

Annual Land Management Review Team Report

**Florida Department of Environmental Protection
Division of State Lands
Office of Environmental Services**

Fiscal Year 2022-23



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Introduction

INTRODUCTION TO LAND MANAGEMENT REVIEW
TEAM REPORTS AND ANALYSES:
REVIEWS CONDUCTED DURING FISCAL YEAR 2022-23

Section 259.036, Florida Statutes, requires the Board of Trustees (BOT), acting through the Department of Environmental Protection (DEP), to conduct land management reviews of select conservation, preservation and recreation lands titled to the BOT. The team assesses whether those lands are being managed for the purposes for which they were acquired, and whether they are being managed in accordance with their adopted management plans.

The 2003 Florida Legislature amended section 259.036, F.S., to require that all conservation lands greater than 1,000 acres in size be reviewed at least every five years. The properties reviewed were selected from a database of BOT lands based on the following factors: size of the property, land management plan due dates, managing agency, previous land management review date, and geographic location.

Regional review team members were selected in accordance with legislation to include representatives of the following: (1) county or local community in which the parcel is located, (2) Division of Recreation and Parks (DRP), (3) Florida Forest Service (FFS), (4) Florida Fish and Wildlife Conservation Commission (FWC), (5) the DEP regulatory district office, (6) private land manager, (7) local Soil and Water Conservation District board of supervisors or water management district, and (8) a conservation organization.

Participating state agencies, soil and water conservation districts, local governments, and conservation groups have had continual input into the development and ongoing evolution of the review process. The Division of State Lands (DSL) staff is engaged in the process of developing new, more objective methodology for reviewing conservation lands and management plans, while also developing more effective measures to provide uniform accountability. Additionally, DEP coordinates with representatives of the Water Management District (WMD) to integrate land management reviews where WMD lands are adjacent to BOT lands, and when the BOT has joint ownership of parcels with a WMD. Thirty-five reviews were conducted during Fiscal Year 2022-23, involving more than 697,000 acres of managed lands. Reports of the review team findings were provided to the managing agency and the Acquisition and Restoration Council (ARC). The management activities are scored on a range of 1-5. Applying the criteria that a score of 3.5 and up is considered excellent, a score of 2.5 to 3.49 is

considered adequate, and a score of less than 2.5 is considered inadequate, the management review team provides the following:

- **Public access:** Public access was considered excellent on 34 of the sites visited and one site has no public access.
- **Prescribed fire scope:** Prescribed burning is considered an appropriate management tool on 33 of the 35 sites reviewed. On five sites, over 30% of the fire dependent lands had been treated according to prescription. On 27 sites, over 60% of the fire dependent lands had been treated according to prescription. On one site, less than 30% of the fire dependent lands had been treated according to prescription. Two sites had no fire dependent lands.
- **Prescribed fire frequency:** On 28 of the 33 sites requiring prescribed fire, the teams found the burn frequency adequate or excellent. On five sites, the teams found the burn frequency to be inadequate.
- **Fire quality:** On 32 of the 33 sites where prescribed fire has been implemented, the teams found fire quality to be excellent or adequate. On one site, the teams found fire quality to be inadequate.
- **Invasive species control:** Control of non-native, invasive species was a management issue on all lands reviewed. Control and maintenance measures were excellent on 32 of the sites reviewed.
- **Surface water quality:** Lands that have significant hydrological resources should be monitored to ensure protection. Twenty-six sites had plans that adequately covered testing for degradation of surface waters, and one site had inadequate plans. Eight sites had no surface water testing needs.
- **Groundwater quality:** Twenty-five sites had adequate monitoring for groundwater quality and quantity. Fifteen sites had no groundwater monitoring needs.
- **Species protection:** Thirty-five sites were found to be excellent in actual management practices to protect listed plants and animals on site. The management plans were deemed excellent to ensure protection on 33 sites.
- **Law enforcement:** On 31 sites, law enforcement was adequate or excellent to protect the resources, and four sites demonstrated a need for improvements in law enforcement.
- **Public education and outreach:** Thirty-four sites demonstrated adequate or excellent public education and outreach programs. One site had inadequate public education and outreach programs.

Many of the management challenges noted in the findings may be directly related to the following:

- **Staffing Levels:** On three sites the teams found that staffing levels were less than adequate to protect the resources, while on 32 sites the staffing levels were adequate or excellent.
- **Funding Levels:** On 29 sites the teams found funding levels were adequate or excellent for proper management of resources, while on six sites funding levels were less than what the review team thought was needed for proper management.
- **Equipment:** On 33 of 35 sites the team found adequate or excellent equipment to properly manage the property.

Pursuant to section 259.036, F.S., if the land management review team determines that (1) reviewed lands are not being managed for purposes compatible with conservation, preservation, or recreation, or (2) actual management practices, including public access, were not found to be in compliance with the adopted management plan, DEP shall provide the review findings to the BOT. The managing agency must then report to the BOT its reasons for managing the lands as it has.

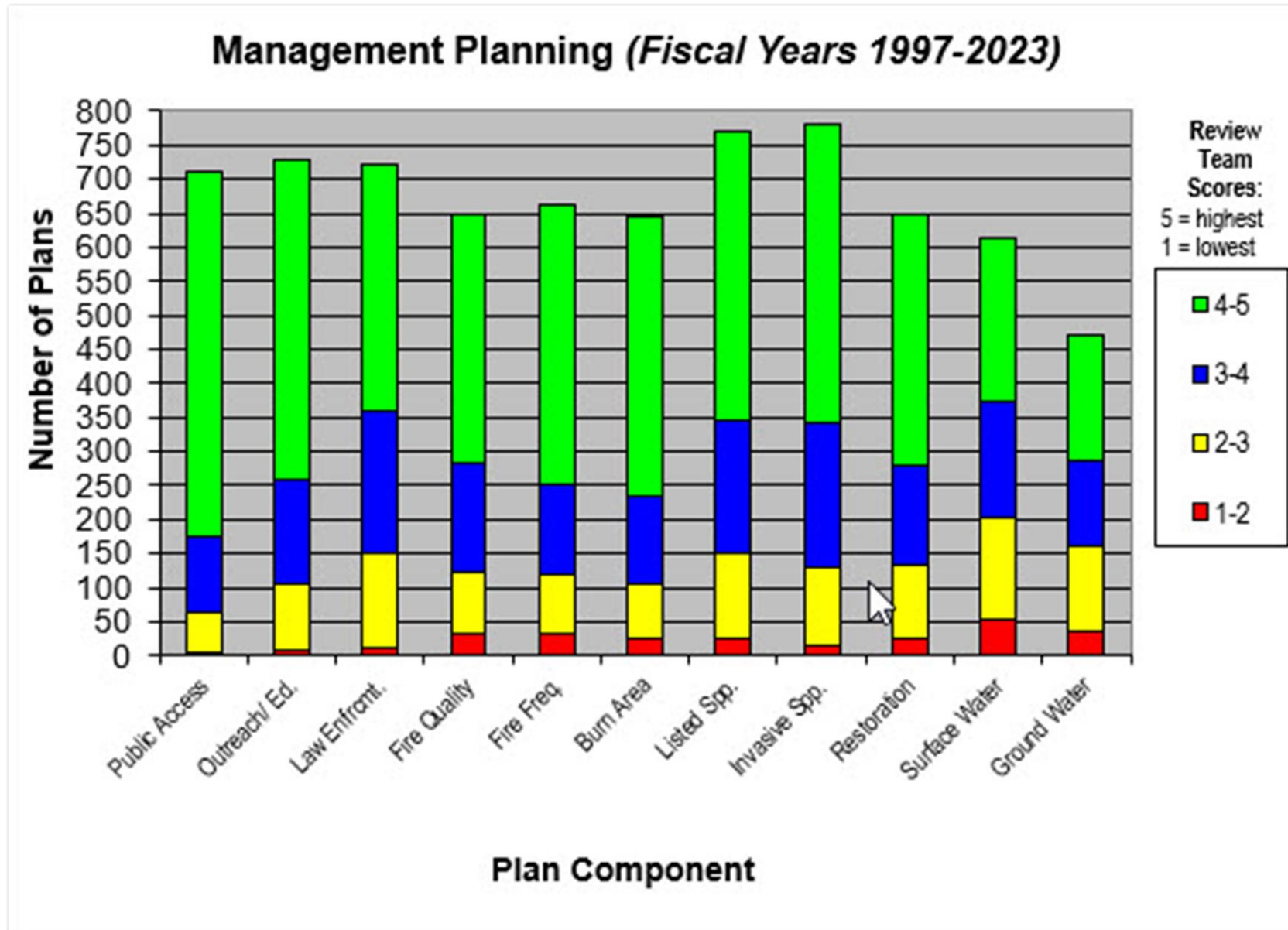
All properties reviewed were found to be managed for purposes compatible with conservation, preservation, or recreation; and actual management practices, including public access, were found to be in compliance with the adopted management plans.

Reports of the management review team findings have been provided to the managing agency for their review and response, and to the ARC. Evaluations of management plans and management activities in the field over the last 25 years are presented here in addition to the review team reports.

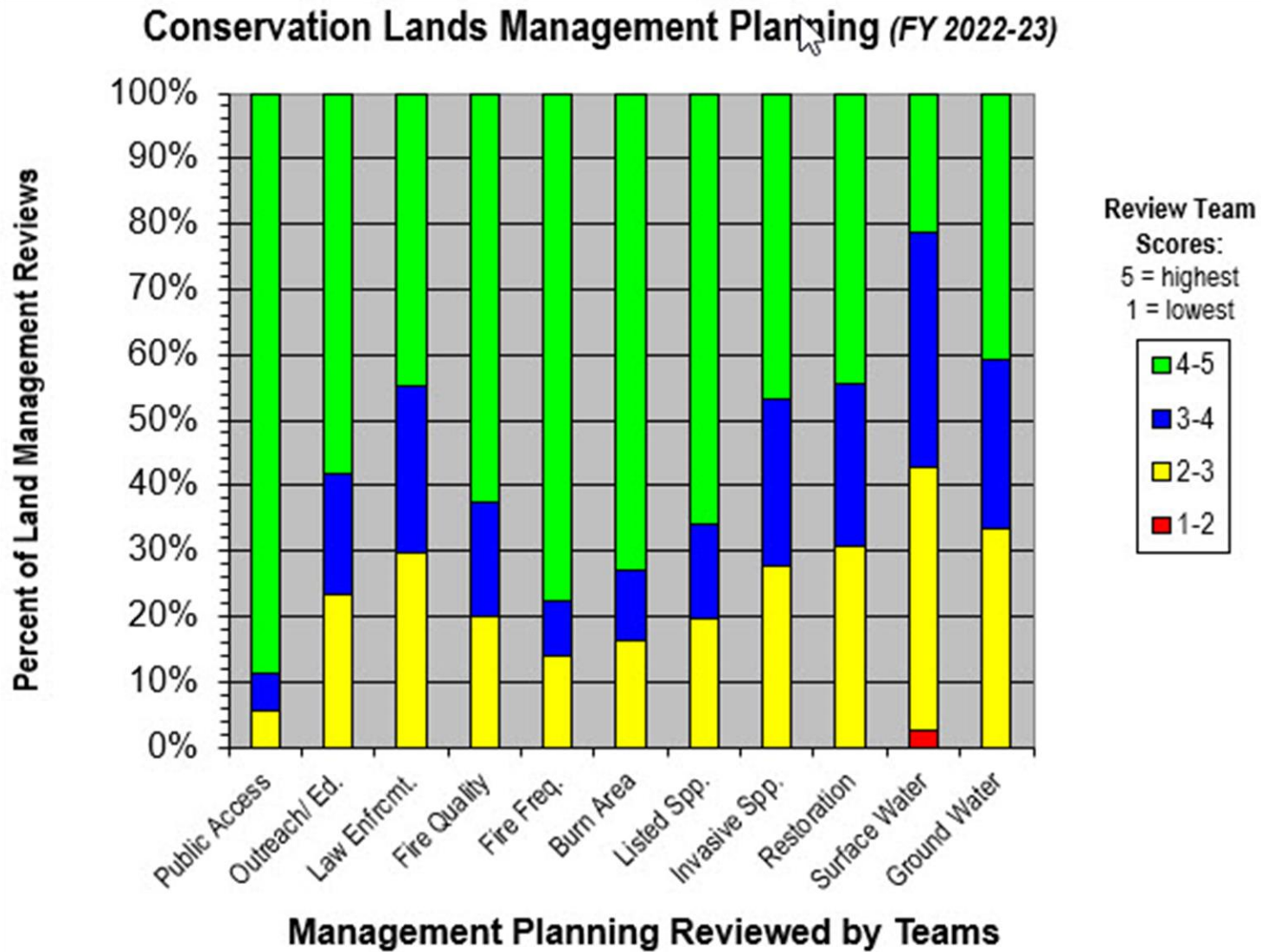
Acronyms

ACOE	US Army Corps of Engineers
ARC	Acquisition and Restoration Council
BOT	Board of Trustees
CSO	Citizen Support Organization
DEP	Florida Department of Environmental Protection
DHR	Division of Historical Resources, Department of State
DOT	Florida Department of Transportation
DRP	Division of Recreation and Parks, Florida Department of Environmental Protection
DSL	Division of State Lands, Florida Department of Environmental Protection
FFS	Florida Forest Service, Florida Department of Agriculture and Consumer Services
FNAI	Florida Natural Areas Inventory
FNPS	Florida Native Plant Society
FWC	Florida Fish and Wildlife Conservation Commission
IPM	Invasive Plant Management Section, Florida Fish and Wildlife Conservation Commission
NERR	National Estuarine Research Reserve
OES	Office of Environmental Services, Division of State Lands
RCP	Office of Resiliency and Coastal Protection, Florida Department of Environmental Protection
SF	State Forest
SP	State Park
WEA	Wildlife and Environmental Area
WMA	Wildlife Management Area
WMD	Water Management District

