

ETONIAH CREEK STATE FOREST

LAND MANAGEMENT PLAN

APRIL 2015

EXHIBITS

Exhibit H

Proximity to Significant Managed Lands



Florida Forest Service

Etoniah Creek State Forest

Managed Areas

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

DISCLAIMER:
This map was created by the Florida Forest Service
and is not intended to be used for any purpose other than
informational. It is not a legal document and should not be
used to make any legal decisions. The Florida Forest Service
does not warrant the accuracy or completeness of the
information on this map.

Managed Area boundaries courtesy of
the Florida Natural Areas Inventory
Boundary data derived from GIS data from the
US Army Corps of Engineers

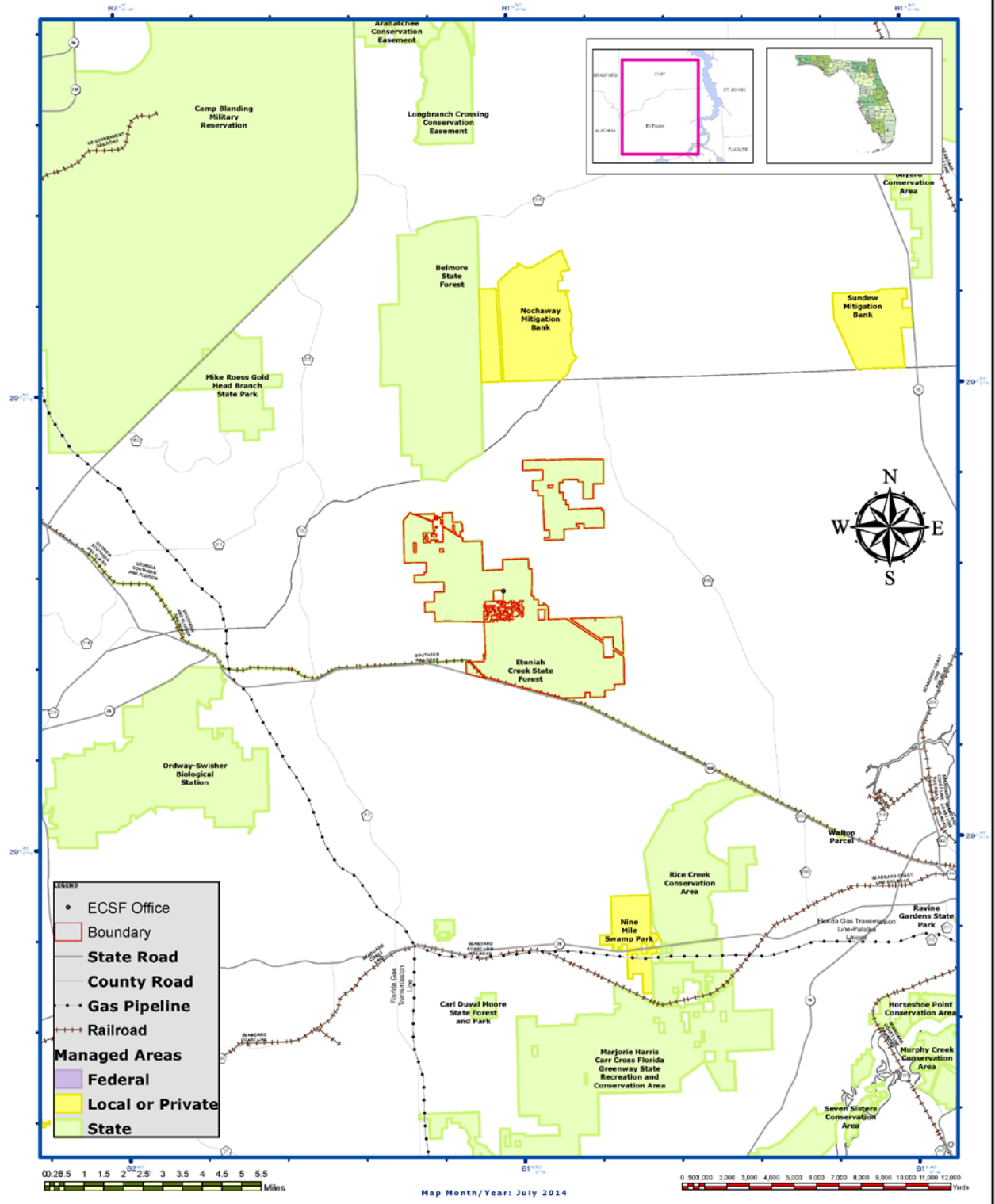


Exhibit I

Florida Forever Projects at ECSF



Florida Forest Service

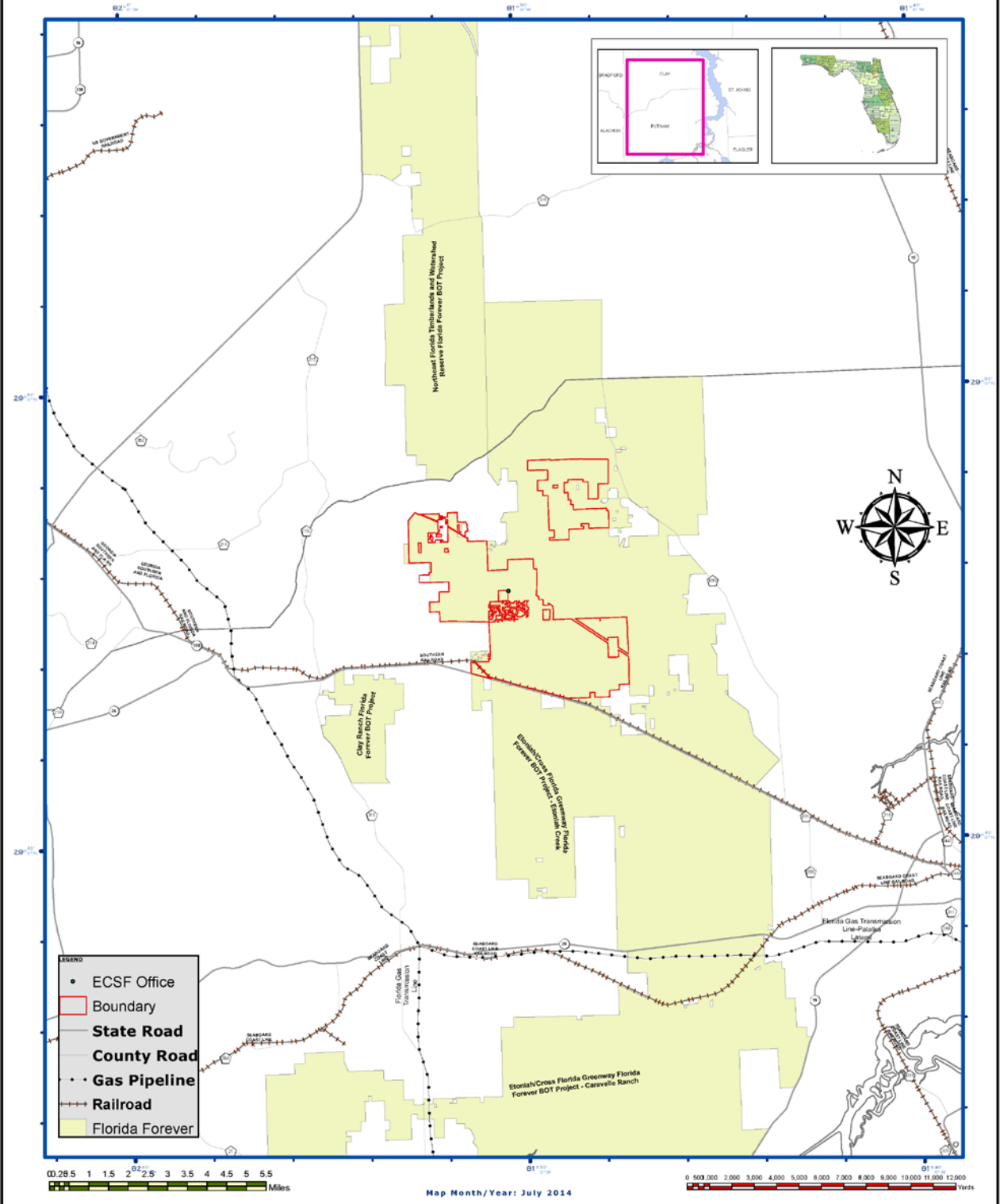
Coordinate System: Florida Albers
High Accuracy Reference Network (HARN) Datum

Etoniah Creek State Forest

Florida Forever Projects

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



Clay Ranch

Putnam County

Less-Than-Fee

Purpose for State Acquisition

Acquisition of a conservation easement over Clay Ranch would contribute to the goal of eventually attaining connections among the conservation lands in the region to create landscape-scale protection of the xeric uplands and associated wetlands characteristic of the Trail Ridge. It could also help to preserve and protect the healthy aquatic biota in lower reaches of Etoniah Creek.

Manager/Monitor

The property will continue to be managed by the landowner with restrictions imposed by a negotiated conservation easement. The Department of Environmental Protection's Office of Environmental Services (OES) will be responsible for monitoring compliance with the terms and conditions of the easement, unless otherwise noted.

General Description

Clay Ranch, approximately 2,380 acres in northwestern Putnam County, consists of a mix of forested uplands, scattered depression marshes and sandhill upland lakes, and areas - both uplands and wetlands - that have been converted to pasture and/or sod farm. Some remnant sandhill remains in the western half, although a large portion of the forested area has developed into xeric/mesic hammock. Clay Ranch is situated on the southeastern portion of Trail Ridge, a physiographic province dominated by rolling sandhills and dotted with sandhill upland lakes.

The tract has the characteristics needed to harbor imperiled species, and some imperiled species are

documented to occur there. The sandhill upland lakes and marsh natural communities that occur on the tract are mostly intact and fulfilling their natural function. Although much of the uplands are in commercial uses including sod farming, cattle grazing, hay production and silviculture, the majority is in a semi-natural condition and has good potential, with the reintroduction of fire, for providing quality habitat for many imperiled species in the future.

The proximity to other conservation lands in this region embellish the less-than-fee acquisition proposal. An added benefit is the potential to connect a corridor for the Florida black bear and provide a large tract of conservation land for watershed and wildlife protection. However, even with this acquisition, other tracts would need to be protected for the corridor to be complete. If a conservation easement were acquired on this site, perhaps other private landowners within the corridor would also consider their tracts for public acquisition.

Public Use

Since the Clay Ranch is being offered as a less-than-fee acquisition, public access is not being contemplated at this time. During the negotiations with the Clay family, some limited access for research or education may be possible to acquire.

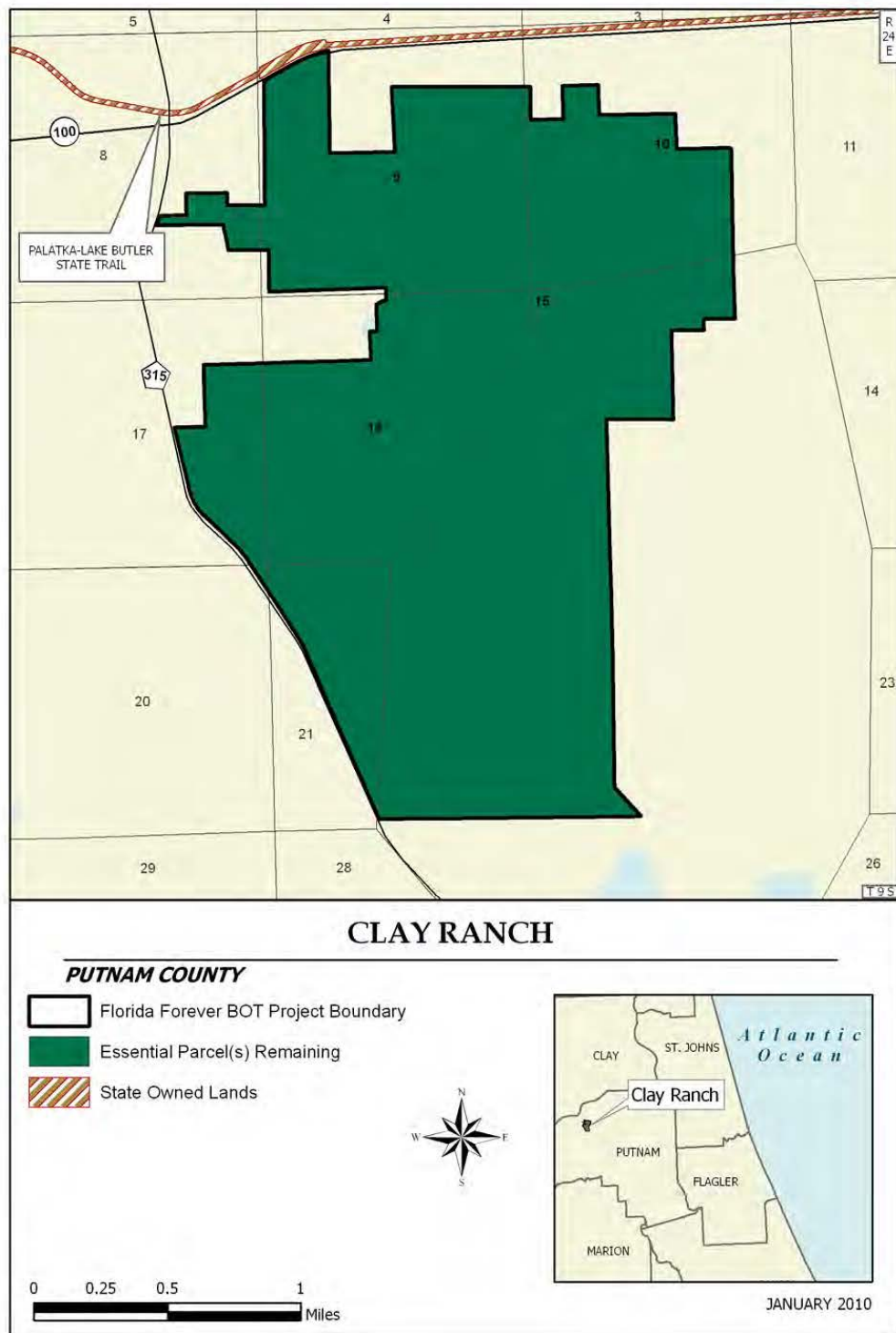
Acquisition Planning

On 6/9/2006, the Acquisition and Restoration Council (ARC) added the Clay Ranch project to Group A of the August 2006 Florida Forever Priority list. This less-than-fee acquisition, sponsored by The Nature Conservancy (TNC) and the Alachua Conservation

Clay Ranch FNAI Elements	
Florida Black Bear	G5T2/S2
Gopher Tortoise	G3/S3
Southeastern American Kestrel	G5T4/S3
3 rare species are associated with the project	

Placed on List	2006
Project Area (GIS acres)	2,460
Acres Acquired (GIS)	0
at a cost of	0
Acres Remaining (GIS)	2,460
with Estimated (Tax Assessed) Value of	\$1,634,125

Clay Ranch



Trust, consists of one landowner, the Clay Family, ±2,380 acres and a 2005 taxable value of \$1,634,125.

Coordination

No acquisition partnerships have been suggested at this time.

Management Policy Statement

As a conservation or less-than-fee interest, the project will be managed by the private landowner with restrictions. The purchase of the development rights, the prohibition of further conversion of existing natural areas and open space to more intensive uses, and limited public access will likely be the primary focus of the conservation easement.

Management Prospectus

Qualifications for state designation Protection of Clay Ranch would contribute to the goal of eventually attaining connections among the conservation lands in the region to create landscape-scale protection of the xeric uplands and associated wetlands characteristic of the Trail Ridge, as well as agricultural open space. TNC indicates that efforts are being made to secure some of this area that could provide a direct connection between Clay Ranch and Ordway-Swisher Preserve. Katharine

Ordway Preserve and Carl M. Swisher Memorial Nature Preserve (contiguous properties and both managed by the University of Florida) lay approximately 1.5 and 2.75 miles, respectively, west of the western boundary of Clay Ranch. The former Conservation and Recreation Lands (CARL) project, Putnam County Sandhills, abuts Ordway-Swisher Preserve on its eastern boundary and approaches to within approximately one mile of Clay Ranch. Etoniah Creek State Forest is located 1.75 miles northeast of the site. Camp Blanding Military Reservation, Mike Roess Gold Head Branch State Park, and Belmore State Forest are within 6 to 10 miles to the north and northwest of Clay Ranch.

Manager/Monitor The property will continue to be managed by the landowner with restrictions imposed by a negotiated conservation easement. OES will be responsible for monitoring compliance with the terms and conditions of the easement, unless otherwise noted. **Conditions affecting intensity of management** The acquisition of the Clay Ranch could help to preserve and protect the healthy aquatic biota in lower reaches of Etoniah Creek. While the natural communities on Clay Ranch are in need of restoration, the site still exhibits a nice transition from higher xeric uplands in the west to more mesic conditions to the east.

Updated 2/23/2012

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

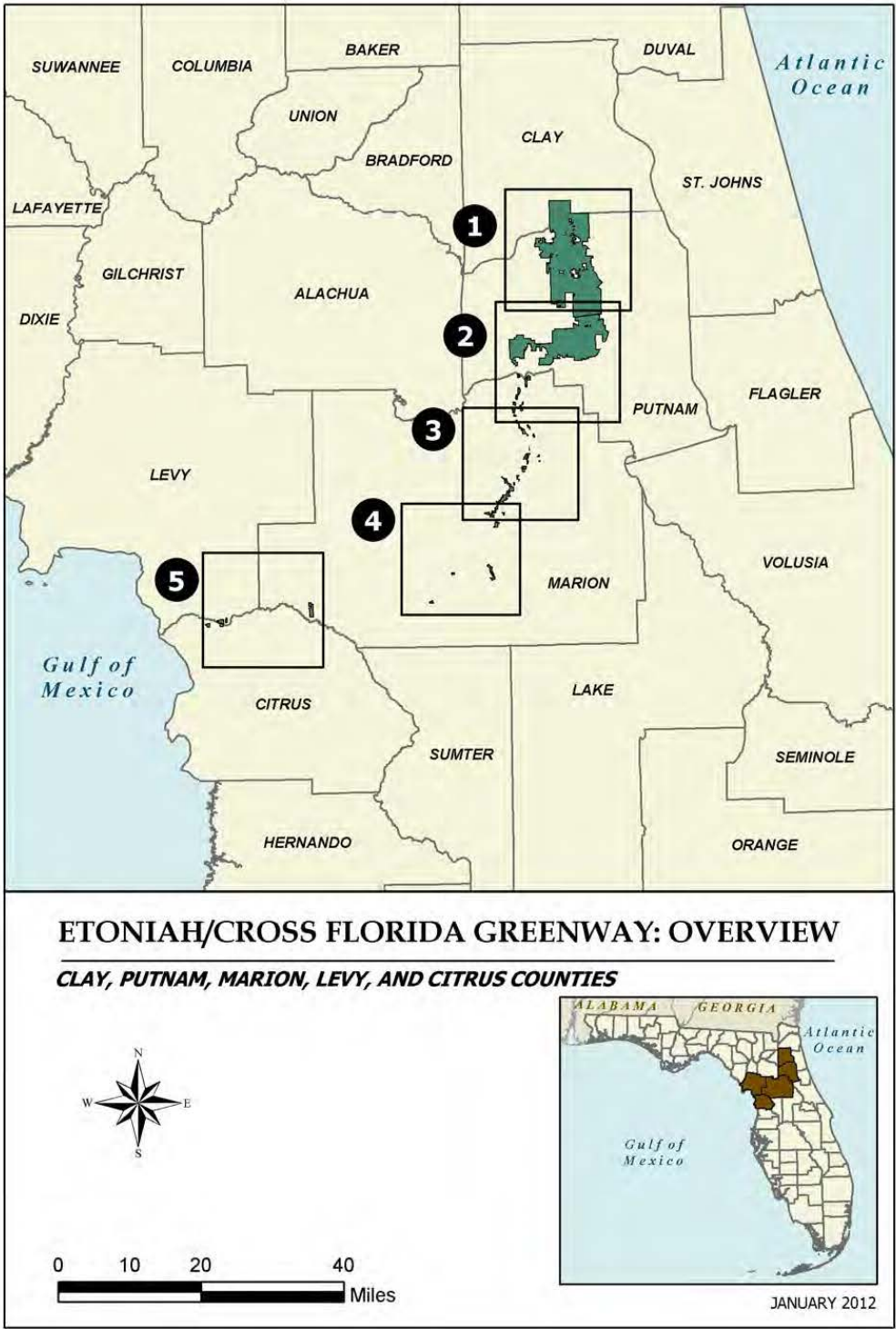
The Cross Florida Greenway connectors will form part of a conservation and recreation area; the majority of

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	

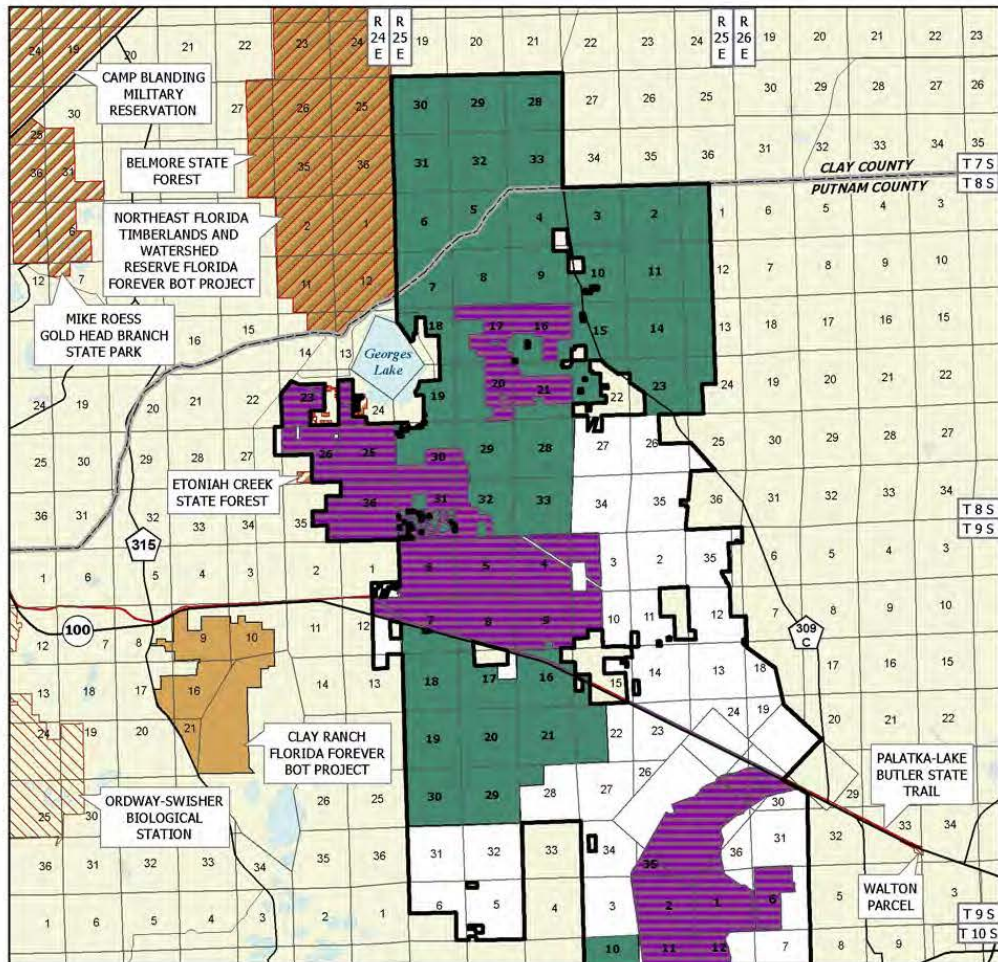
Placed on List	1995*
Project Area (GIS Acres)	93,259
Acres Acquired (GIS)	26,957**
at a Cost of	\$20,773,131**
Acres Remaining (GIS)	66,302
with Estimated (Tax Assessed) Value of	\$170,079,702