Management Planning

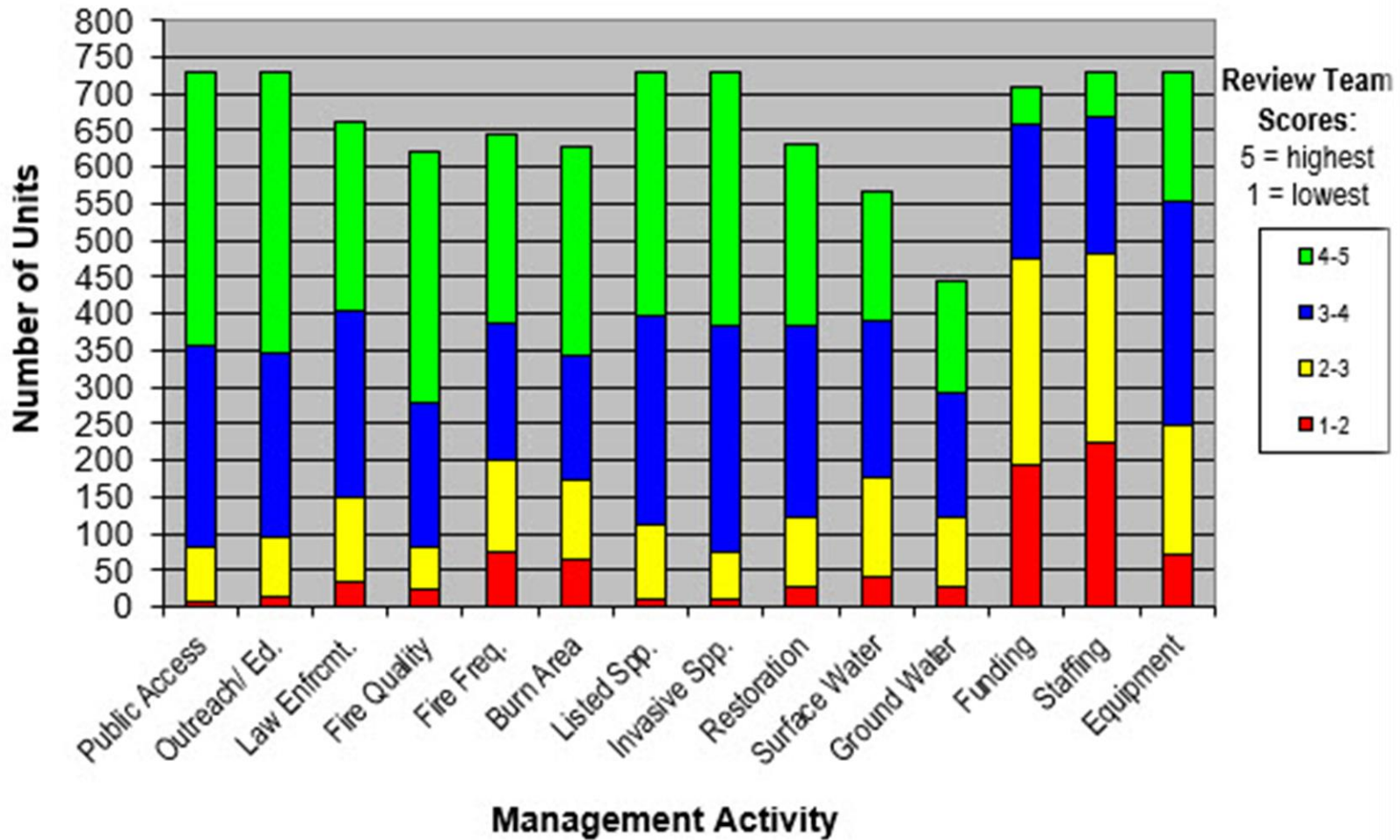


Conservation Lands Management Planning

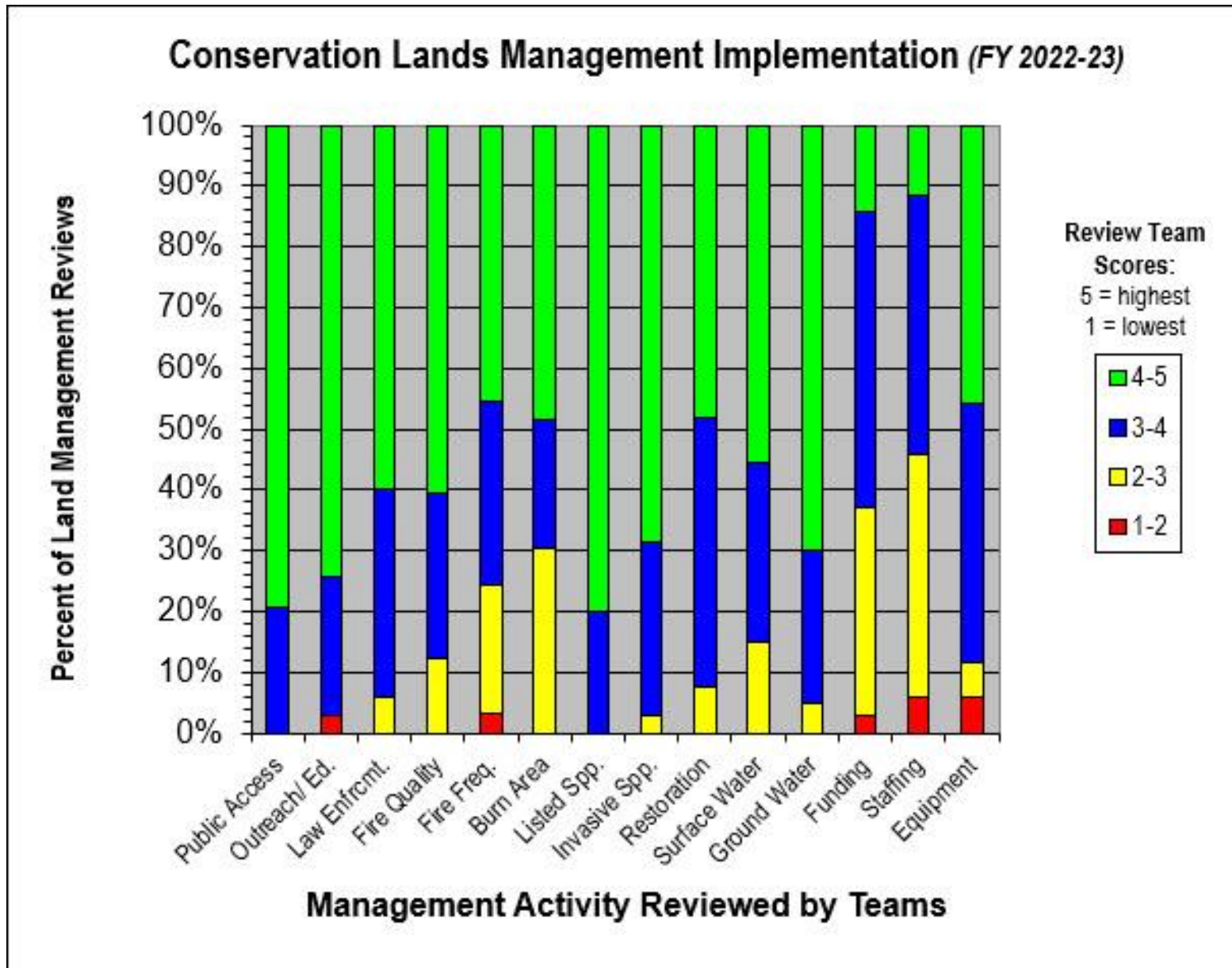


Management Implementation

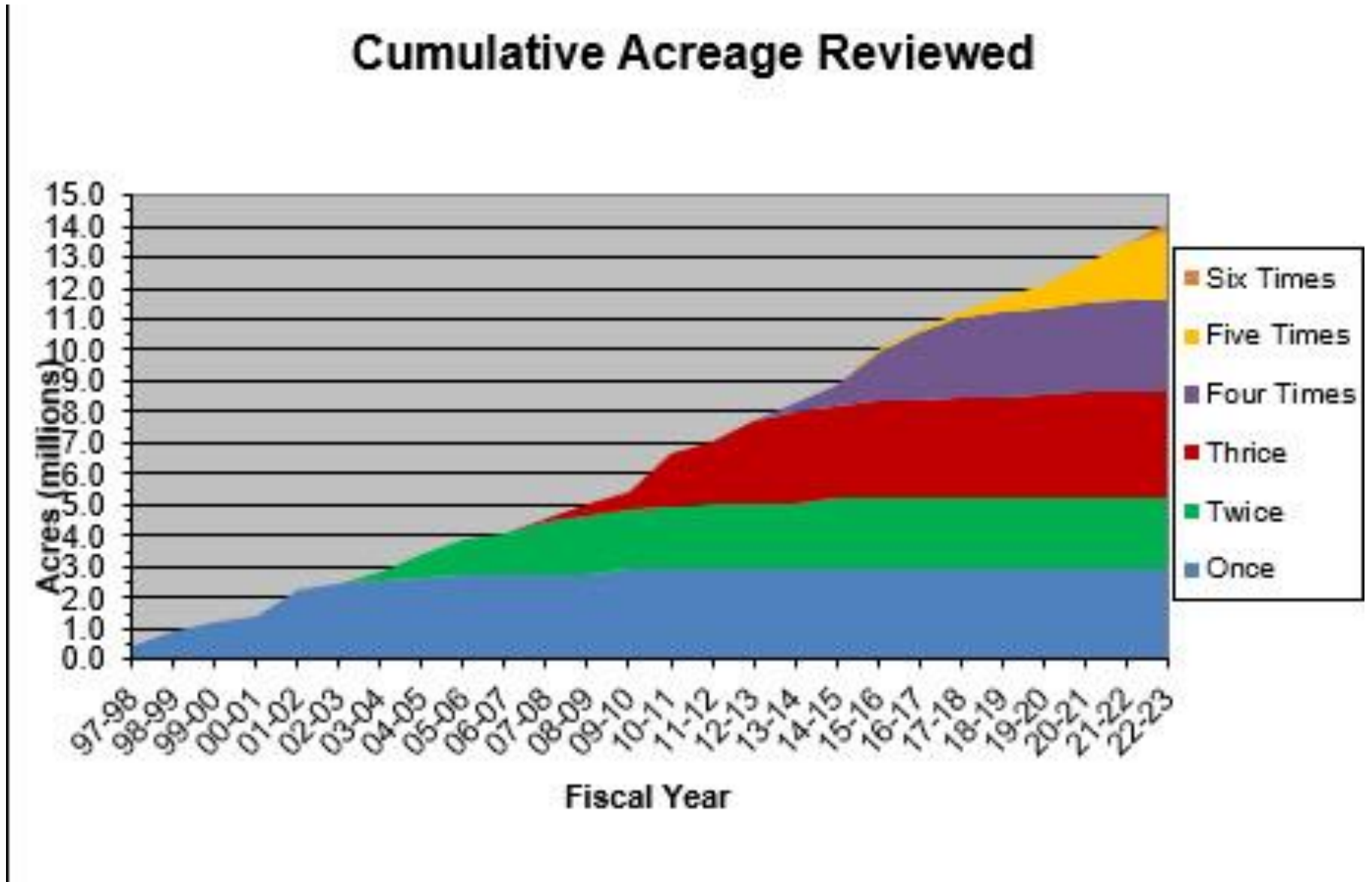
Management Implementation (Fiscal Years 1997-2023)



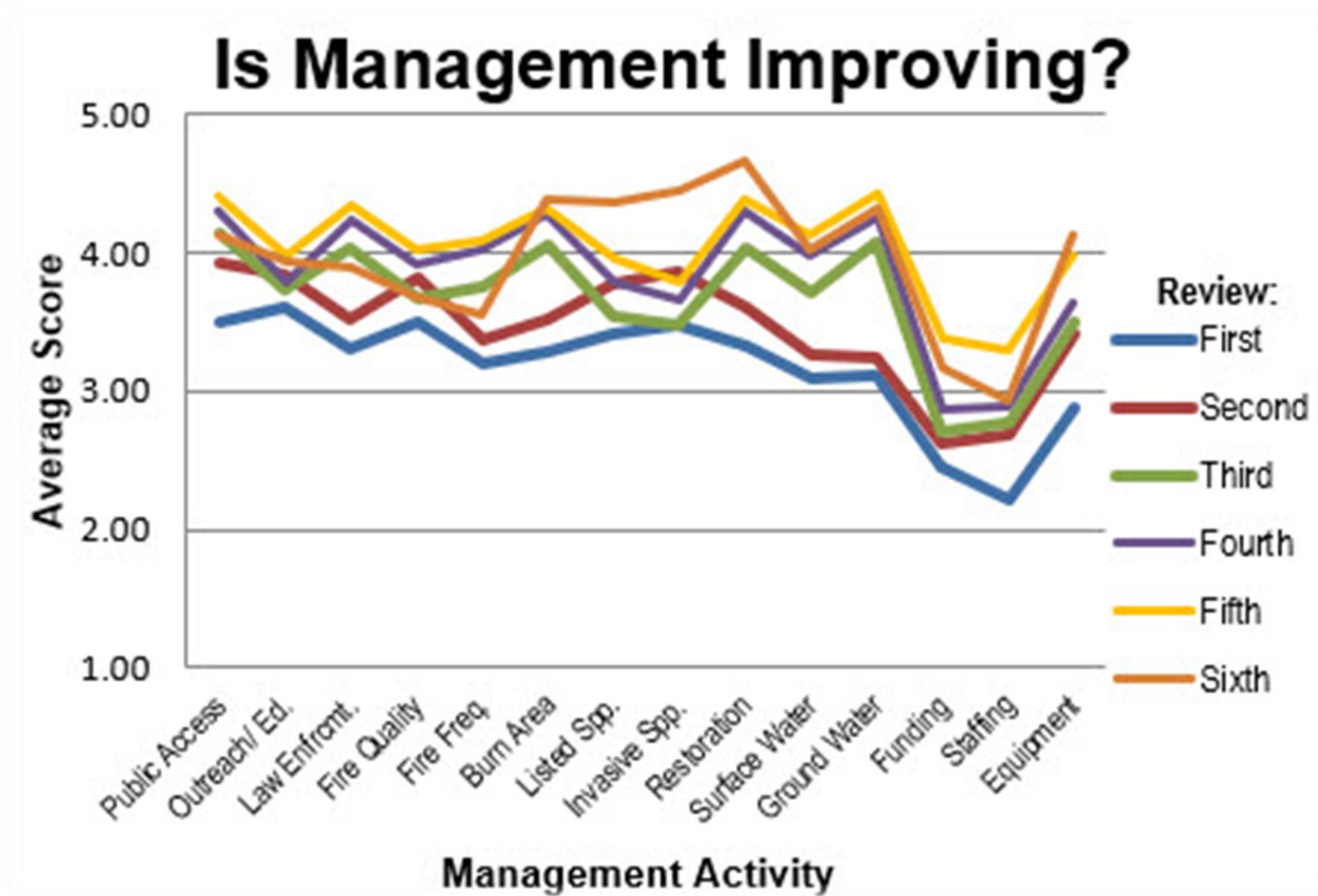
Conservation Lands Management Implementation



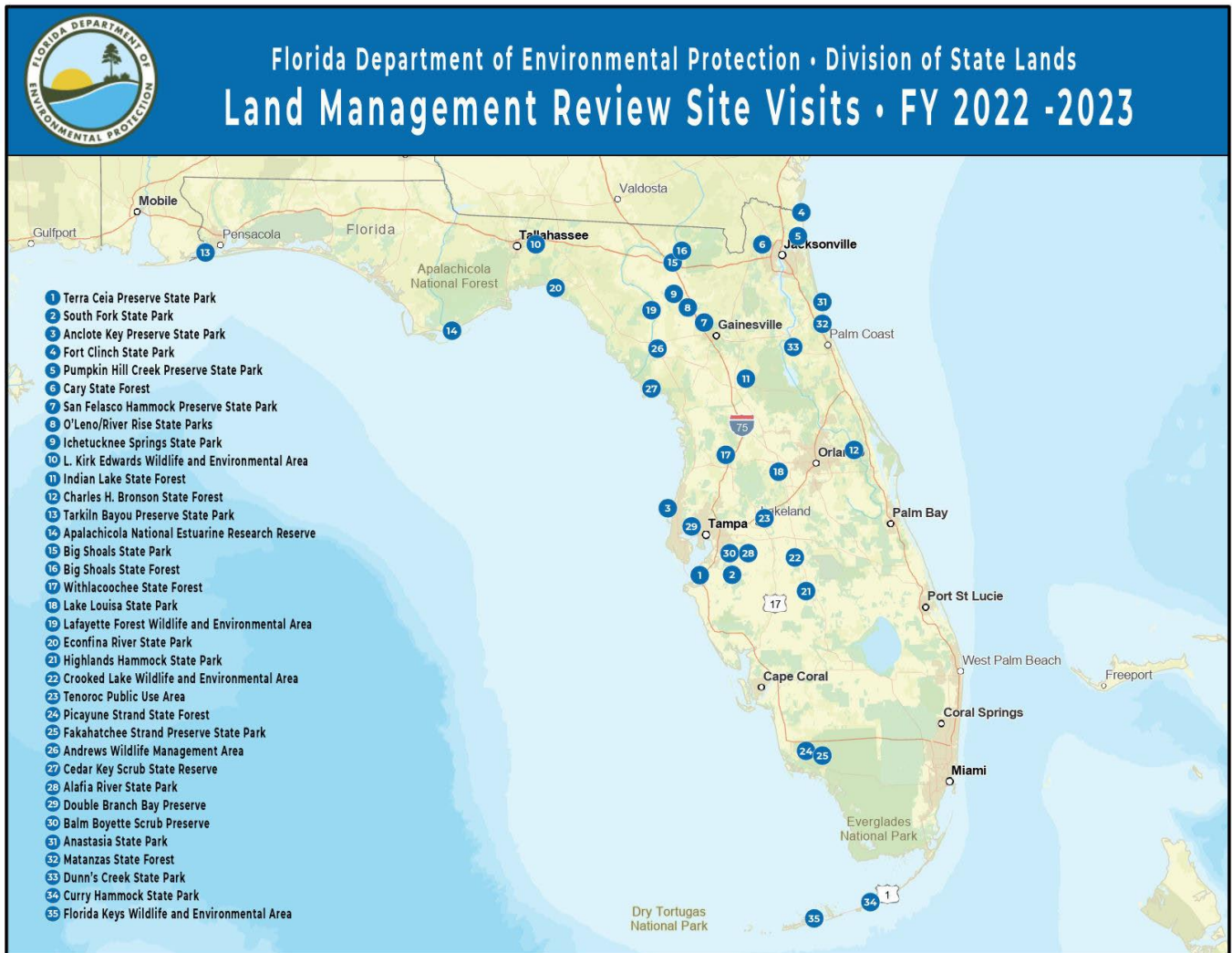
Cumulative Acreage Reviewed



Effect of Management



Overview of LMR site locations



Terra Ceia Preserve State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 1,948

County: Manatee

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): None (Donation)

Original Acquisition Date: 2/24/99

Area Reviewed: Entire Property

Last Management Plan Approval Date: 6/15/12

Review Date: 7/18/22

Agency Manager and Key Staff:

- Kevin Kiser, Manager
- Kathryn Smithson, Park Biologist
- Christin Meilink, Park Service Specialist

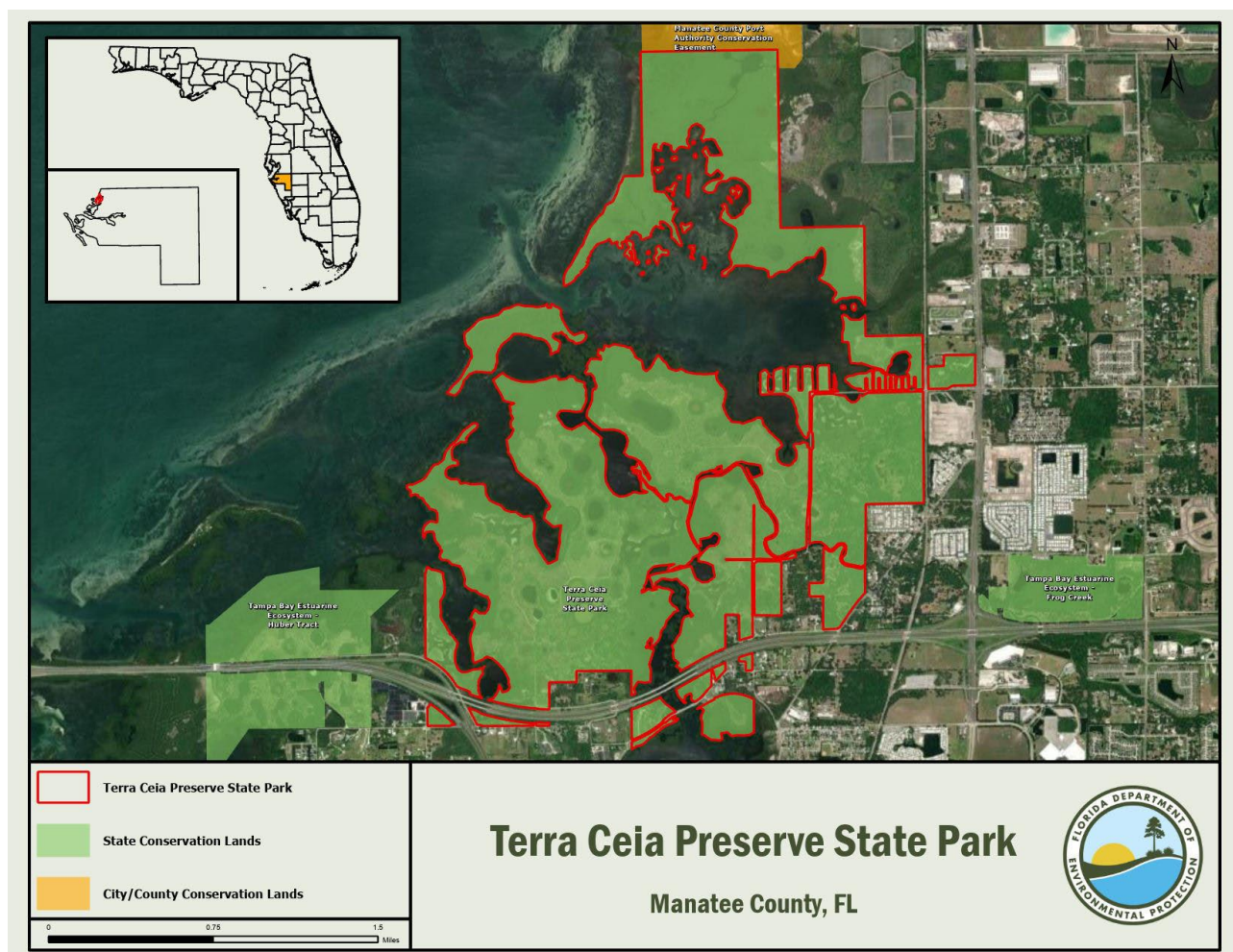
Review Team Members (voting)