* 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

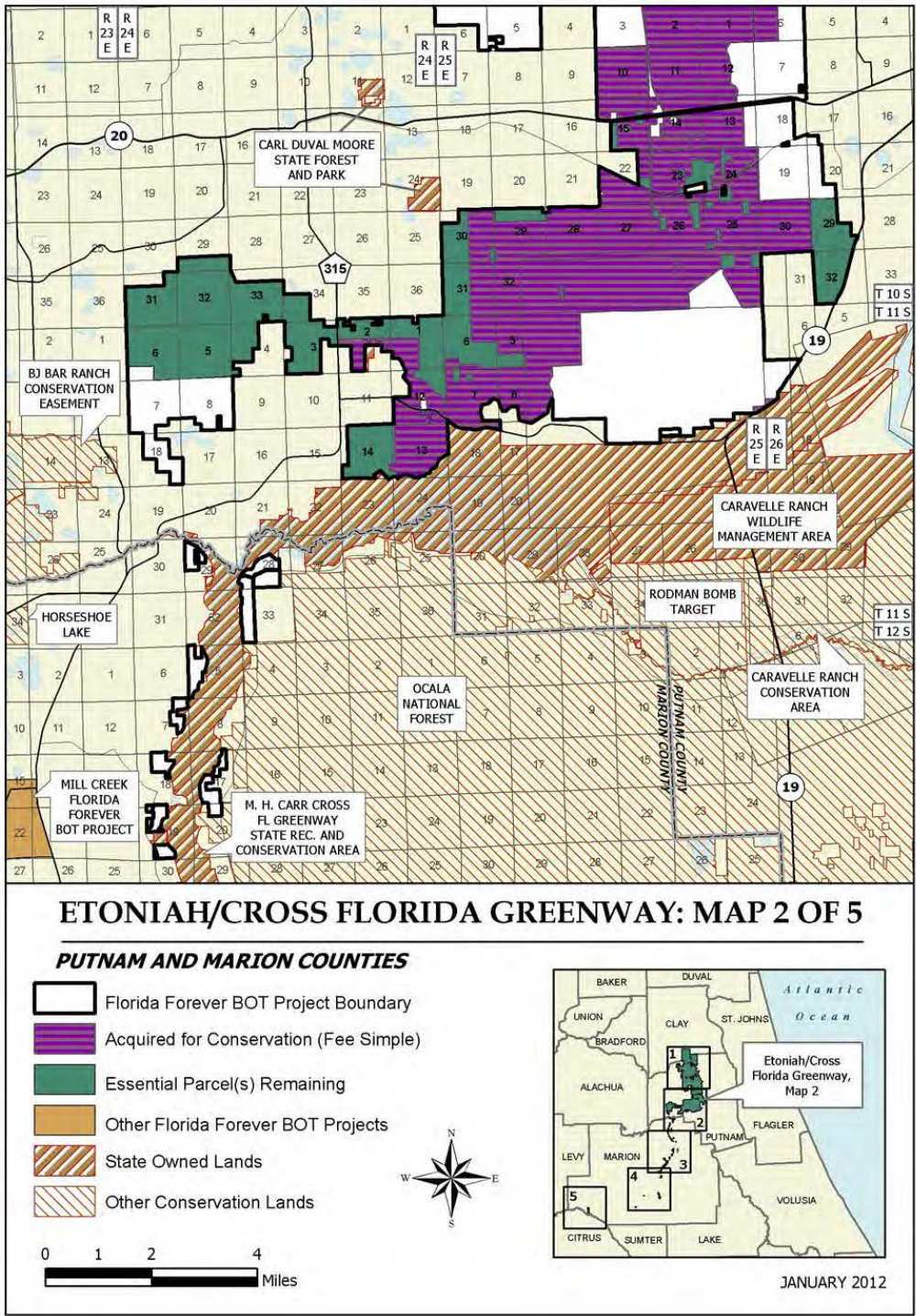
CLAY AND PUTNAM COUNTIES

- 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



Northeast Florida Timberlands and Watershed Reserve

Duval, Nassau and Clay Counties

Partnerships

Purpose for State Acquisition

Public acquisition of this project will contribute to the following Florida Forever goals: (1) Increase the protection of Florida's biodiversity at the species, natural community, and landscape levels – known to harbor four FNAI-listed species of vascular flora and four rare animals; (2) Increase the amount of open space available in urban areas – conserve spaces suitable for greenways or outdoor recreation that are compatible with conservation purposes; (3) Increase natural resource-based public recreation and educational opportunities – camping, picnicking, nature appreciation, hiking, and horseback riding are possible; and (4) Protect, restore, and maintain the quality and natural functions of land, water, and wetland systems of the state – 75-80% of land is disturbed with restoration a primary objective.

Manager

Florida Forest Service/FFS (aka Division of Forestry/DOF) of the Florida Department of Agriculture and Consumer Services. The City of Jacksonville is manager for the 172-acre Jacksonville-Baldwin Rail Trail.

General Description

This project describes a northeast-southwest diagonal along the west side of Duval County, stretching from the Nassau River north of Jacksonville to Trail Ridge in Clay County, near the town of Lawtey. Another section

of the project makes a north-south connection about 12 miles long, between the Camp Blanding Military Reservation and the Etoniah Creek State Forest. About 75 percent of this land is used, or has been used, for silviculture. It also includes mesic flatwoods, cypress and hardwood swamp, sandhills and associated plant communities.

Public Use

The DOF will promote recreation and environmental education in the natural environment. There is a possibility of an intermediate and long-term need for some type of developed recreation facilities. If such facilities are developed, the use of low-impact, rustic facilities will be stressed. If an organized recreation area is desired, it will be assessed and evaluated to minimize any possible adverse effects on the natural environment. Unnecessary roads, firelines and hydrological disturbances will be abandoned and/or restored to the greatest extent practical.

Acquisition Planning

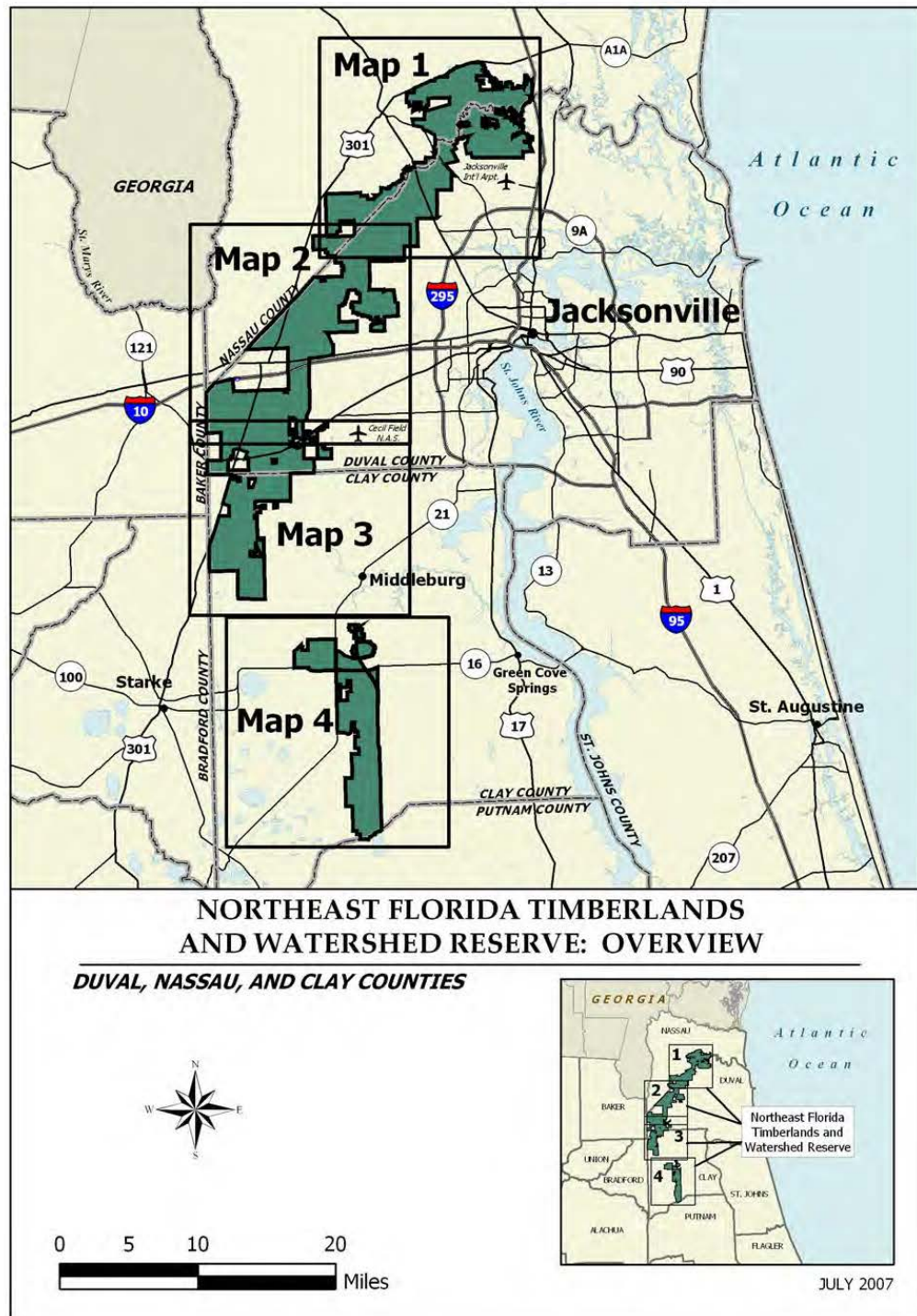
On 12/6/2001, the Acquisition & Restoration Council (ARC) recommended the Northeast Florida Timberlands and Watershed Reserve project for Group A of the Florida Forever (FF) 2002 Priority list. This fee-simple and less-than-fee acquisition, located in Clay, Duval and Nassau Counties, and sponsored by The Nature Conservancy (TNC), the City of Jacksonville and St. Johns River Water Management District (SJR-WMD), consisted of approximately 132,450 acres, more than 150 landowners, and a 2001 taxable value of \$50,158,195.

Northeast Florida Timberlands and Watershed Reserve FNAI Elements	
Frosted Flatwoods Salamander	G2/S2
Florida Black Bear	G5T2/S2
Gopher Tortoise	G3/S3
Eastern Indigo Snake	G3/S3
<i>Hartwrightia</i>	G2/S2
<i>Giant Orchid</i>	G2G3/S2
<i>Thorne's Beaksedge</i>	G3/S1S2
<i>Bartram's Ixia</i>	G2G3/S2S3
<i>Pondspice</i>	G3/S2
<i>St. John's Blackeyed Susan</i>	G3/S2
<i>Yellow Sunnysbell</i>	G4/S2
Sherman's Fox Squirrel	G5T3/S3
15 rare species are associated with the project	

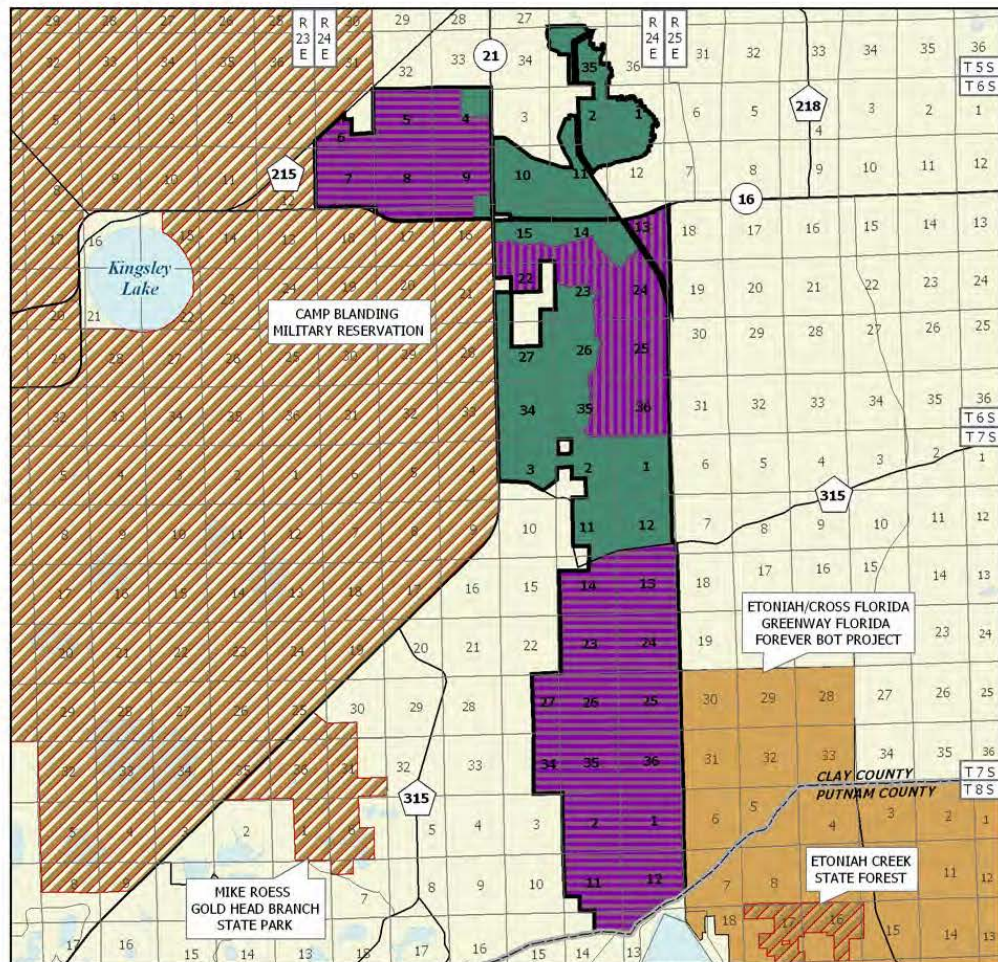
Placed on List	2002
Project Area (GIS Acres)	146,450
Acres Acquired (GIS)	58,969*
At a Cost of	\$141,087,558*
Acres Remaining (GIS)	87,481
With Estimated (tax assessed) Value of	\$30,699,048

*Includes acreage and expenditures by the City of Jacksonville, JEA and SJRWMD.

Northeast Florida Timberlands and Watershed Reserve



Northeast Florida Timberlands and Watershed Reserve



NORTHEAST FLORIDA TIMBERLANDS AND WATERSHED RESERVE: MAP 4 OF 4

CLAY COUNTY

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

0 1 2 4
Miles



SEPTEMBER 2009

Northeast Florida Timberlands and Watershed Reserve

The following 37 ownerships were identified as essential: Gilman, Jackson, Carter, Owen, Nemours, Miller, Bostiwick, Klieg, Bullock, 1st Bank & Trust, Rayonier, International Paper, Motes, Boyd, South Regional Industrial Realty, East Fiftone Partners, Monticello Drugs, St. Joe, Barnett Bank Trustee, Anheuser-Busch, Inc., Travelers Ins., Foster, Tison, Castleton, Wright, Buck, Logan, Higgenbotham, Betz, Ogilvie, Milne, Kaleel & Roberts, Grey, Sythe, Pharr, Wilkinson, and Helmer.

On 6/6/2003, the ARC approved a 506-acre addition, known as the Norfolk Southern property, to the project boundary in Duval County. The fee-simple acquisition, sponsored by TNC, consisted of a single owner, Southern Region Industrial Realty Inc., and had a 2002 taxable value of \$408,700. On 12/5/2003, the ARC approved a 7,043-acre addition, known as the Four Creeks Forest tract, to the project boundary in Nassau County. The fee-simple acquisition, sponsored by the SJRWMD, consisted of one landowner, Rayonier Timberlands Operating Co. LP, and a 2002 taxable value of \$1,478,838.

On 12/3/2004, the ARC approved a 3,500-acre addition, known as the Bull Creek tract, to the project boundary in Clay County. The fee-simple acquisition, sponsored by the SJRWMD, consisted of one landowner, Ventura LLC, and a taxable value of \$760,646.

On 6/30/2006, the Board of Trustees purchased 1,651 acres within the Florida Forever project boundary.

On 2/16/2007, the ARC approved a fee-simple, 2,665-acre addition to the Bull Creek portion of the project boundary. It was sponsored by the SJRWMD, consisted of one landowner, 1621 Venture II LLC, nine parcels, and a taxable value of \$445,189. The FFS will manage these essential parcels.

On 11/5/2010 DSL purchased 15 acres (Rayonier Forest Resources, L.P.--\$18,108 with FF funds) for FFS to manage. On 4/25/2011, 3.95 acres in Four Creeks State Forest/Pacett) were donated (valued \$2,925). FFS to manage.

Coordination

In 1992 the 172-acre Jacksonville-Baldwin Rail Trail was acquired with Florida Greenways & Trails funds. This trail which meanders through the project is managed by the City of Jacksonville. The SJRWMD is an acquisition partner in areas of the

project to help protect the multiple creeks and rivers. The National Guard Bureau through a Memorandum of Agreement (MOA) is an acquisition partner in areas of the project to help buffer and prevent encroachment of Camp Blanding. TNC, City of Jacksonville, Duval County, FCT, and the U.S. Navy are considered partners in this project.

Management Policy Statement

The FFS proposes to manage the project under a multiple-use management regime consistent with the FFS management of the Cary State Forest, the Jennings State Forest and the Cecil Field Conservation Corridor, all of which are adjacent to this project. The acquisition goals and objectives as approved by ARC would include timber management and restoration, low-impact diverse recreation uses, and management of archaeological and historic sites, habitat and other biological resources.

Management Prospectus

Qualifications for state designation The project's size and diversity makes it desirable for use and management as a state forest. Management by the FFS as a state forest is contingent on acquiring fee-simple title to the core parcels adjacent to the existing state forests and to approximately 60 percent of the project. **Manager** FFS is recommended to be the lead managing agency.

Conditions affecting intensity of management

Much of the parcel has been disturbed by past pine plantings and will require restoration work. This area of Florida is experiencing rapid urban growth, so that any prescribed burning to restore the forest will have to be carefully planned. The level of management and the related management costs are expected to initially be high to obtain necessary information to restore and manage portions as a state forest. It is recognized that a portion of the project will be less-than-fee simple. This technique is valuable on the fringes of urban growth because it allows the landowners to manage the property as they have been managing it, and continuing to produce forest products for Florida's economy, while protecting the property from conversion to urban growth.

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

Once the core areas of the project are acquired and assigned to the FFS, initial public access will be provided for diverse, low-intensity outdoor recreation activities. Initial and intermediate management efforts will concentrate on site security, public and resource management access, prescribed

Northeast Florida Timberlands and Watershed Reserve

burns, reforestation, and restoration activity.

Revenue-generating potential Timber sales will be conducted as needed to improve or to maintain the desirable ecosystem conditions. These sales will primarily take place in the marketable pine stands and will provide a variable source of revenue, depending on a variety of factors. The existing condition of the timber stands on the property is such that the revenue-generating potential is expected to be moderate. Other compatible state forest sources of income will be considered.

Cooperators in management activities The FFS will cooperate with, and seek the assistance of, other state agencies, local government agencies, other interested parties as appropriate, and with the Florida Natural Areas Inventory (FNAI). The Division intends to coordinate with the Florida Fish and Wildlife Conservation Commission (FWC) regarding game and non-game management activity and related public use of the property.

Management costs and sources of revenue It is anticipated that management funding will come from the Conservation and Recreation Lands Trust Fund. Budget needs for interim management are estimated

as follows:

Management Cost Summary/FWC (including salaries for 4 full-time employees)

Salary (4 FTEs)	\$154,357
Expense	\$620,000
Operating Capital Outlay	\$148,075
TOTAL	\$887,007

Updated 2/29/2012

Exhibit J

Department of State Report on Archeological Sites and
Historical Sites

This record search is for informational purposes only and does NOT constitute a project review. This search only identifies resources recorded at the Florida Master Site File and does NOT provide project approval from the Division of Historical Resources. Contact the Compliance and Review Section of the Division of Historical Resources at 850-245-6333 for project review information.

July 1, 2014

Jennifer Reed
Florida Forestry Service
3125 Conner Boulevard Tallahassee, FL 32399
Phone: 850-681-5828
Email: Jennifer.reed@freshfromflorida.com



In response to your inquiry of July 1, 2014 the Florida Master Site File lists eleven previously recorded archaeological sites, one resource group, one historic cemetery and one standing structure found within the **Etoniah Creek State Forest** located in Putnam County.

When interpreting the results of our search, please consider the following information:

- This search area may contain *unrecorded* archaeological sites, historical structures or other resources even if previously surveyed for cultural resources.
- Because vandalism and looting are common at Florida sites, we ask that you limit the distribution of location information on archaeological sites.
- While many of our records document historically significant resources, the documentation of a resource at the Florida Master Site File does not necessarily mean the resource is historically significant.
- Federal, state and local laws require formal environmental review for most projects. This search **DOES NOT** constitute such a review. If your project falls under these laws, you should contact the Compliance and Review Section of the Division of Historical Resources at 850-245-6333.

Please do not hesitate to contact us if you have any questions regarding the results of this search.

Sincerely,

A handwritten signature in cursive script that reads "Mary G. Berman".

Mary Berman
Archaeological Analyst
Florida Master Site File
mary.berman@dos.state.fl.us

OBJECTID	SiteID	SiteName	SiteType1	SiteType2	Culture1	Culture2
25510	PU00685	Seasonal Habitat	Artifact scatter-low density (< 2 per sq meter)		Prehistoric	
25511	PU00686	Seasonal Habitat near Live Oak	Artifact scatter-low density (< 2 per sq meter)		Prehistoric	
25520	PU00766	Georges Lake Parking Area			Historic	
25584	PU01238	Holloway Homestead	Homestead		Nineteenth century American, 1821-1899	Twentieth century American, 1900-present
25585	PU01241	Still Pond Turpentine Camp	Lithic scatter/quarry (prehistoric: no ceramics)	Turpentine camp	Twentieth century American, 1900-present	Middle Archaic
25586	PU01242	Quail Road	Homestead	Historic refuse / Dump	Twentieth century American, 1900-present	
25587	PU01243	Blueberry Scrub	Artifact scatter-low density (< 2 per sq meter)		Prehistoric with pottery	
25588	PU01244	Buzzy	Homestead	Historic refuse / Dump	Twentieth century American, 1900-present	
25589	PU01245	Holloway Road Cattle Trough	Other		Twentieth century American, 1900-present	
25590	PU01246	Manning Southeast	Habitation (prehistoric)	Artifact scatter-low density (< 2 per sq meter)	Cades Pond, 300 B.C.-A.D. 800	
25668	PU01483	Kennard Shine Runner	Other		Twentieth century American, 1900-present	
			CemType1	YearEstab	EthnicGrp1	EthnicGrp2
919	PU01239	Mt. Hebron Cemetery	Community	c1900	Unknown	White, Non-Hispanic
			RgType	TimeSig1	TimeSig2	TimeSig3
1751	PU01411	Georgia Southern + Florida Railroad	Linear Resource	Nineteenth century American, 1821-1899	Twentieth century American, 1900-present	c.1890-c.1950
			StrucSys1	YearBuilt	Style	Destroyed
131231	PU01240	Manning Turpentine Shack	Light wood frame	c1950	Frame Vernacular	NO

SurvEval	SurveyNum	ShpoEval	PlotType			
Not Evaluated by Recorder	0	Not Evaluated by SHPO	NORM			
Not Evaluated by Recorder	0	Not Evaluated by SHPO	NORM			
Not Evaluated by Recorder		Not Evaluated by SHPO	NORM			
Ineligible for NRHP	5676	Not Evaluated by SHPO	NORM			
Insufficient Information	5676	Not Evaluated by SHPO	NORM			
Insufficient Information	5676	Not Evaluated by SHPO	NORM			
Insufficient Information	5676	Not Evaluated by SHPO	NORM			
Ineligible for NRHP	5676	Not Evaluated by SHPO	NORM			
Insufficient Information	5676	Not Evaluated by SHPO	NORM			
Not Evaluated by Recorder						
Condition				Status		
Poorly maintained	5676	Not Evaluated by SHPO	NORM	Maintained But Not Used		
Evaluation			NRCategory	HistAssc1	Narrative	
The integrity of 8PU1411 has been severely compromised with the removal of the cross-ties, rails, and tie plates in the 1990s.	18015	Ineligible for NRHP	STRU	Transportation	The GS&F railroad has an elevated gravel railroad bed measuring approximately 16ft across with ditches approximately 16ft wide on either side of the bed. Nonhistoric alterations include the removal of cross-ties, rails and tie plates.	
SurvEval			ExtPlan	ExtFabric1 / ExtFabric2 / ExtFabric3	StrucUse1	SurvDist
Ineligible for NRHP	5676	Not Evaluated by SHPO	Square	Metal / Horizontal plank / Wood shingles	Private residence	Ineligible as contributor to NR district

Exhibit K

Management Procedures for Archaeological and Historical Sites and Properties

Management Procedures for Archaeological and Historical Sites and Properties on State-Owned or Controlled Properties
(revised March 2013)

These procedures apply to state agencies, local governments, and non-profits that manage state-owned properties.