- Tracy Muzyczka, DRP District
- Local Gov't., None
- Nick Jennings, FWC
- Marc Escudie, DEP District
- Mike Edwards, FFS
- Mark Maggard, SWFWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the staff for developing a greenhouse for growing ground cover species to use for ground cover restoration project. (5+, 0-)
2. The team commends the staff on their feral hog removal efforts. It's been a dramatic change in the past few years from both a water quality and a land management standpoint. (5+, 0-)
3. The team commends staff for introducing fire into all 541 upland acres, mapping fire footprints over last 10 years, and meeting management goal to reclass and quantify fire type acres. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

There were no consensus recommendations.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically mesic flatwoods, coastal berm, coastal strand, maritime hammock, shell mound, hydric hammock, salt marsh, salt flat, mangrove swamp, blackwater stream, and estuarine unconsolidated substrate.**
2. **Listed species, listed animal and plant species in general.**
3. **Natural resources survey/monitoring resources; specifically sport fish or their habitat monitoring, listed species or their habitat monitoring, other nongame species or their habitat monitoring, fire effects monitoring, other habitat management effects and invasive species/monitoring.**
4. **Prescribed fire, specifically area being burned, frequency and quality.**
5. **Restoration, specifically hydrology restoration.**

Table 1: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.11	4.39
Prescribed Fire / Habitat Restoration	4.43	4.33
Hydrology	3.90	3.78
Imperiled Species	5.00	4.38
Exotic / Invasive Species	4.53	4.37
Cultural Resources	3.20	4.10
Public Access / Education / Law Enforcement	4.11	3.84
Infrastructure / Equipment / Staffing	2.45	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
	Poor	

6. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals, and pests/pathogens.**
7. **Surface water monitoring, specifically quality, and quantity.**
8. **Resource protection, specifically boundary survey, gates and fencing, and signage.**
9. **Adjacent property concerns, specifically expanding development.**
10. **Public access, specifically boat access.**
11. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Resource Protection, specifically law enforcement presence, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether resources are sufficient to protect the property.

Managing Agency Response: Law enforcement assistance is obtained through the Florida Fish and Wildlife Conservation Commission's Division of Law Enforcement or from a local law enforcement agency. Florida FWC law enforcement officers patrol the main roads through the preserve routinely. Park staff will request additional presence to protect resources as necessary. Signage to include general boating and fishing rules and regulations should be addressed in the next Unit Management Plan update with input from FWC law enforcement, to provide for better enforcement of existing laws and regulations.

2. Management Resources, specifically waste disposal, sanitary facilities, buildings, equipment, staff, and funding, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: Division Funding for buildings, equipment, infrastructure and staff is appropriated annually by the Florida Legislature. This funding is allocated at the Division and District levels in order to best meet annual operational and resource management needs. Any deemed increase in Division Budget/staffing will follow the established legislative budget request process.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Adjacent Property Concerns, specifically discussion of potential surplus land determination, received a below average score. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: The next Unit Management plan updates will thoroughly review optimum boundary and potential lands for acquisition. Updates should expound on the responsibilities of Park, District, and Division staff, along with role of public agencies & private

partnerships, in the acquisition of adjoining public land for conservation. As Park staff may be the first to know of property within optimum boundary available for purchase, and partnerships are often forged at the park level, it is important to communicate these potential opportunities to the appropriate Division staff for a timely and concerted response.

Adjacent property concerns including discussion of potential surplus land determination will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

2. Managed Area Uses, Proposed Uses, specifically group camping area, paddle-in primitive camping area, and concession area, received below average scores. This is an indication that the management plan does not sufficiently address managed area uses.

Managing Agency Response: Terra Ceia Preserve is managed for passive recreational opportunities like hiking, wildlife viewing, boating, fishing and canoeing, but more extensive visitor services like concessions, group camping or primitive camping facilities were found to be incompatible with the cultural and natural resource management goals of the preserve at the time of the last Unit Management update. Updates to the next Management Plan will address whether primitive camping, group camping or concession operations are feasible with the current infrastructure, which lacks potable water, bathroom facilities, septic, or dedicated on-site staff.

South Fork State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 1,124

County: Manatee

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): None (Donation)

Area Reviewed: Entire Property

Original Acquisition Date: 10/26/88

Last Management Plan Approval Date: 12/12/08

Review Date: 7/18/22

Agency Manager and Key Staff:

- Joshua Herman, Manager

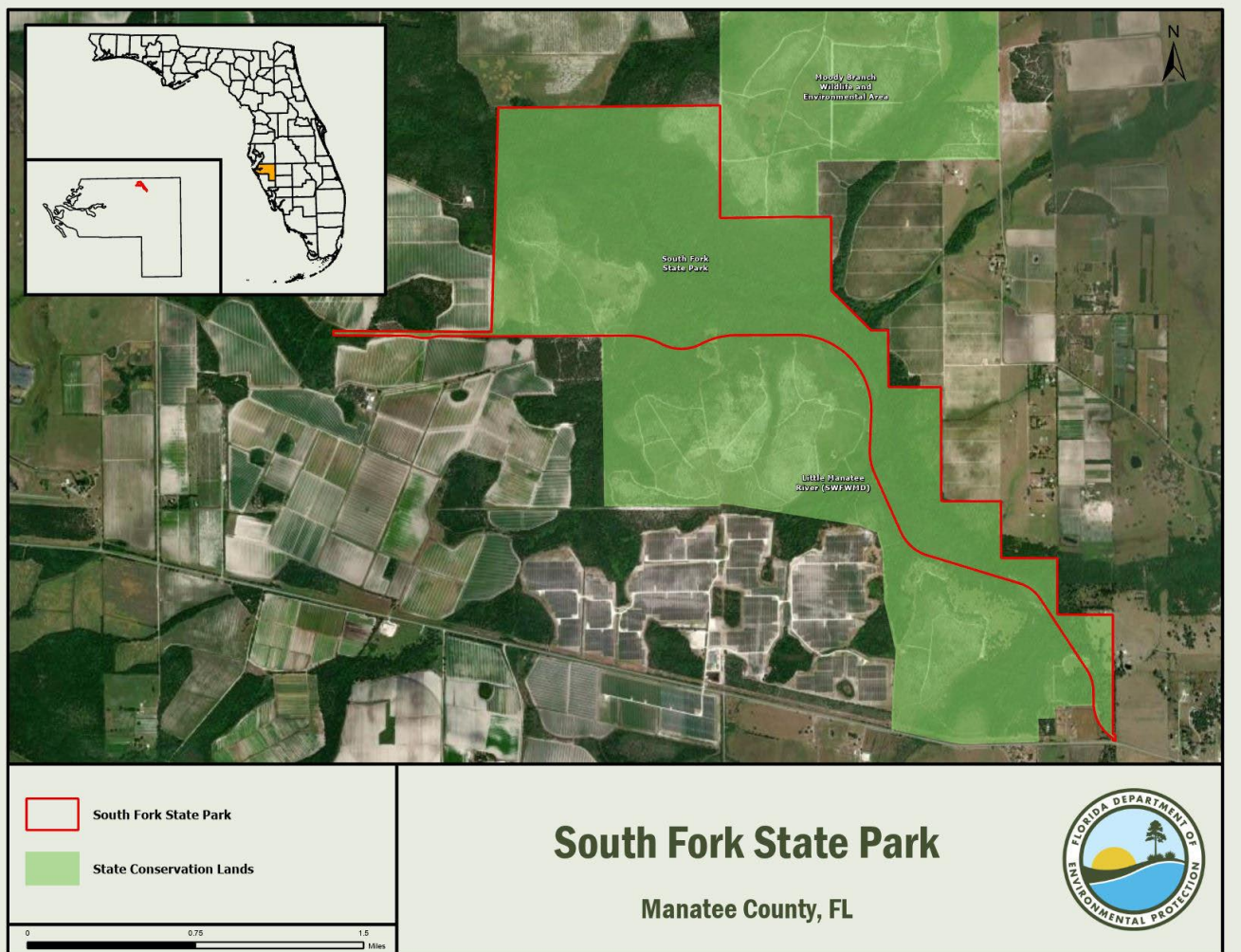
Review Team Members (voting)

- Matthew Hodge, DRP District
- Local Gov't., None
- Ethan Noel, FWC
- Casey Walsh, DEP District
- Mike Edwards, FFS
- Mark Maggard, SWFWMD
- Tom Heitzman, Conservation Org.
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 1

Are the management practices, including public access, in compliance with the management plan?

Yes = 4, No = 2

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

There were no consensus commendations.

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that the FPS provide better access for the public at this park. (5+, 0-)

Managing Agency Response: South Fork State Park is open to the public seven days a week free of charge. Further information including directions, hours of operation and natural resource facts are available on the website: <https://www.floridastateparks.org/parks-and-trails/beker-south-fork>. Uplands in the park can be accessed by a 2.5 mile hike through FWC’s Moody Branch WEA or SWFWMD’s Little Manatee River South Fork Tract.

2. The team recommends that park staff discuss with DEP/DRP management the need for specific funding, staff and equipment for SFSP. or possibly turning over management to adjacent agencies for better management and access. (5+, 0-)

Managing Agency Response: The Florida Park Service is committed to managing South Fork State Park. Funding is determined annually by the Florida Legislature. This Funding is allocated at the Division and District levels in order to best meet annual operational and resource management needs. Any deemed increase in Division Budget/staffing will follow the established legislative budget request process.

3. The team recommends that park staff provide educational outreach and other interpretation of this park. (5+, 0-)

Table 2: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review	
Natural Communities / Forest Management	3.45	3.52	
Prescribed Fire / Habitat Restoration	2.56	3.11	
Hydrology	2.65	3.18	
Imperiled Species	3.51	3.51	
Exotic / Invasive Species	3.04	2.98	
Cultural Resources	2.78	3.18	
Public Access / Education / Law Enforcement	2.34	2.87	
Infrastructure / Equipment / Staffing	1.35	N/A	
Color Code (See Appendix A for detail)			
Excellent	Above Average	Below Average	Poor

Managing Agency Response: Providing interpretation of the natural and cultural resources is central to the Florida Park Service mission. Park staff work steadfast to achieve this mandate given resources allocated to this Park.

4. The team recommends that staff prioritize getting prescribed fire in the scrub, sandhill, and flatwoods. (5+, 0-)

Managing Agency Response: Every effort to conduct prescribed fire is underway at the park. South Fork State Park consists of 641 fire type acres, of which 188.36 acres are scrub and 21.05 acres are sandhill. The 130.7 acres of mesic flatwoods is primarily an ecotone between the scrub and the bottom land forest, and are managed with the associated xeric communities.

Field Review Details

Field Review Checklist Findings

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

1. Natural communities, specifically baygall.

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. The maintenance condition of the Natural Communities, specifically sandhill, received a below average score. The review team is asked to evaluate, based on their perspective, what percent of the natural community is in maintenance condition. The scores range from 1 to 5, with 1 being 0-20% in maintenance condition, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: The majority of the sandhill community occurs in zones SOF-04A, SOF-04B and SOF-05 all of which received successful prescribed fire in 2010. All these zones are in a restoration phase and require mechanical treatment to reduce the hardwoods and make available the existing fuel for consumption. This all needs to occur before maintenance can be achieved. As of now the Florida Park Service has very little vehicular access to these zones, as there are no public roads that lead to this area of the park, and one must gain permission to traverse private agricultural lands. We will continue to work towards gaining these permissions in order to improve management.

2. Resource Protection, specifically law enforcement presence, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether resources are sufficient to protect the property.

Managing Agency Response: Law enforcement assistance must be obtained through the Florida Fish and Wildlife Conservation Commission's Division of Law Enforcement or from a local law enforcement agency. Park staff will request additional presence to protect resources as necessary.

3. Natural Resources Survey, specifically other non-game species or their habitat monitoring, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether survey and monitoring of the resources or their habitats are sufficient.

Managing Agency Response: DRP's primary inventory and monitoring focuses on species that require special management attention. An all-species inventory generally takes a lower priority to other management needs. DRP actively manages habitats for species richness and the overall health

of the natural community. Costs for future inventory will be included in the unit management plan but can only be allocated as funds become available on a statewide priority needs basis.

4. Cultural Resources (Archaeological & Historic Sites), specifically cultural resource survey, and protection and preservation, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether management of cultural resources is sufficient.