A. General Discussion

Historic resources are both archaeological sites and historic structures. Per Chapter 267, Florida Statutes, *'Historic property' or 'historic resource' means any prehistoric district, site, building, object, or other real or personal property of historical, architectural, or archaeological value, and folklife resources. These properties or resources may include, but are not limited to, monuments, memorials, Indian habitations, ceremonial sites, abandoned settlements, sunken or abandoned ships, engineering works, treasure trove, artifacts, or other objects with intrinsic historical or archaeological value, or any part thereof, relating to the history, government, and culture of the state.'*

B. Agency Responsibilities

Per State Policy relative to historic properties, state agencies of the executive branch must allow the Division of Historical Resources (Division) the opportunity to comment on any undertakings, whether these undertakings directly involve the state agency, i.e., land management responsibilities, or the state agency has indirect jurisdiction, i.e. permitting authority, grants, etc. No state funds should be expended on the undertaking until the Division has the opportunity to review and comment on the project, permit, grant, etc.

State agencies shall preserve the historic resources which are owned or controlled by the agency.

Regarding proposed demolition or substantial alterations of historic properties, consultation with the Division must occur, and alternatives to demolition must be considered.

State agencies must consult with Division to establish a program to location, inventory and evaluate all historic properties under ownership or controlled by the agency.

C. Statutory Authority

Statutory Authority and more in depth information can be found at:
<http://www.flheritage.com/preservation/compliance/guidelines.cfm>

D. Management Implementation

Even though the Division sits on the Acquisition and Restoration Council and approves land management plans, these plans are conceptual. Specific information regarding individual projects must be submitted to the Division for review and recommendations.

Managers of state lands must coordinate any land clearing or ground disturbing activities with the Division to allow for review and comment on the proposed project. Recommendations may include, but are not limited to: approval of the project as submitted, cultural resource assessment survey by a qualified professional archaeologist, modifications to the proposed project to avoid or mitigate potential adverse effects.

Projects such as additions, exterior alteration, or related new construction regarding historic structures must also be submitted to the Division of Historical Resources for review and comment by the Division's architects. Projects involving structures fifty years of age or older, must be submitted to this agency for a significance determination. In rare cases, structures under fifty years of age may be deemed historically significant. These must be evaluated on a case by case basis.

Adverse impacts to significant sites, either archaeological sites or historic buildings, must be avoided. Furthermore, managers of state property should make preparations for locating and evaluating historic resources, both archaeological sites and historic structures.

E. Minimum Review Documentation Requirements

In order to have a proposed project reviewed by the Division, certain information must be submitted for comments and recommendations. The minimum review documentation requirements can be found at:
http://www.flheritage.com/preservation/compliance/docs/minimum_review_documentation_requirements.pdf.

* * *

Questions relating to the treatment of archaeological and historic resources on state lands should be directed to:

Deena S. Woodward
Division of Historical Resources
Bureau of Historic Preservation
Compliance and Review Section
R. A. Gray Building
500 South Bronough Street
Tallahassee, FL 32399-0250

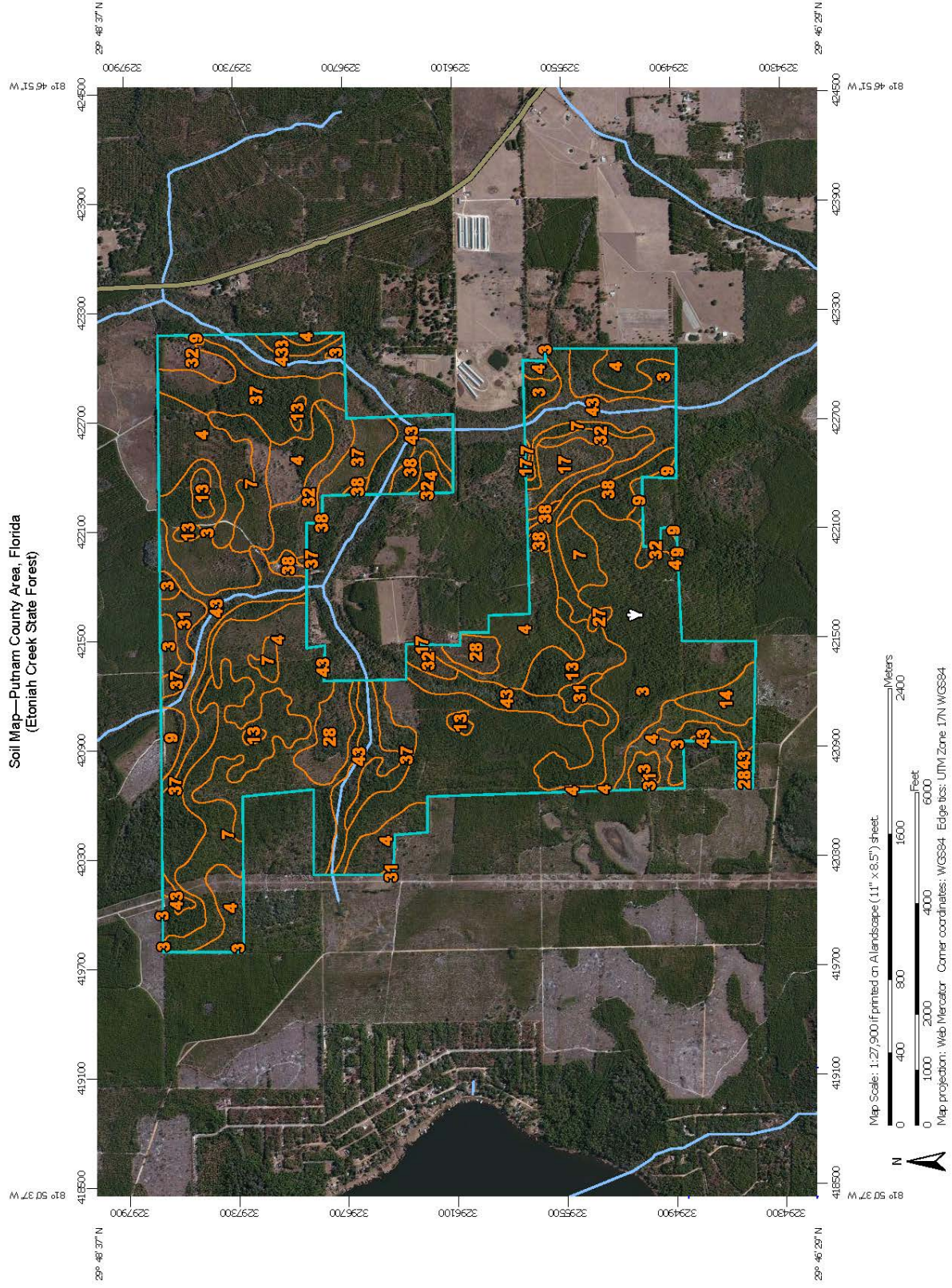
Phone: (850) 245-6425

Toll Free: (800) 847-7278

Fax: (850) 245-6435

Exhibit L

Soil Maps and Descriptions



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Soft Spot

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

Special Line Features

Spoil Area

Stony Spot

Very Stony Spot

Wet Spot

Other

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800. Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Putnam County Area, Florida
Survey Area Data: Version 9, Dec 7, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 8, 2010—Mar 15, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Putnam County Area, Florida (FL107)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Myakka fine sand	389.7	25.1%
4	Zolfo fine sand	333.8	21.5%
7	Immokalee fine sand	147.1	9.5%
9	Pomona fine sand	15.5	1.0%
13	St. Johns fine sand, depressional	47.1	3.0%
14	Cassia fine sand	18.2	1.2%
17	Millhopper sand, 0 to 5 percent slopes	20.3	1.3%
27	Samsula muck	2.5	0.2%
28	Centenary fine sand	39.4	2.5%
31	Myakka fine sand, depressional	39.9	2.6%
32	Sparr sand, 0 to 5 percent slopes	79.4	5.1%
37	Ona fine sand	163.5	10.5%
38	Holopaw fine sand	39.3	2.5%
43	Placid-Pompano association, frequently flooded	219.6	14.1%
Totals for Area of Interest		1,555.5	100.0%

Component Legend

This report presents general information about the map units and map unit components in the selected area. It shows map unit symbols and names and the components in each map unit. It also shows the percent of the components in the map units, the kind of component, and the slope range of each component.

Report—Component Legend

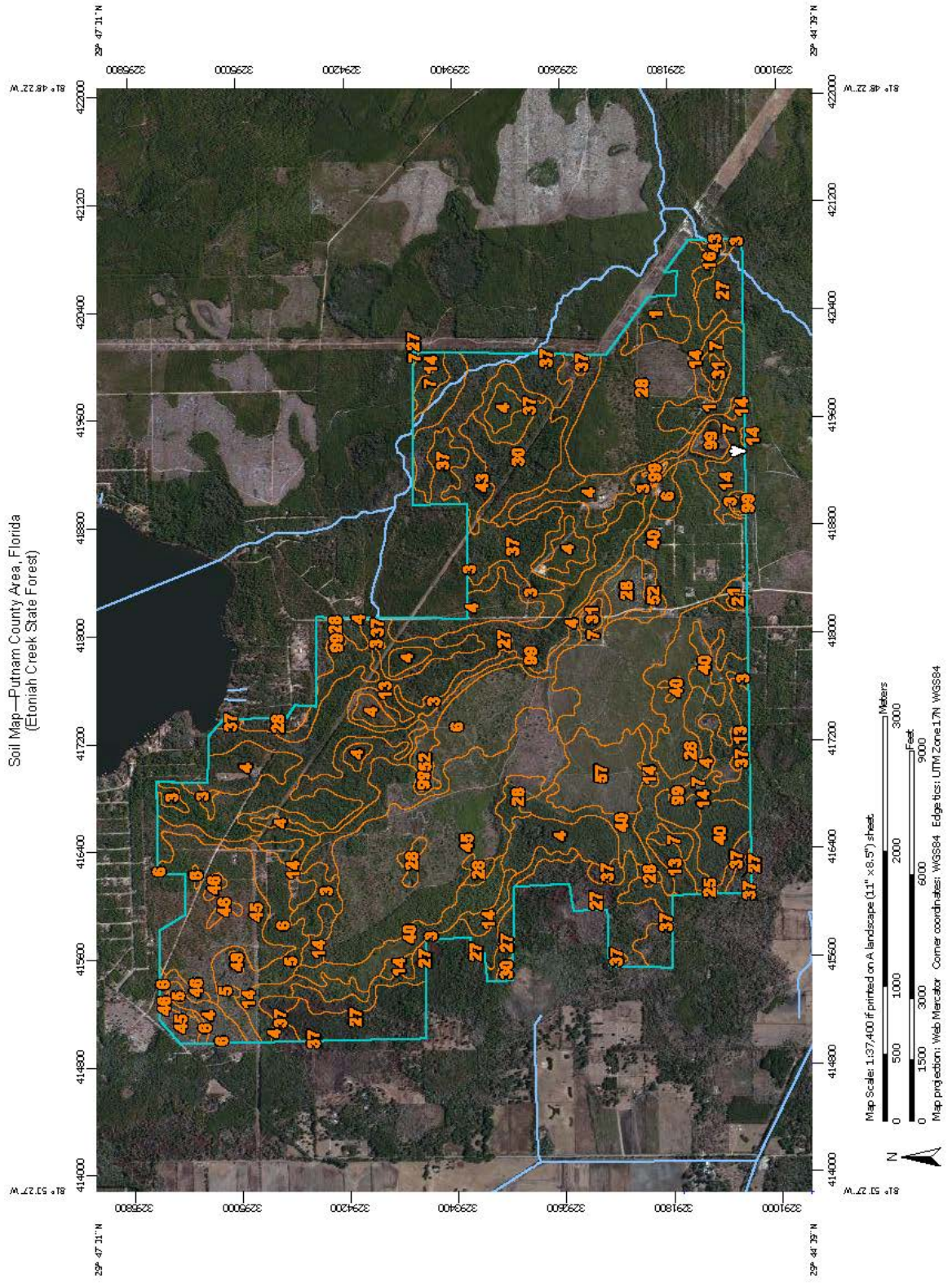
Component Legend—Putnam County Area, Florida							
Map unit symbol and name	Map unit acres	Pct. of map unit	Component name	Component kind	Pct. slope		
					Low	RV	High
3—Myakka fine sand	49,200						
		75	Myakka, non-hydric	Series	0.0	1.0	2.0
		15	Myakka, hydric	Series	0.0	1.0	2.0
		3	Immokalee, non-hydric	Series	0.0	1.0	2.0
		3	Cassia	Series	0.0	1.0	2.0
		2	Placid, depressional	Series	0.0	1.0	2.0
		2	St. Johns, depressional	Series	0.0	1.0	2.0
4—Zolfo fine sand	17,930						
		90	Zolfo	Series	0.0	1.0	2.0
		3	Centenary	Series	0.0	1.0	2.0
		3	Adamsville	Series	0.0	1.0	2.0
		2	Tavares	Series	0.0	3.0	5.0
		2	Narcoossee	Series	0.0	1.0	2.0
7—Immokalee fine sand	8,690						
		75	Immokalee, non-hydric	Series	0.0	1.0	2.0
		10	Immokalee, hydric	Series	0.0	1.0	2.0
		5	Myakka, non-hydric	Series	0.0	1.0	2.0
		5	Cassia	Series	0.0	1.0	2.0
		5	St. Johns, depressional	Series	0.0	1.0	2.0
9—Pomona fine sand	42,500						
		75	Pomona, non-hydric	Series	0.0	1.0	2.0
		10	Pomona, hydric	Series	0.0	1.0	2.0
		5	Pomona, depressional	Series	0.0	1.0	2.0
		4	Myakka, non-hydric	Series	0.0	1.0	2.0
		3	Palmetto, non-hydric	Series	0.0	1.0	2.0
		3	Wauchula, non-hydric	Series	0.0	1.0	2.0

Component Legend--Putnam County Area, Florida							
Map unit symbol and name	Map unit acres	Pct. of map unit	Component name	Component kind	Pct. slope		
					Low	RV	High
13—St. Johns fine sand, depressional	6,790						
		80	St. Johns, depressional	Series	0.0	1.0	2.0
		4	Ona, hydric	Series	0.0	1.0	2.0
		4	Samsula	Series	0.0	0.5	1.0
		4	Placid, depressional	Series	0.0	1.0	2.0
		4	Myakka, depressional	Series	0.0	1.0	2.0
		4	Pomona, depressional	Series	0.0	1.0	2.0
14—Cassia fine sand	6,250						
		80	Cassia	Series	0.0	1.0	2.0
		5	Adamsville	Series	0.0	1.0	2.0
		5	Zolfo	Series	0.0	1.0	2.0
		5	Myakka, non-hydric	Series	0.0	1.0	2.0
		5	Narcoossee	Series	0.0	1.0	2.0
17—Millhopper sand, 0 to 5 percent slopes	7,890						
		85	Millhopper	Series	0.0	3.0	5.0
		4	Sparr	Series	0.0	3.0	5.0
		4	Candler	Series	0.0	3.0	5.0
		4	Apopka	Series	0.0	3.0	5.0
		3	Tavares	Series	0.0	3.0	5.0
27—Samsula muck	16,300						
		80	Samsula	Series	0.0	0.5	1.0
		5	Hontoon	Series	0.0	0.5	1.0
		5	St. Johns, depressional	Series	0.0	1.0	2.0
		5	Tomoka	Series	0.0	0.5	1.0
		5	Placid, depressional	Series	0.0	1.0	2.0
28—Centenary fine sand	10,750						
		80	Centenary	Series	0.0	1.0	2.0
		4	Deland	Series	0.0	4.0	8.0
		4	Adamsville	Series	0.0	1.0	2.0
		3	Ona, non-hydric	Series	0.0	1.0	2.0
		3	Florahome	Series	0.0	1.5	3.0
		3	Tavares	Series	0.0	3.0	5.0
		3	Zolfo	Series	0.0	1.0	2.0

Component Legend--Putnam County Area, Florida							
Map unit symbol and name	Map unit acres	Pct. of map unit	Component name	Component kind	Pct. slope		
					Low	RV	High
31—Myakka fine sand, depressional	2,390						
		90	Myakka, depressional	Series	0.0	1.0	2.0
		4	Placid, depressional	Series	0.0	1.0	2.0
		3	St. Johns, depressional	Series	0.0	1.0	2.0
		3	Pomona, depressional	Series	0.0	1.0	2.0
32—Sparr sand, 0 to 5 percent slopes	6,180						
		90	Sparr	Series	0.0	3.0	5.0
		4	Adamsville	Series	0.0	1.0	2.0
		3	Millhopper	Series	0.0	3.0	5.0
		3	Lochloosa	Series	0.0	3.0	5.0
37—Ona fine sand	8,600						
		80	Ona, non-hydric	Series	0.0	1.0	2.0
		10	Ona, hydric	Series	0.0	1.0	2.0
		4	Myakka, non-hydric	Series	0.0	1.0	2.0
		3	St. Johns, depressional	Series	0.0	1.0	2.0
		3	Placid, depressional	Series	0.0	1.0	2.0
38—Holopaw fine sand	6,120						
		65	Holopaw, non-hydric	Series	0.0	1.0	2.0
		15	Holopaw, hydric	Series	0.0	1.0	2.0
		5	Palmetto, non-hydric	Series	0.0	1.0	2.0
		5	Malabar, non-hydric	Series	0.0	1.0	2.0
		5	Pompano, non-hydric	Series	0.0	1.0	2.0
		5	Sparr	Series	0.0	3.0	5.0
43—Placid-Pompano association, frequently flooded	15,600						
		55	Placid	Series	0.0	1.0	2.0
		30	Pompano	Series	0.0	1.0	3.0
		15	Samsula	Series	0.0	0.5	1.0

Data Source Information

Soil Survey Area: Putnam County Area, Florida
 Survey Area Data: Version 9, Dec 7, 2013



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Soft Spot

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

Special Line Features

Spoil Area

Stony Spot

Very Stony Spot

Wet Spot

Other

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800. Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

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Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

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Map Unit Legend

Putnam County Area, Florida (FL107)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1	Candler fine sand, 0 to 5 percent slopes	74.2	1.9%
2	Candler fine sand, 5 to 8 percent slopes	3.9	0.1%
3	Myakka fine sand	390.8	10.1%
4	Zolfo fine sand	417.2	10.7%
5	Placid fine sand, depressional	3.4	0.1%
6	Tavares fine sand, 0 to 5 percent slopes	281.7	7.3%
7	Immokalee fine sand	65.7	1.7%
13	St. Johns fine sand, depressional	339.1	8.7%
14	Cassia fine sand	166.2	4.3%
16	Adamsville sand, 0 to 2 percent slopes	11.7	0.3%
25	Narcoossee fine sand	2.2	0.1%
27	Samsula muck	208.9	5.4%
28	Centenary fine sand	403.9	10.4%
30	Hontoon muck	83.3	2.1%
31	Myakka fine sand, depressional	11.1	0.3%
37	Ona fine sand	227.8	5.9%
40	Paola fine sand, 0 to 8 percent slopes	438.9	11.3%
43	Placid-Pompano association, frequently flooded	104.3	2.7%
45	Astatula fine sand, 0 to 8 percent slopes	492.3	12.7%
46	Astatula fine sand, 8 to 15 percent slopes	19.6	0.5%
48	Florahome sand	2.4	0.1%
52	Orsino fine sand, 0 to 8 percent slopes	28.4	0.7%
57	Deland fine sand, 0 to 8 percent slopes	82.0	2.1%
99	Water	24.7	0.6%
Totals for Area of Interest		3,883.9	100.0%

Component Legend

This report presents general information about the map units and map unit components in the selected area. It shows map unit symbols and names and the components in each map unit. It also shows the percent of the components in the map units, the kind of component, and the slope range of each component.

Report—Component Legend

Component Legend—Putnam County Area, Florida							
Map unit symbol and name	Map unit acres	Pct. of map unit	Component name	Component kind	Pct. slope		
					Low	RV	High
1—Candler fine sand, 0 to 5 percent slopes	29,650						
		90	Candler	Series	0.0	3.0	5.0
		4	Tavares	Series	0.0	1.0	5.0
		3	Adamsville	Series	0.0	1.0	2.0
		3	Millhopper	Series	0.0	3.0	5.0
2—Candler fine sand, 5 to 8 percent slopes	8,820						
		90	Candler	Series	5.0	6.5	8.0
		3	Apopka	Series	5.0	6.5	8.0
		3	Astatula	Series	0.0	4.0	8.0
		2	Tavares	Series	0.0	3.0	5.0
		2	Millhopper	Series	0.0	3.0	5.0
3—Myakka fine sand	49,200						
		75	Myakka, non-hydric	Series	0.0	1.0	2.0
		15	Myakka, hydric	Series	0.0	1.0	2.0
		3	Immokalee, non-hydric	Series	0.0	1.0	2.0
		3	Cassia	Series	0.0	1.0	2.0
		2	Placid, depressional	Series	0.0	1.0	2.0
		2	St. Johns, depressional	Series	0.0	1.0	2.0
4—Zolfo fine sand	17,930						
		90	Zolfo	Series	0.0	1.0	2.0
		3	Centenary	Series	0.0	1.0	2.0
		3	Adamsville	Series	0.0	1.0	2.0
		2	Tavares	Series	0.0	3.0	5.0
		2	Narcoossee	Series	0.0	1.0	2.0

Component Legend--Putnam County Area, Florida							
Map unit symbol and name	Map unit acres	Pct. of map unit	Component name	Component kind	Pct. slope		
					Low	RV	High
5—Placid fine sand, depressional	8,530						
		90	Placid, depressional	Series	0.0	1.0	2.0
		3	Myakka, depressional	Series	0.0	1.0	2.0
		3	Ona, hydric	Series	0.0	1.0	2.0
		2	Samsula	Series	0.0	0.5	1.0
		2	St. Johns, depressional	Series	0.0	1.0	2.0
6—Tavares fine sand, 0 to 5 percent slopes	20,000						
		80	Tavares	Series	0.0	3.0	5.0
		4	Candler	Series	0.0	3.0	5.0
		4	Adamsville	Series	0.0	1.0	2.0
		3	Zolfo	Series	0.0	1.0	2.0
		3	Centenary	Series	0.0	1.0	2.0
		3	Sparr	Series	0.0	3.0	5.0
		3	Narcoossee	Series	0.0	1.0	2.0
7—Immokalee fine sand	8,690						
		75	Immokalee, non-hydric	Series	0.0	1.0	2.0
		10	Immokalee, hydric	Series	0.0	1.0	2.0
		5	Myakka, non-hydric	Series	0.0	1.0	2.0
		5	Cassia	Series	0.0	1.0	2.0
		5	St. Johns, depressional	Series	0.0	1.0	2.0
13—St. Johns fine sand, depressional	6,790						
		80	St. Johns, depressional	Series	0.0	1.0	2.0
		4	Ona, hydric	Series	0.0	1.0	2.0
		4	Samsula	Series	0.0	0.5	1.0
		4	Placid, depressional	Series	0.0	1.0	2.0
		4	Myakka, depressional	Series	0.0	1.0	2.0
		4	Pomona, depressional	Series	0.0	1.0	2.0
14—Cassia fine sand	6,250						
		80	Cassia	Series	0.0	1.0	2.0
		5	Adamsville	Series	0.0	1.0	2.0
		5	Zolfo	Series	0.0	1.0	2.0
		5	Myakka, non-hydric	Series	0.0	1.0	2.0
		5	Narcoossee	Series	0.0	1.0	2.0