Managing Agency Response: One cultural site is known on the property; the Parrish Mound MA00001. It was excavated by the Smithsonian Institute in 1933. On multiple occasions professional Archaeologists have been unable to find remnants this mound. DRP had an archaeological sensitivity predictive model developed for the park completed in 2014. It established areas of high, medium and low probability of occurrences for archaeological sites. This model predicted 115.61 acres (10.55%) as high sensitivity and 439.64 acres (39.11%) as medium sensitivity. This information will be used to prioritize Level 1 survey work before any land disturbance work and to help direct development away from high probability areas when feasible. Current staffing includes at least two members that are Archaeological Resource Monitor-certified.

5. Resource Management, Prescribed Fire, specifically area being burned, and frequency, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, to what degree prescribed fire is accomplished according to the objectives for prescribed fire management. The scores range from 1 to 5, with 1 being 0-20% accomplished, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: The Florida Park Service will continue to make efforts to improve prescribed fire management, areas being burned as well as fire frequency at South Fork State Park.

6. Non-Native, Invasive & Problem Species, specifically control of plants, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, as well as overall management actions, whether prevention and control are sufficient.

Managing Agency Response: Staff will continue to monitor and remove invasive species from the park. The staff will also continue to seek funding opportunities outside the agency to supplement the ongoing efforts.

7. Surface Water Monitoring, specifically quality and quantity, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether surface water monitoring is sufficient.

Managing Agency Response: Currently USGS has real time flow and level gages upstream and downstream of the park, and DEP monitors water quality upstream of the park quarterly. Staff will request assistance from the Water Management District (or local Water Authority or local County Health Department) to assist the park in regular water quality/quantity monitoring.

8. Resource Protection, specifically signage, and law enforcement presence, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether resources are sufficient to protect the property.

Managing Agency Response: Law enforcement assistance must be obtained through the Florida Fish and Wildlife Conservation Commission's Division of Law Enforcement or from a local law enforcement agency. Park staff will request additional presence to protect resources as necessary. Staff will provide signage as needed to allow for adequate park protection.

9. Adjacent Property Concerns, specifically hydrology of adjacent lands, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether adjacent property concerns are sufficiently addressed.

Managing Agency Response: The Division will address adjacent property concerns, however, park and District staff will need to enlist assistance of the Water Management District to support the park in regular water quality/quantity monitoring.

10. Public Access & Education, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether public access & education are sufficient.

Managing Agency Response: Providing interpretation of the natural and cultural resources is central to the Florida Park Service mission statement; park staff are always working towards this goal.

11. Management Resources, specifically waste disposal, sanitary facilities, buildings, equipment, staff, and funding, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: Division funding is determined annually by the Florida Legislature and funds are allocated to the 175 state parks and trails according to priority needs. No new staff can be assigned to this or any other park unit unless they are appropriated by the Legislature or reassigned from other units

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Natural Resource Survey and Monitoring Resources, specifically other non-game species or their habitat monitoring, received a below average score. This is an indication that the management plan does not sufficiently address survey or monitoring.

Managing Agency Response: Natural Resources Survey and Monitoring Resources including other non-game species or their habitat monitoring, will be more thoroughly addressed in the next plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

2. Resource Management prescribed fire, specifically area being burned, and frequency, received below average scores. This is an indication that the management plan does not sufficiently address prescribed fire needs.

Managing Agency Response: Prescribed fire quality will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

3. Non-native, Invasive & Problem Species, specifically prevention of pests/pathogens, received a below average score. This is an indication that the management plan does not sufficiently address prevention of invasive species.

Managing Agency Response: Non-native, invasive and Problem Species including prevention of pests/pathogens and control of plants and pests/pathogens will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

4. Resource Protection, specifically signage, and law enforcement presence, received below average scores. This is an indication that the management plan does not sufficiently address resource protection.

Managing Agency Response: Additional law enforcement presence will be addressed by the park soliciting the assistance of law enforcement agencies as needed. Resource Protection including boundary survey, gates and fencing, and signage will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

5. Public Access, Environmental Education & Outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts, received below average scores. This is an indication that the management plan does not sufficiently address public access and education.

Managing Agency Response: Environmental Education and Outreach including interpretive facilities and signs will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

Anclote Key Preserve State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 12,177

County: Pasco, Pinellas

Purpose(s) for Acquisition: The State of Florida acquired Anclote Key Preserve State Park to develop, operate, maintain and preserve said property for outdoor recreational, park, conservation and related purposes.

Acquisition Program(s): NA

Original Acquisition Date: 7/1/60

Area Reviewed: Entire Property

Last Management Plan Approval Date: 4/21/14

Review Date: 7/22/22

Agency Manager and Key Staff:

- Donald Bergeron, Manager
- Dan Larremore, Environmental Specialist
- Tracy Muzyczka, DRP District
- Mike Edwards, FFS
- Kawika Bailey, Local Gov't.
- WMD, None
- Dallas Tyson, FWC
- Pam Schrader, Conservation Org.
- Philip Wikerson, DEP District
- Private Land Manager, None

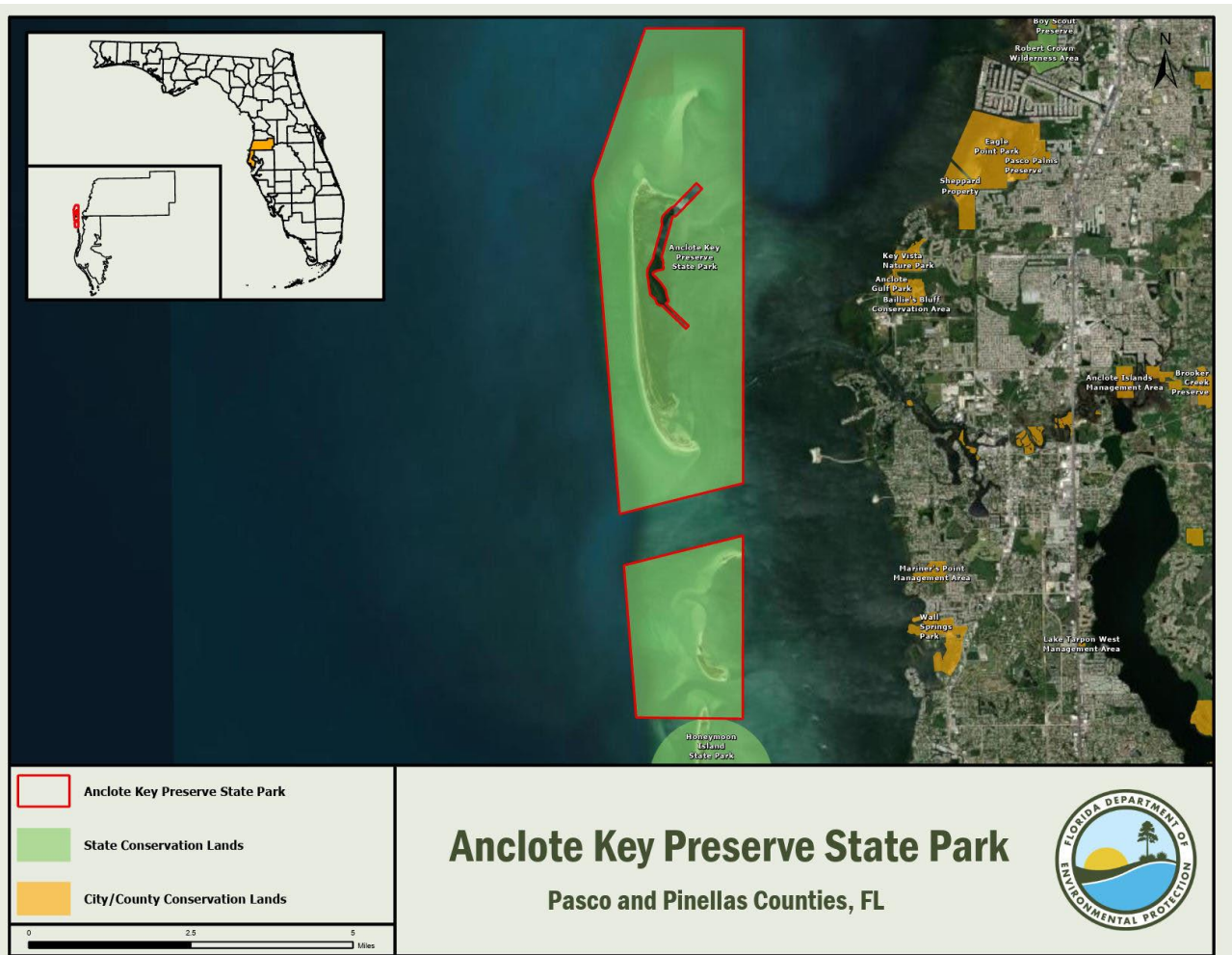
Review Team Members (voting)

- Tracy Muzyczka, DRP District
- Kawika Bailey, Local Gov't.
- Dallas Tyson, FWC
- Philip Wikerson, DEP District

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Randy Runnels, DEP/RCP
- Dave Perkey, FNPS

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 6, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 6, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends Ranger Todd for interpreting the importance of the park's resources while also enforcing the rules, minimizing invasive species impact, and maintaining the facilities. (6+, 0-)
2. The team commends the management and staff for effective use of volunteer programs and community involvement and partnerships for management of this site. (6+, 0-)
3. The team commends the staff for invasive species treatments on the island. (6+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that staff apply prescribed fire on the area as soon as possible, including using partnerships for management of this site. (6+, 0-)

Managing Agency Response: A prescription and plan is in place to implement a quality prescribed fire to management zones including pyric acreage as soon as conditions and resources allow.

2. The team recommends that park staff partnering with Pasco Recreation and Natural Resources on public outreach campaign regarding information about Anclote Key Preserve rules at the Anclote River Park boat ramp. (6+, 0-)

Managing Agency Response: To date, the managing agency has not responded to this recommendation. Staff will reach out to Pasco County Recreation and Natural Resources to develop a public outreach campaign at the Anclote River Park boat ramp.

Table 3: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.74	4.88
Prescribed Fire / Habitat Restoration	2.53	4.83
Hydrology	N/A	N/A
Imperiled Species	4.95	4.92
Exotic / Invasive Species	4.47	4.58
Cultural Resources	4.33	5.00
Public Access / Education / Law Enforcement	4.29	4.89
Infrastructure / Equipment / Staffing	3.43	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, beach dune, coastal strand, maritime hammock, salt marsh, mangrove swamp, seagrass beds, and unconsolidated substrate.**
2. **Listed species, animals and plants in general, and specifically imperiled shorebirds and sea turtles.**
3. **Natural resource survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Forest management, specifically timber inventory.**
6. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals, and prevention of pests and pathogens.**
7. **Resource protection, specifically boundary survey, gates and fencing, and signage.**
8. **Adjacent property concerns, land use, specifically invasives from inholdings, and inholdings and additions.**
9. **Public access, specifically boat access.**
10. **Environmental education and outreach, specifically wildlife, invasive species, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
11. **Management resources, specifically waste disposal, and sanitary facilities.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Resource Management, Prescribed Fire, specifically area being burned, and frequency, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, to what degree prescribed fire is accomplished according to the objectives for prescribed fire management. The scores range from 1 to 5, with 1 being 0-20% accomplished, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: A burn prescription and plan is in place to implement a quality prescribed fire to management zones including pyric acreage as soon as conditions and resources allow.

2. Management Resources, specifically staff, and funding, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: Additional staff can only be assigned to this or other park units if they are appropriated by the Legislature or reassigned from other units. Further, funding is determined annually by the Florida Legislature. This funding is allocated at the Division and District levels in order to best meet annual operational and resource management needs. Any deemed increase in Division Budget/staffing will follow the established legislative budget request process.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

The review team scores did not identify items requiring improvements in the management plan.

Ft. Clinch State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 2,178

County: Nassau

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s):

Original Acquisition Date: 9/20/35

Area Reviewed: Entire Property

Last Management Plan Approval Date: 8/18/17

Review Date: 8/2/22

Agency Manager and Key Staff:

- Heath Alboher, Manager
- Kim Tennille, Assistant Bureau Chief

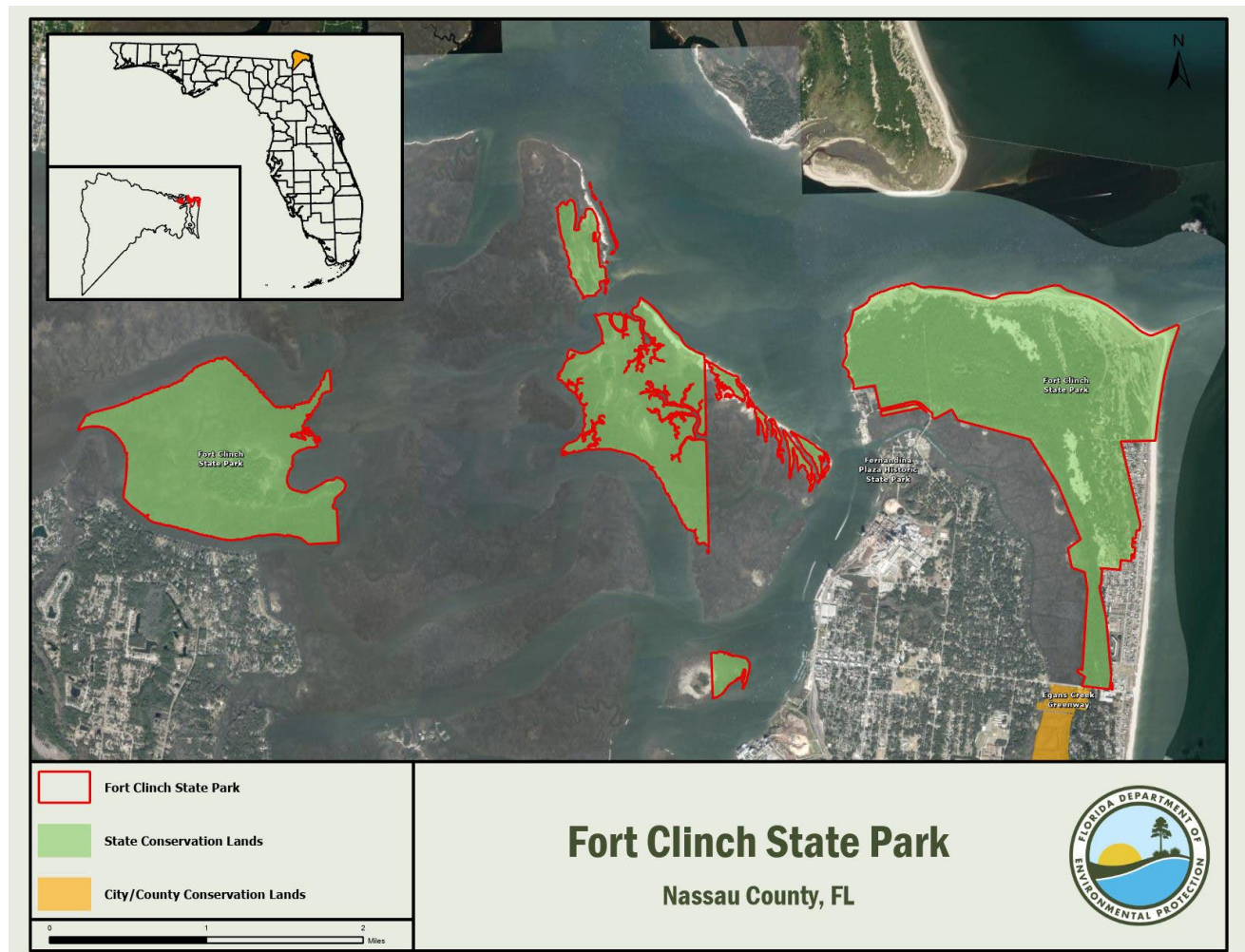
Review Team Members (voting)

- Dan Pearson, DRP District
- Local Gov't., None
- Blair Hayman, FWC
- Keri Armstrong, DEP District
- Shelly Wayte, FFS
- Paul Hudson, SJRWMD
- Betsy Harris, Conservation Org.
- Bill Korn, Private Land Manager

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- James Tomazinis, DEP/RCP

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 7, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 7, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the DRP, park manager, and staff for their ongoing efforts to preserve and interpret the wonderful historical resources at this park. (7+, 0-)
2. The team commends FPS for ongoing efforts of obtaining funding for the restoration of Ft. Clinch and other improvement projects. (7+, 0-)
3. The team commends park staff for working closely with the USACOE and US Navy to facilitate renourishment of the park's shoreline to protect the historic Fort structure. (7+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

There were no consensus recommendations.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically beach dune, coastal grassland, coastal strand, maritime hammock, coastal interdunal swale, salt marsh, salt flat, estuarine unconsolidated substrate, marine unconsolidated substrate.**
2. **Listed species, listed animal and plant species in general, and specifically listed shorebirds spp, sea turtle, shell mound prickly pear.**
3. **Natural resources survey/monitoring resources; specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**

Table 4: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.95	5.00
Prescribed Fire / Habitat Restoration	N/A	N/A
Hydrology	4.40	4.67
Imperiled Species	4.57	4.72
Exotic / Invasive Species	5.00	4.74
Cultural Resources	5.00	5.00
Public Access / Education / Law Enforcement	4.80	4.86
Infrastructure / Equipment / Staffing	4.36	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals, and pests/pathogens.**
6. **Hydro-alteration, specifically roads and culverts, and ditches.**
7. **Ground water monitoring, specifically quality, and quantity.**
8. **Surface water monitoring, specifically quality, and quantity.**
9. **Resource protection, specifically boundary survey, gates and fencing, signage and law enforcement presence.**
10. **Adjacent property concerns, specifically expanding development, and inholdings and additions.**
11. **Public access, specifically roads, and parking.**
12. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
13. **Management resources, specifically waste disposal, sanitary facilities, buildings, equipment, and funding.**
14. **Short-term goals, specifically public access and recreational opportunities, hydrological preservation and restoration, capital facilities and infrastructure, cultural and historical resources, and imperiled species habitat maintenance.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

The review team scores did not identify items requiring improvement actions in the field.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

The review team scores did not identify items requiring improvements in the management plan.

Pumpkin Hill Creek Preserve State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 4,074

County: Duval

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): P2000/CARL

Original Acquisition Date: 8/31/94

Area Reviewed: Entire Property

Last Management Plan Approval Date: 6/9/06

Review Date: 8/3/22

Agency Manager and Key Staff:

- Michelle Waterman, Manager
- John McKenzie, Park Biologist
- Kim Tennille, Assistant Bureau Chief

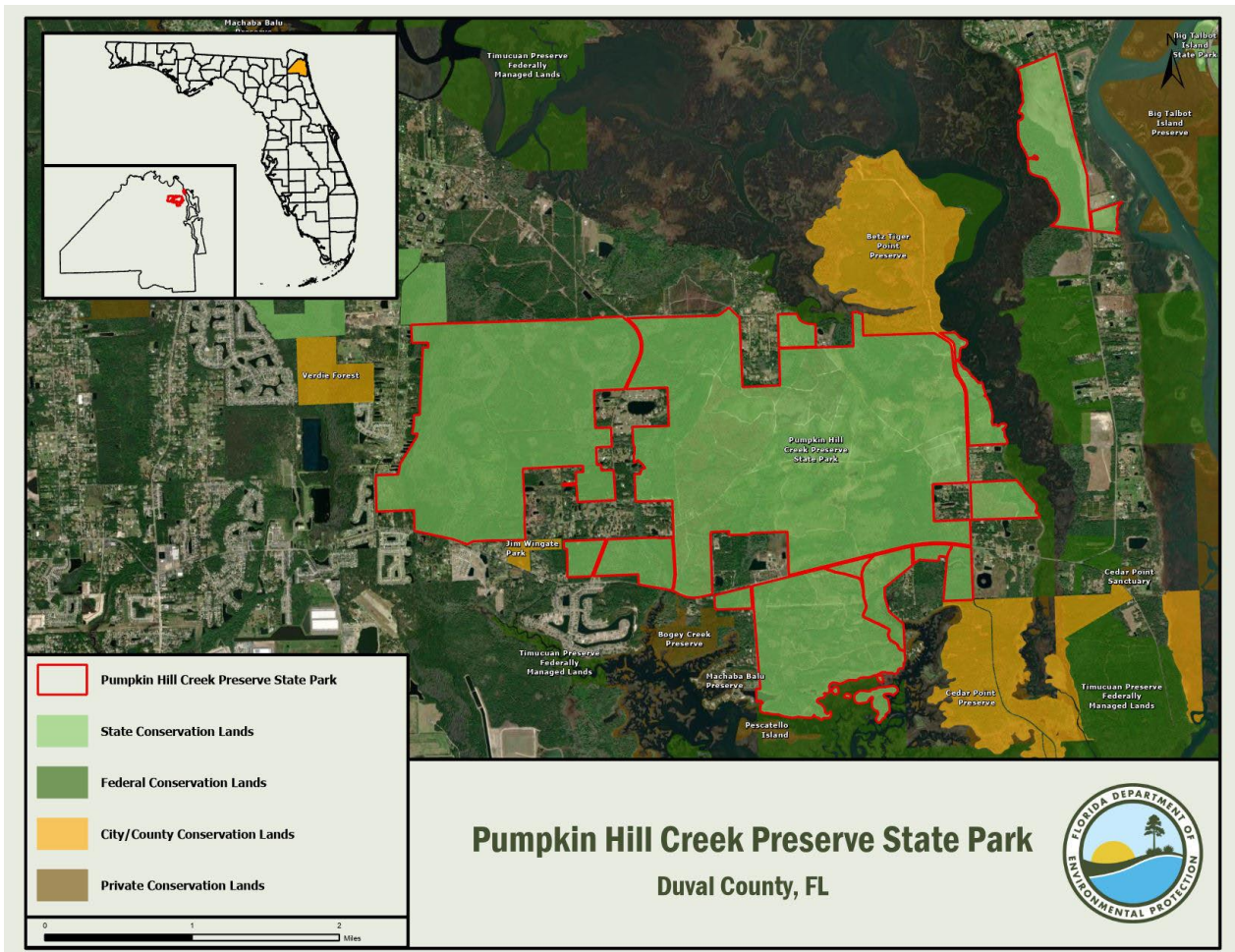
Review Team Members (voting)

- Keith Morin, DRP District
- Jennifer Hinton, Local Gov't.
- Blair Hayman, FWC
- Allison Cala, DEP District
- Shelly Wayte, FFS
- Chris Kinslow, SJRWMD
- Adam Arendell, Conservation Org.
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- James Tomazinis, DEP/RCP

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 7, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 7, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the staff for its intuitive use of prescribed fire in conjunction with mechanical stand improvement to maintain or improve upon the natural communities. (7+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

There were no consensus recommendations.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically shell mound, basin swamp, baygall, bottomland forest, salt marsh, floodplain swamp, hydric hammock, flatwoods/prairie lake, blackwater stream, and maritime hammock.**
2. **Listed species, listed animal and plant species in general.**
3. **Natural resources survey/monitoring resources, specifically fire effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Resource management (prescribed fire), specifically area being burned, frequency, and quality.**
6. **Restoration, specifically scrubby flatwoods.**
7. **Forest Management, specifically timber harvesting, and site preparation.**
8. **Non-native, invasive, and problem species, specifically prevention and control of plants, and animals.**
9. **Hydro-alteration, specifically low water crossings.**
10. **Resource protection, specifically boundary survey, and gates and fencing.**

Table 5: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	3.76	3.03
Prescribed Fire / Habitat Restoration	4.02	2.44
Hydrology	3.85	2.40
Imperiled Species	4.13	3.00
Exotic / Invasive Species	3.92	3.00
Cultural Resources	4.21	3.79
Public Access / Education / Law Enforcement	3.79	3.06
Infrastructure / Equipment / Staffing	4.02	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
	Poor	

- 11. Environmental education and outreach, specifically wildlife, habitat management activities, and recreational opportunities.**
- 12. Management resources, specifically waste disposal, sanitary facilities, buildings, equipment, and funding.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. The maintenance condition of the natural communities, specifically mesic flatwoods, and wet flatwoods, received below average scores. The review team is asked to evaluate, based on their perspective, what percent of the natural community is in maintenance condition. The scores range from 1 to 5, with 1 being 0-20% in maintenance condition, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: Fire frequency and plant species proportions have improved significantly since the previous LMR. DRP acknowledges the need to continue practices such as prescribed burning and reforestation, and to expand these efforts where feasible.

2. Forest management, specifically timber harvesting, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether forest management is sufficient.

Managing Agency Response: The park has benefited from past timber harvesting designed to improve the health of natural communities. Park Service staff will carefully consider future timber harvest efforts that can provide similar benefits where feasible.