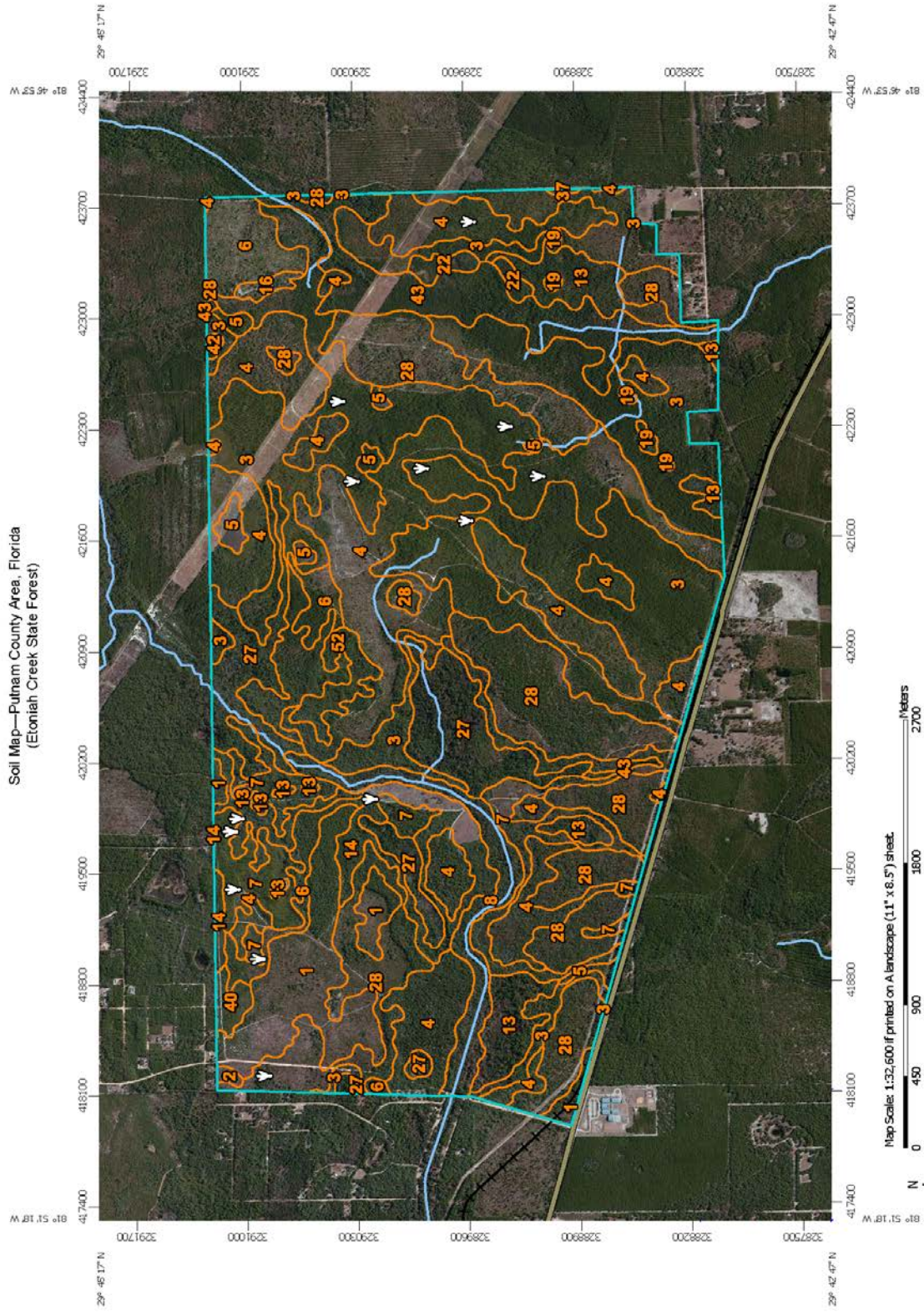
Component Legend--Putnam County Area, Florida							
Map unit symbol and name	Map unit acres	Pct. of map unit	Component name	Component kind	Pct. slope		
					Low	RV	High
16—Adamsville sand, 0 to 2 percent slopes	6,490						
		92	Adamsville	Series	0.0	1.0	2.0
		4	Narcoossee	Series	0.0	1.0	2.0
		4	Riviera	Series	0.0	1.0	2.0
25—Narcoossee fine sand	3,200						
		80	Narcoossee	Series	0.0	1.0	2.0
		10	Cassia	Series	0.0	1.0	2.0
		10	Adamsville	Series	0.0	1.0	2.0
27—Samsula muck	16,300						
		80	Samsula	Series	0.0	0.5	1.0
		5	Hontoon	Series	0.0	0.5	1.0
		5	St. Johns, depressional	Series	0.0	1.0	2.0
		5	Tomoka	Series	0.0	0.5	1.0
		5	Placid, depressional	Series	0.0	1.0	2.0
28—Centenary fine sand	10,750						
		80	Centenary	Series	0.0	1.0	2.0
		4	Deland	Series	0.0	4.0	8.0
		4	Adamsville	Series	0.0	1.0	2.0
		3	Ona, non-hydric	Series	0.0	1.0	2.0
		3	Florahome	Series	0.0	1.5	3.0
		3	Tavares	Series	0.0	3.0	5.0
		3	Zolfo	Series	0.0	1.0	2.0
30—Hontoon muck	9,430						
		85	Hontoon	Series	0.0	0.5	1.0
		8	Placid, depressional	Series	0.0	1.0	2.0
		7	Samsula	Series	0.0	0.5	1.0
31—Myakka fine sand, depressional	2,390						
		90	Myakka, depressional	Series	0.0	1.0	2.0
		4	Placid, depressional	Series	0.0	1.0	2.0
		3	St. Johns, depressional	Series	0.0	1.0	2.0
		3	Pomona, depressional	Series	0.0	1.0	2.0

Component Legend--Putnam County Area, Florida							
Map unit symbol and name	Map unit acres	Pct. of map unit	Component name	Component kind	Pct. slope		
					Low	RV	High
37—Ona fine sand	8,600						
		80	Ona, non-hydric	Series	0.0	1.0	2.0
		10	Ona, hydric	Series	0.0	1.0	2.0
		4	Myakka, non-hydric	Series	0.0	1.0	2.0
		3	St. Johns, depressional	Series	0.0	1.0	2.0
		3	Placid, depressional	Series	0.0	1.0	2.0
40—Paola fine sand, 0 to 8 percent slopes	2,170						
		90	Paola	Series	0.0	4.0	8.0
		3	Cassia	Series	0.0	1.0	2.0
		3	Candler	Series	0.0	3.0	5.0
		2	Tavares	Series	0.0	3.0	5.0
		2	Orsino	Series	0.0	4.0	8.0
43—Placid-Pompano association, frequently flooded	15,600						
		55	Placid	Series	0.0	1.0	2.0
		30	Pompano	Series	0.0	1.0	3.0
		15	Samsula	Series	0.0	0.5	1.0
45—Astatula fine sand, 0 to 8 percent slopes	12,250						
		85	Astatula	Series	0.0	4.0	8.0
		3	Candler	Series	0.0	3.0	5.0
		3	Apopka	Series	0.0	3.0	5.0
		3	Tavares	Series	0.0	3.0	5.0
		3	Millhopper	Series	0.0	3.0	5.0
		3	Deland	Series	0.0	4.0	8.0
46—Astatula fine sand, 8 to 15 percent slopes	1,370						
		90	Astatula	Series	8.0	11.5	15.0
		5	Candler	Series	5.0	6.5	8.0
		5	Tavares	Series	0.0	3.0	5.0
48—Florahome sand	2,250						
		90	Florahome	Series	0.0	1.5	3.0
		3	Centenary	Series	0.0	1.0	2.0
		3	Adamsville	Series	0.0	1.0	2.0
		2	Tavares	Series	0.0	3.0	5.0
		2	Narcoossee	Series	0.0	1.0	2.0

Component Legend--Putnam County Area, Florida							
Map unit symbol and name	Map unit acres	Pct. of map unit	Component name	Component kind	Pct. slope		
					Low	RV	High
52—Orsino fine sand, 0 to 8 percent slopes	2,710						
		80	Orsino	Series	0.0	4.0	8.0
		5	Paola	Series	0.0	4.0	8.0
		5	Astatula	Series	0.0	4.0	8.0
		5	Cassia	Series	0.0	1.0	2.0
		5	Tavares	Series	0.0	3.0	5.0
57—Deland fine sand, 0 to 8 percent slopes	1,650						
		90	Deland	Series	0.0	4.0	8.0
		5	Astatula	Series	0.0	4.0	8.0
		5	Centenary	Series	0.0	1.0	2.0
99—Water	60,400						
		100	Water	Miscellaneous area			

Data Source Information

Soil Survey Area: Putnam County Area, Florida
 Survey Area Data: Version 9, Dec 7, 2013



MAP LEGEND

Area of Interest (AOI)
 Area of Interest (AOI)

Solls
 Soil Map Unit Polygons
 Soil Map Unit Lines
 Soil Map Unit Points

Special Point Features
 Blowout
 Borrow Pit
 Clay Spot
 Closed Depression
 Gravel Pit
 Gravelly Spot
 Landfill
 Lava Flow
 Marsh or swamp
 Mine or Quarry
 Miscellaneous Water
 Perennial Water
 Rock Outcrop
 Saline Spot
 Sandy Spot
 Severely Eroded Spot
 Sinkhole
 Slide or Slip
 Soft Spot

Water Features
 Streams and Canals

Transportation
 Rails
 Interstate Highways
 US Routes
 Major Roads
 Local Roads

Background
 Aerial Photography

Special Line Features
 Spoil Area
 Stony Spot
 Very Stony Spot
 Wet Spot
 Other

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800. Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Putnam County Area, Florida
Survey Area Data: Version 9, Dec 7, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 8, 2010—Mar 15, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Putnam County Area, Florida (FL107)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1	Candler fine sand, 0 to 5 percent slopes	198.8	4.8%
2	Candler fine sand, 5 to 8 percent slopes	3.6	0.1%
3	Myakka fine sand	1,154.3	28.0%
4	Zolfo fine sand	862.8	21.0%
5	Placid fine sand, depressional	36.1	0.9%
6	Tavares fine sand, 0 to 5 percent slopes	131.2	3.2%
7	Immokalee fine sand	223.5	5.4%
8	Arents, 0 to 2 percent slopes	101.3	2.5%
13	St. Johns fine sand, depressional	139.2	3.4%
14	Cassia fine sand	128.7	3.1%
16	Adamsville sand, 0 to 2 percent slopes	9.5	0.2%
19	Pomona fine sand, depressional	13.0	0.3%
22	Tomoka muck	21.5	0.5%
27	Samsula muck	233.5	5.7%
28	Centenary fine sand	621.2	15.1%
37	Ona fine sand	1.5	0.0%
40	Paola fine sand, 0 to 8 percent slopes	16.3	0.4%
42	Riviera fine sand, depressional	3.1	0.1%
43	Placid-Pompano association, frequently flooded	180.2	4.4%
52	Orsino fine sand, 0 to 8 percent slopes	35.9	0.9%
Totals for Area of Interest		4,115.4	100.0%

Component Legend

This report presents general information about the map units and map unit components in the selected area. It shows map unit symbols and names and the components in each map unit. It also shows the percent of the components in the map units, the kind of component, and the slope range of each component.

Report—Component Legend

Component Legend—Putnam County Area, Florida							
Map unit symbol and name	Map unit acres	Pct. of map unit	Component name	Component kind	Pct. slope		
					Low	RV	High
1—Candler fine sand, 0 to 5 percent slopes	29,650						
		90	Candler	Series	0.0	3.0	5.0
		4	Tavares	Series	0.0	1.0	5.0
		3	Adamsville	Series	0.0	1.0	2.0
		3	Millhopper	Series	0.0	3.0	5.0
2—Candler fine sand, 5 to 8 percent slopes	8,820						
		90	Candler	Series	5.0	6.5	8.0
		3	Apopka	Series	5.0	6.5	8.0
		3	Astatula	Series	0.0	4.0	8.0
		2	Tavares	Series	0.0	3.0	5.0
		2	Millhopper	Series	0.0	3.0	5.0
3—Myakka fine sand	49,200						
		75	Myakka, non-hydric	Series	0.0	1.0	2.0
		15	Myakka, hydric	Series	0.0	1.0	2.0
		3	Immokalee, non-hydric	Series	0.0	1.0	2.0
		3	Cassia	Series	0.0	1.0	2.0
		2	Placid, depressional	Series	0.0	1.0	2.0
		2	St. Johns, depressional	Series	0.0	1.0	2.0
4—Zolfo fine sand	17,930						
		90	Zolfo	Series	0.0	1.0	2.0
		3	Centenary	Series	0.0	1.0	2.0
		3	Adamsville	Series	0.0	1.0	2.0
		2	Tavares	Series	0.0	3.0	5.0
		2	Narcoossee	Series	0.0	1.0	2.0

Component Legend--Putnam County Area, Florida							
Map unit symbol and name	Map unit acres	Pct. of map unit	Component name	Component kind	Pct. slope		
					Low	RV	High
5—Placid fine sand, depressional	8,530						
		90	Placid, depressional	Series	0.0	1.0	2.0
		3	Myakka, depressional	Series	0.0	1.0	2.0
		3	Ona, hydric	Series	0.0	1.0	2.0
		2	Samsula	Series	0.0	0.5	1.0
		2	St. Johns, depressional	Series	0.0	1.0	2.0
6—Tavares fine sand, 0 to 5 percent slopes	20,000						
		80	Tavares	Series	0.0	3.0	5.0
		4	Candler	Series	0.0	3.0	5.0
		4	Adamsville	Series	0.0	1.0	2.0
		3	Zolfo	Series	0.0	1.0	2.0
		3	Centenary	Series	0.0	1.0	2.0
		3	Sparr	Series	0.0	3.0	5.0
		3	Narcoossee	Series	0.0	1.0	2.0
7—Immokalee fine sand	8,690						
		75	Immokalee, non-hydric	Series	0.0	1.0	2.0
		10	Immokalee, hydric	Series	0.0	1.0	2.0
		5	Myakka, non-hydric	Series	0.0	1.0	2.0
		5	Cassia	Series	0.0	1.0	2.0
		5	St. Johns, depressional	Series	0.0	1.0	2.0
8—Arents, 0 to 2 percent slopes	3,020						
		100	Arents	Taxon above family	0.0	1.0	2.0
13—St. Johns fine sand, depressional	6,790						
		80	St. Johns, depressional	Series	0.0	1.0	2.0
		4	Ona, hydric	Series	0.0	1.0	2.0
		4	Samsula	Series	0.0	0.5	1.0
		4	Placid, depressional	Series	0.0	1.0	2.0
		4	Myakka, depressional	Series	0.0	1.0	2.0
		4	Pomona, depressional	Series	0.0	1.0	2.0
14—Cassia fine sand	6,250						
		80	Cassia	Series	0.0	1.0	2.0
		5	Adamsville	Series	0.0	1.0	2.0
		5	Zolfo	Series	0.0	1.0	2.0
		5	Myakka, non-hydric	Series	0.0	1.0	2.0
		5	Narcoossee	Series	0.0	1.0	2.0

Component Legend--Putnam County Area, Florida							
Map unit symbol and name	Map unit acres	Pct. of map unit	Component name	Component kind	Pct. slope		
					Low	RV	High
16—Adamsville sand, 0 to 2 percent slopes	6,490						
		92	Adamsville	Series	0.0	1.0	2.0
		4	Narcoossee	Series	0.0	1.0	2.0
		4	Riviera	Series	0.0	1.0	2.0
19—Pomona fine sand, depressional	1,240						
		80	Pomona, depressional	Series	0.0	1.0	2.0
		10	Tomoka	Series	0.0	0.5	1.0
		10	Placid, depressional	Series	0.0	1.0	2.0
22—Tomoka muck	4,600						
		80	Tomoka	Series	0.0	0.5	1.0
		5	St. Johns, depressional	Series	0.0	1.0	2.0
		5	Hontoon	Series	0.0	0.5	1.0
		5	Placid, depressional	Series	0.0	1.0	2.0
		5	Samsula	Series	0.0	0.5	1.0
27—Samsula muck	16,300						
		80	Samsula	Series	0.0	0.5	1.0
		5	Hontoon	Series	0.0	0.5	1.0
		5	St. Johns, depressional	Series	0.0	1.0	2.0
		5	Tomoka	Series	0.0	0.5	1.0
		5	Placid, depressional	Series	0.0	1.0	2.0
28—Centenary fine sand	10,750						
		80	Centenary	Series	0.0	1.0	2.0
		4	Deland	Series	0.0	4.0	8.0
		4	Adamsville	Series	0.0	1.0	2.0
		3	Ona, non-hydric	Series	0.0	1.0	2.0
		3	Florahome	Series	0.0	1.5	3.0
		3	Tavares	Series	0.0	3.0	5.0
		3	Zolfo	Series	0.0	1.0	2.0
37—Ona fine sand	8,600						
		80	Ona, non-hydric	Series	0.0	1.0	2.0
		10	Ona, hydric	Series	0.0	1.0	2.0
		4	Myakka, non-hydric	Series	0.0	1.0	2.0
		3	St. Johns, depressional	Series	0.0	1.0	2.0
		3	Placid, depressional	Series	0.0	1.0	2.0

Component Legend--Putnam County Area, Florida							
Map unit symbol and name	Map unit acres	Pct. of map unit	Component name	Component kind	Pct. slope		
					Low	RV	High
40—Paola fine sand, 0 to 8 percent slopes	2,170						
		90	Paola	Series	0.0	4.0	8.0
		3	Cassia	Series	0.0	1.0	2.0
		3	Candler	Series	0.0	3.0	5.0
		2	Tavares	Series	0.0	3.0	5.0
		2	Orsino	Series	0.0	4.0	8.0
42—Riviera fine sand, depressional	2,870						
		70	Riviera, depressional	Series	0.0	1.0	2.0
		10	Winder	Series	0.0	1.0	2.0
		10	Riviera	Series	0.0	1.0	2.0
		10	Holopaw, depressional	Series	0.0	1.0	2.0
43—Placid-Pompano association, frequently flooded	15,600						
		55	Placid	Series	0.0	1.0	2.0
		30	Pompano	Series	0.0	1.0	3.0
		15	Samsula	Series	0.0	0.5	1.0
52—Orsino fine sand, 0 to 8 percent slopes	2,710						
		80	Orsino	Series	0.0	4.0	8.0
		5	Paola	Series	0.0	4.0	8.0
		5	Astatula	Series	0.0	4.0	8.0
		5	Cassia	Series	0.0	1.0	2.0
		5	Tavares	Series	0.0	3.0	5.0

Data Source Information

Soil Survey Area: Putnam County Area, Florida

Survey Area Data: Version 9, Dec 7, 2013

Exhibit M

Department of Environmental Protection
Outstanding Florida Waters



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

BOB MARTINEZ CENTER
2600 BLAIRSTONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

June 3, 2014

Ms. Jennifer Reed
Land Planning Coordinator
Florida Forestry Service
Florida Department of Agriculture & Consumer Services
The Conner Building
3125 Conner Boulevard - Room 237
Tallahassee, FL 32399-1650

RE: Land Use Plan for Etoniah Creek State Forest

Dear Ms. Reed:

Thank you for your inquiry regarding the surface water quality classifications on and near Etoniah Creek State Forest in Putnam County. There are no Outstanding Florida Waters located in or adjacent to Etoniah Creek State Forest (Rule 62-302.700, Florida Administrative Code (FAC)). Any surface waters on the site are classified as Class III waters (subparagraph 62-302.400(16)(b)54., FAC), which is the statewide default classification.

If you have any questions or need additional information, please feel free to contact me at the letterhead address (mail station 6511), by phone at 850/245-8429, or via E-mail at Eric.Shaw@dep.state.fl.us.

Sincerely,

Eric R. Shaw
Environmental Manager
Standards Development Section

Exhibit N

Water Resources



Florida Forest Service

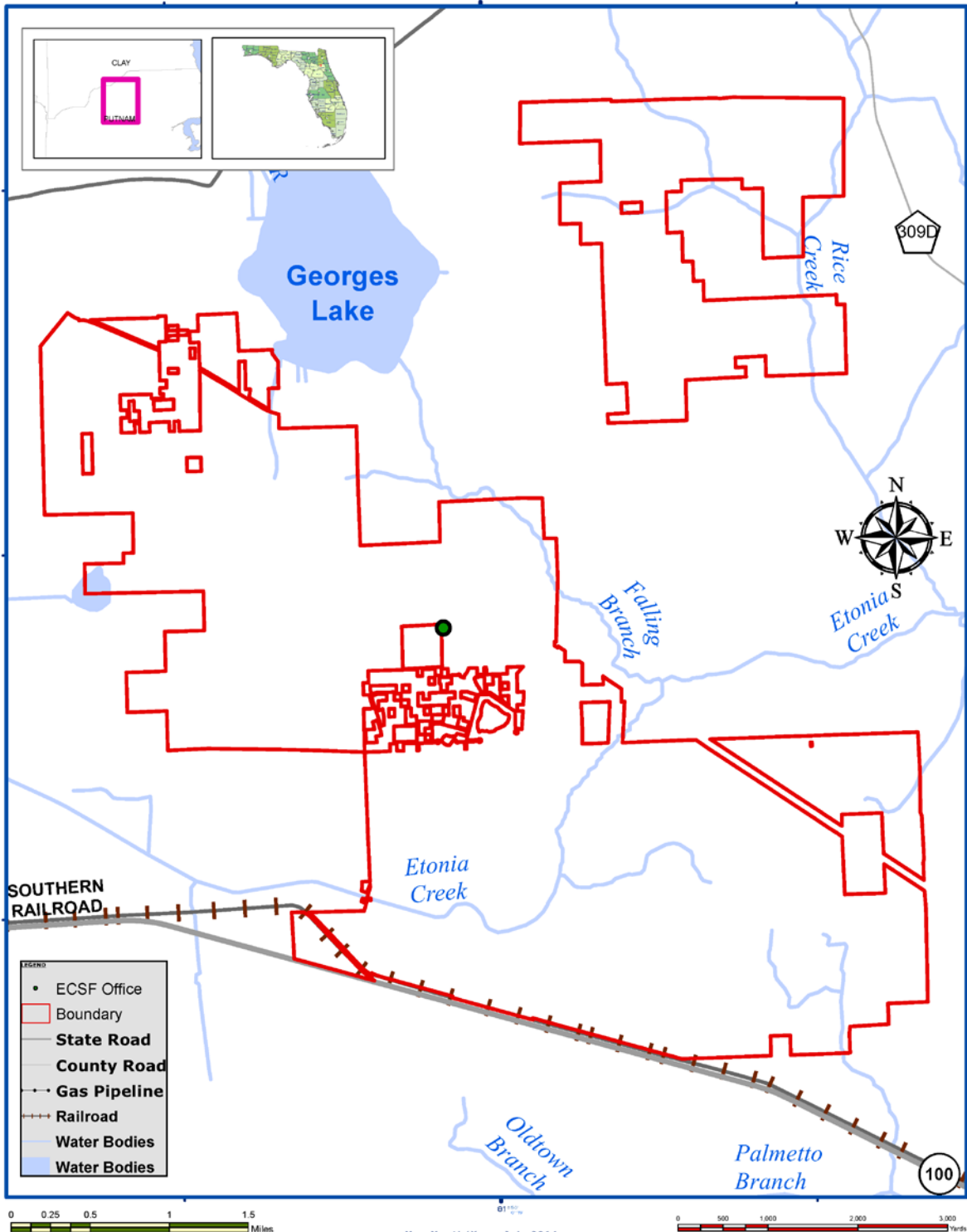
Coordinate System: Florida Albers
High Accuracy Reference Network (HARN) Datum

Etoniah Creek State Forest

Water Resources Map

DISCLAIMER:
This map was prepared by the Florida Forest Service
and is not intended to be used for any purpose other
than general information. It is not a legal document
and should not be used for any legal purpose.
The Florida Forest Service makes no warranty, either
express or implied, for the accuracy or completeness
of the map.

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





Florida Forest Service

Etoniah Creek State Forest

Water Resources Map

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

DISCLAIMER:
This map was prepared by the Florida Forest Service
for the Florida Department of Natural Resources
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.

Map of Area Boundary: Contours of
the Florida Natural Areas Inventory
Palmetto State Defense Sites (PSDS) from the
US Army Corps of Engineers