3. Management resources, specifically staff, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: The Florida Park Service will consider the need for additional staffing however, Division funding is appropriated annually by the Florida Legislature. This funding is allocated at the Division and District levels in order to best meet annual operational and resource management needs. Any deemed increase in Division Budget/staffing will follow the established legislative budget request process.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Listed species protection and preservation, animals in general, received below average scores. This is an indication that the management plan does not sufficiently address protection and preservation of listed species.

Managing Agency Response: The protection and preservation of listed species, particularly animals, gopher tortoise, wading birds, and rare plants, will be more thoroughly addressed in the next plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

2. Natural resource survey and monitoring resources, specifically listed species or their habitat monitoring, and other habitat management effects monitoring, received below average scores. This is an indication that the management plan does not sufficiently address survey or monitoring.

Managing Agency Response: Natural Resources Survey and Monitoring Resources including other non-game species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring and invasive species survey/monitoring will be more thoroughly addressed in the next plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

3. Resource management prescribed fire, specifically area being burned, and quality, received below average scores. This is an indication that the management plan does not sufficiently address prescribed fire needs.

Managing Agency Response: Prescribed fire planning, quantity, quality, and relationship to the overall restoration of the unit will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

4. Restoration, specifically flatwoods, and scrubby flatwoods, received below average scores. The review team is asked to evaluate, based on their perspective, whether restoration efforts are adequate.

Managing Agency Response: Planned restoration actions to address flatwoods and scrubby flatwoods needs will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

5. Forest management, specifically timber harvesting, and site preparation, received a below average score. This is an indication that the management plan does not sufficiently address forest management.

Managing Agency Response: Timber management will be addressed in the next management plan update. A current timber assessment including target conditions and management recommendations will be included. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C. when it was approved by ARC.

6. Non-native, invasive & problem species, specifically prevention and control of pest/pathogens, received below a average score. This is an indication that the management plan does not sufficiently address prevention of invasive species.

Managing Agency Response: Non-native, invasive and problem species including prevention of pests/pathogens and control of plants and pests/pathogens will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

7. Hydrologic/geologic function, hydro-alteration, specifically roads/culverts, ditches, and low water crossings, received below average scores. This is an indication that the management plan does not sufficiently address hydrologic and geologic function.

Managing Agency Response: Hydrologic/Geologic function, Hydro-Alteration including roads/culverts, ditches and low water crossings will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

8. Ground water monitoring, specifically ground water quality and quantity, received below average scores. This is an indication that the management plan does not sufficiently address ground water quality and quantity.

Managing Agency Response: Ground water monitoring, including quality and quantity will be more thoroughly addressed in the next plan iteration. Details will include monitoring history and DRP cooperation to facilitate access to sites needed for monitoring by other agencies including Water Management District personnel.

9. Surface water monitoring, specifically quantity, received a below average score. This is an indication that the management plan does not sufficiently address surface water monitoring.

Managing Agency Response: Surface water monitoring needs and protocols, including frequency and parameters measured, will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

10. Adjacent property concerns, specifically inholdings and additions, and discussion of potential surplus land determination, received below average scores. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: Adjacent property concerns including discussion of inholdings, additions and potential surplus land determination will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

11. Public access, environmental education & outreach, specifically wildlife, invasive species, habitat management activities, and interpretive facilities and signs, received below average scores. This is an indication that the management plan does not sufficiently address public access and education.

Managing Agency Response: Public access plans, Environmental Education and Outreach including interpretive facilities and signs will be more thoroughly addressed in the next management plan update. DRP strategies to interpret wildlife, invasive species and habitat management goals and techniques will be detailed. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

Cary State Forest

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

Acres: 13,385

County: Duval, Nassau

Purpose(s) for Acquisition: Development and management of a state forest.

Acquisition Program(s): CCC/Florida Forever/SOR

Original Acquisition Date: 7/14/39

Area Reviewed: Entire Property

Last Management Plan Approval Date: 6/28/12

Review Date: 8/5/22

Agency Manager and Key Staff:

- Carlton Scott, Manager
- Andy Lamborn
- Sam Negaran

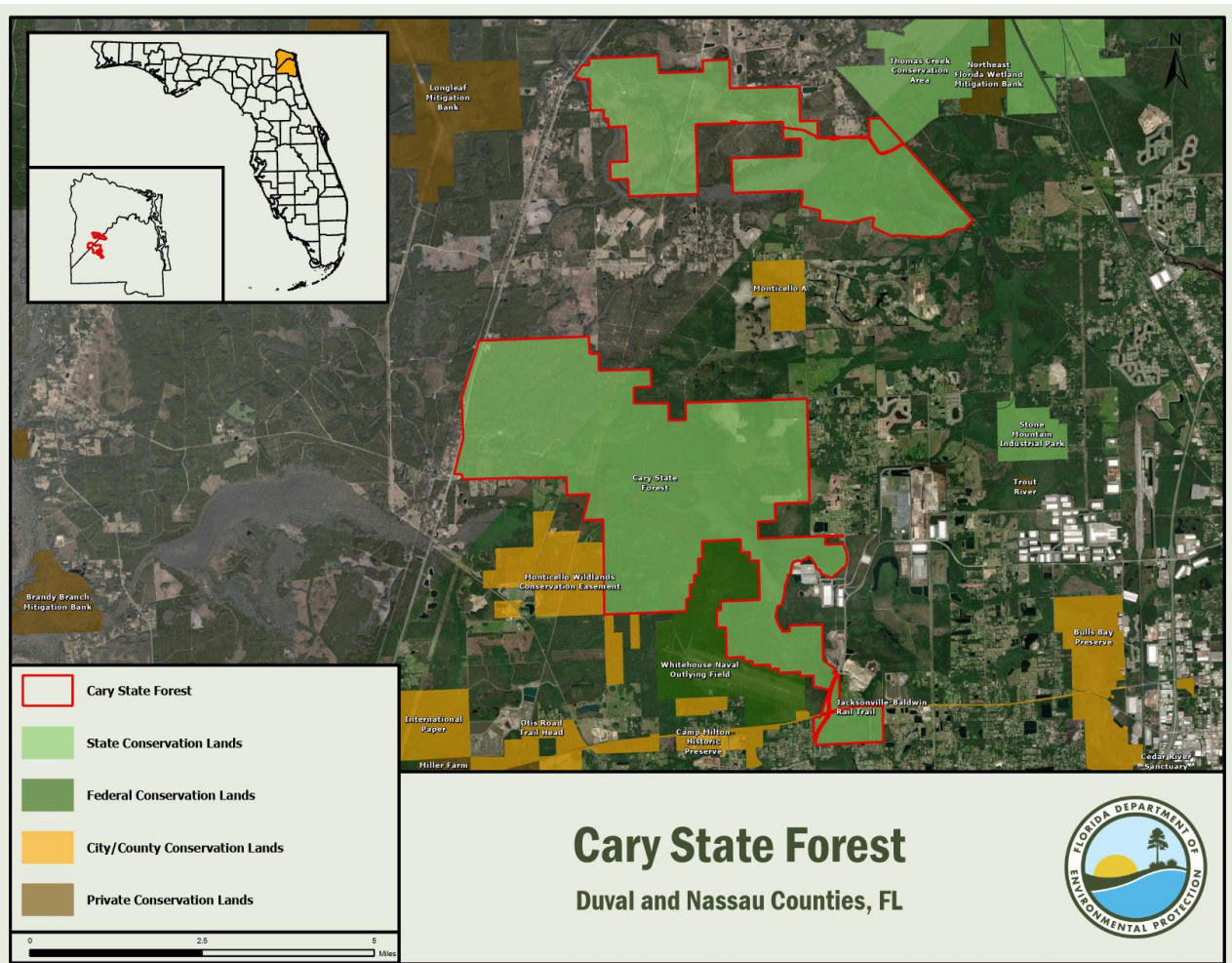
Review Team Members (voting)

- John McKenzie, DRP District
- Local Gov't., None
- Rebecca Doane, FWC
- Caleb Johnson, DEP District
- Shelly Wayte, FFS
- Chris Kinslow, SJRWMD
- George Barbour, Conservation Org.
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 6, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 6, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Forest Service (FFS) staff for expanding recreational opportunities on both the Cary and Thomas Creek tract. (6+, 0-)
2. The team commends staff for ongoing mechanical efforts to mitigate associated concerns with prescription burning along the smoke sensitive corridors. (6+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that the parking area on Thomas Road be closed due to low usage and damage to natural resources. (6+, 0-)

Managing Agency Response: The parking area on Acree Road will be closed to vehicular traffic. The gate and road will be opened during hunting season to allow limited vehicular traffic for quota hunters only. The Florida Forest Service will retain the option of re-opening this parking site in the future as population growth in surrounding areas increase demand for appropriate, non-destructive recreational opportunities.

Table 6: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.81	4.80
Prescribed Fire / Habitat Restoration	4.65	4.56
Hydrology	4.31	4.19
Imperiled Species	4.96	4.48
Exotic / Invasive Species	4.44	4.33
Cultural Resources	4.42	4.42
Public Access / Education / Law Enforcement	4.69	4.58
Infrastructure / Equipment / Staffing	4.28	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically mesic flatwoods, basin swamp, wet flatwoods, sandhill, bottomland forest, baygall, floodplain swamp, depression marsh, and basin marsh.**

2. **Listed species, listed animal and plant species in general, and specifically night flowering petunia, and many flowered orchid.**
3. **Natural resources survey/monitoring resources; specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Prescribed fire, specifically area being burned, frequency and quality.**
6. **Restoration, specifically degraded sandhill, basin swamp.**
7. **Forest management, specifically timber inventory, timber harvesting, reforestation/afforestation and site preparation.**
8. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals, and pests/pathogens.**
9. **Hydro-alteration, specifically roads and culverts, and ditches.**
10. **Ground water monitoring, specifically quality and quantity.**
11. **Surface water monitoring, specifically quality and quantity.**
12. **Resource protection, specifically boundary survey, gates and fencing, signage and law enforcement presence.**
13. **Adjacent property concerns, specifically expanding development, and inholdings and additions.**
14. **Public access, specifically parking, and roads.**
15. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
16. **Management resources, specifically waste disposal, sanitary facilities, buildings, and equipment.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

The review team scores did not identify items requiring improvement actions in the field.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Natural Communities, specifically blackwater stream, received a below average score. This is an indication that the management plan does not sufficiently address current or desired condition and/or future management actions to protect or restore.

Managing Agency Response: The Florida Natural Areas Inventory (FNAI) completed a natural community mapping and description project on Cary State Forest in 2010 and 2019. Blackwater stream was not included as a recognized and delineated FNAI community type in the final report of natural community descriptions on CSF in either survey so it was not included in the Cary State Forest 10 year Land Management Plan.

San Felasco Hammock Preserve State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 7,358

County: Alachua

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): P2000/CARL

Original Acquisition Date: 8/31/74

Area Reviewed: Entire Property

Last Management Plan Approval Date: 6/14/19

Review Date: 8/23/22

Agency Manager and Key Staff:

- Heather Goston, Manager
- Laura Suthar, Park Service Specialist

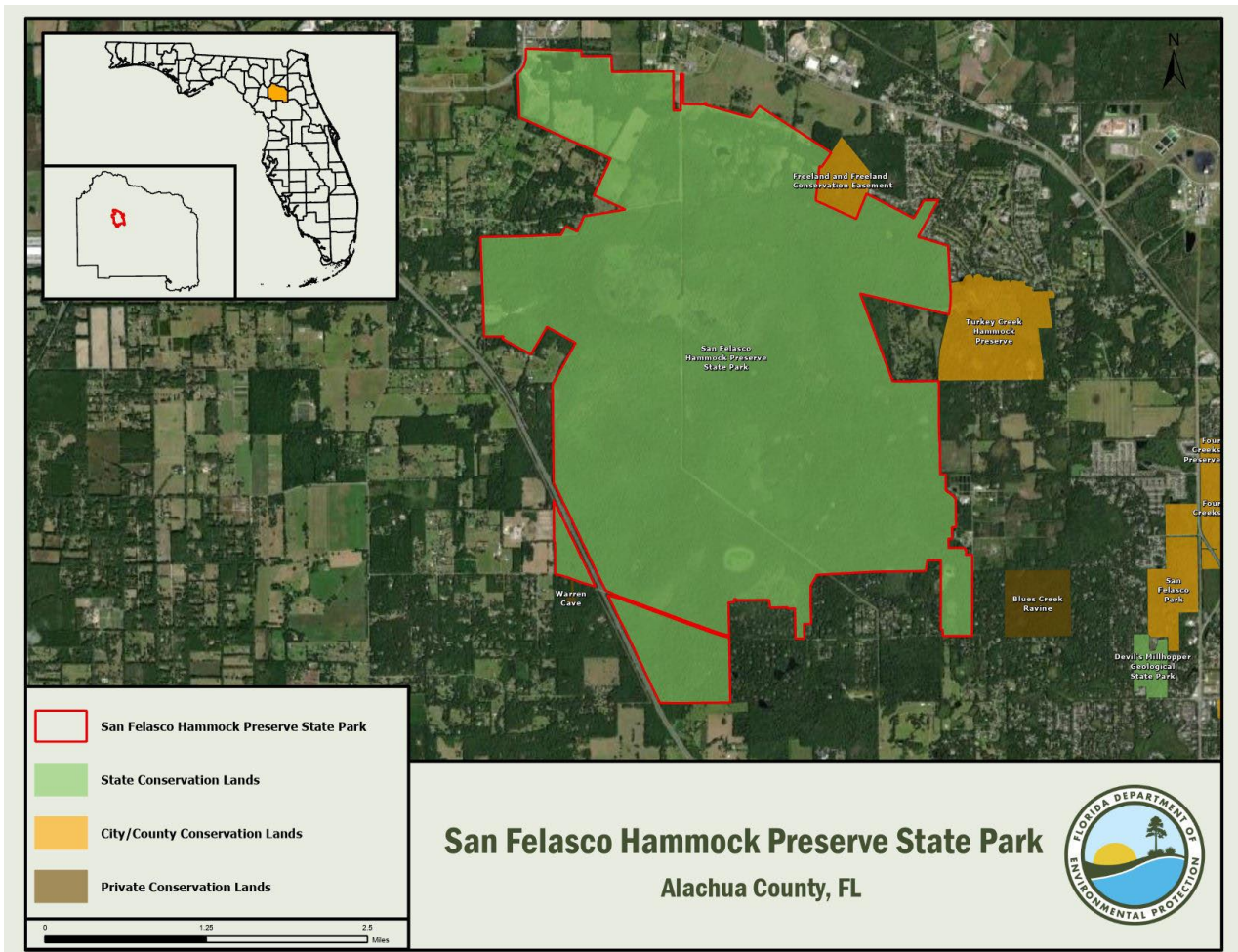
Review Team Members (voting)

- Dan Pearson, DRP District
- Wesley Wells, Local Gov't.
- Ginger Feagle, FWC
- Carmine Oliverio, DEP District
- Shelly Wayte, FFS
- WMD, None
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Jesse Natwick, Alachua County
- Danielle Drumheller, FWC

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the use of mechanical activities for stand improvement/hardwood reduction to improve groundcover and prescription burning opportunities. (5+, 0-)
2. The team commends the staff for their accommodations and management of a diverse set of user groups while limiting resource impacts. (5+, 0-)
3. The team commends park staff for successful use of FWC Invasive Plant Treatment funding and internal funding to control invasive plants. (5+, 0-)
4. The team commends the staff for continual efforts to remove hogs, especially from ecologically sensitive areas. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that road access to the northeast portion of the state park be improved. (5+, 0-)

Managing Agency Response: The park will continue to work on improving road access for resource management activities.

2. The team recommends harvesting of non-site specific pine species in upland pines and upland mixed woodlands to promote longleaf restoration, reduce potential beetle infestation and reach FNAI desired future conditions, where appropriate. (5+, 0-)

Managing Agency Response: The park will continue to work towards timber harvesting and the planting of longleaf pine in an effort to recover and restore to the desired condition.

Table 7: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.40	4.70
Prescribed Fire / Habitat Restoration	4.05	4.72
Hydrology	4.88	4.86
Imperiled Species	4.53	4.87
Exotic / Invasive Species	4.60	4.67
Cultural Resources	4.40	4.80
Public Access / Education / Law Enforcement	4.63	4.66
Infrastructure / Equipment / Staffing	4.60	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically limestone outcrop, mesic flatwoods, mesic hammock, sandhill, sinkhole, upland hardwood forest, alluvial forest, basin marsh, basin swamp, baygall, bottomland forest, depression marsh, dome swamp, floodplain marsh, floodplain swamp, clastic upland lake, marsh lake, sandhill upland lake, sinkhole lake, swamp lake, blackwater stream, seepage stream, aquatic and terrestrial cave.**
2. **Listed species, listed animal and plant species in general, and specifically gopher tortoise.**
3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Resource management (prescribed fire), specifically area being burned, frequency, and quality.**
6. **Restoration, specifically upland pine restoration.**
7. **Forest Management, specifically timber inventory.**
8. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals, and pests/pathogens.**
9. **Hydro-alteration, specifically roads and culverts, ditches, hydro-period alteration, water level alteration, and dams, reservoirs or other impoundments.**
10. **Ground water monitoring, specifically quality, and quantity.**
11. **Surface water monitoring, specifically quality, and quantity.**
12. **Resource protection, specifically boundary survey, and gates and fencing, signage, and law enforcement presence.**
13. **Public access, specifically roads, and parking.**
14. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
15. **Management resources, specifically waste disposal, sanitary facilities, buildings, equipment, staff, and funding.**
16. **Short-term goals, specifically exotic and invasive species maintenance and control, cultural and historical resources, and imperiled species habitat maintenance.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

The review team scores did not identify items requiring improvement actions in the field.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average). Please note that

overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

The review team scores did not identify items requiring improvements in the management plan.

O'Leno/River Rise State Parks

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 6,196

County: Alachua

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): EEL, CARL/P2000

Original Acquisition Date:

Area Reviewed: Entire Property

Last Management Plan Approval Date: 10/20/17

Review Date: 8/24/22

Agency Manager and Key Staff:

- Dennis Parson, Manager

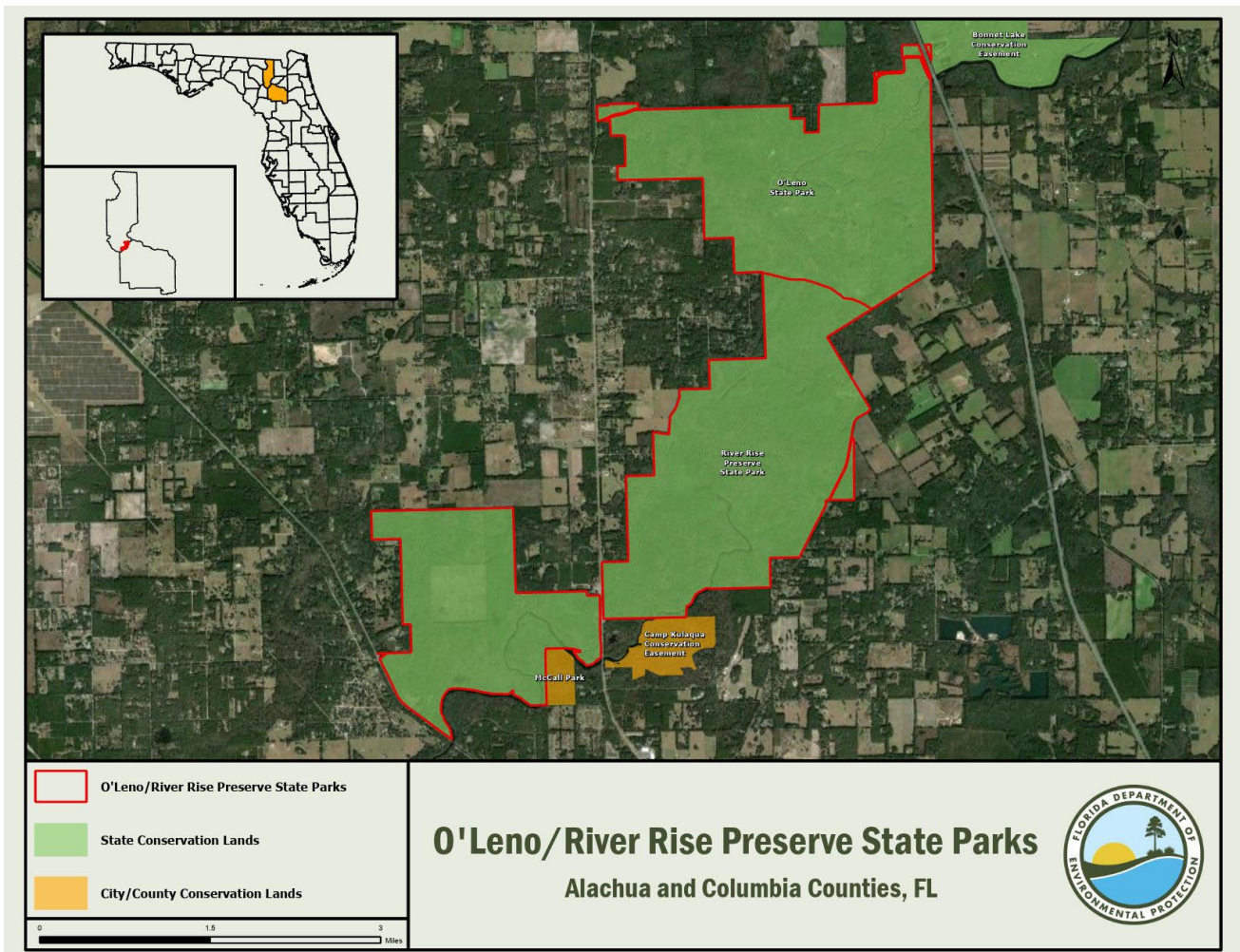
Review Team Members (voting)

- Anne Barkdoll, DRP District
- David Hoyt, Local Gov't.
- Danielle Drumheller, FWC
- Jason Neumann, DEP District
- Shelly Wayte, FFS
- WMD, None
- Grace Howell, Conservation Org.
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Katrina Koning, FFS

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 6, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 6, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Park Service for the work to acquire a number of important inholdings that are ecologically and culturally significant to the Santa Fe River basin. (5+, 0-)
2. The team commends the staff for their attention to seasonality and use of wind direction to improve quality of prescription burning. (5+, 0-)
3. The team commends staff on their care of their historic structures and archaeological sites. (5+, 0-)
4. The team commends the staff on their work with researchers and the water management district to continue their understanding and protection of the Santa Fe River and hydrology on the two state parks. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends improving return intervals in pyrogenic community types. (5+, 0-)

Managing Agency Response: The next unit management plan will address ways to improve the fire return interval in fire type natural communities.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically limestone outcrop, mesic flatwoods, mesic hammock, sandhill, sinkhole, upland hardwood forest, xeric hammock, alluvial forest, basin swamp, bottomland forest, depression marsh, dome swamp, floodplain swamp, sinkhole lake, swamp lake, and blackwater stream.**
2. **Listed species, listed animal and plant species in general.**

Table 8: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.35	4.50
Prescribed Fire / Habitat Restoration	3.90	4.64
Hydrology	4.69	4.69
Imperiled Species	4.50	4.83
Exotic / Invasive Species	4.72	4.58
Cultural Resources	4.92	5.00
Public Access / Education / Law Enforcement	4.65	4.79
Infrastructure / Equipment / Staffing	4.28	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
	Poor	

3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Resource management (prescribed fire), specifically quality.**
6. **Forest Management, specifically timber inventory.**
7. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals, and pests/pathogens.**
8. **Hydro-alteration, specifically roads and culverts, and ditches.**
9. **Ground water monitoring, specifically quality, and quantity.**
10. **Surface water monitoring, specifically quality, and quantity.**
11. **Resource protection, specifically boundary survey, and gates and fencing, signage, and law enforcement presence.**
12. **Adjacent property concerns, land use, specifically expanding development, and inholdings and additions.**
13. **Public access, specifically roads, parking, and boat access.**
14. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
15. **Management resources, specifically waste disposal, sanitary facilities, buildings, equipment, staff, and funding.**
16. **Short-term goals, specifically habitat restoration and improvement, public access and recreational opportunities, hydrological preservation and restoration, cultural and historical resources, and imperiled species habitat maintenance.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

The review team scores did not identify items requiring improvement actions in the field.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

The review team scores did not identify items requiring improvements in the management plan.

Ichetucknee Springs State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 2,518

County: Columbia, Suwannee

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): EEL, CARL/P2000

Original Acquisition Date:

Area Reviewed: Entire Property

Last Management Plan Approval Date: 4/9/21

Review Date: 8/26/22

Agency Manager and Key Staff:

- Ray Semanchik, Manager
- Sam Cole, Park Biologist

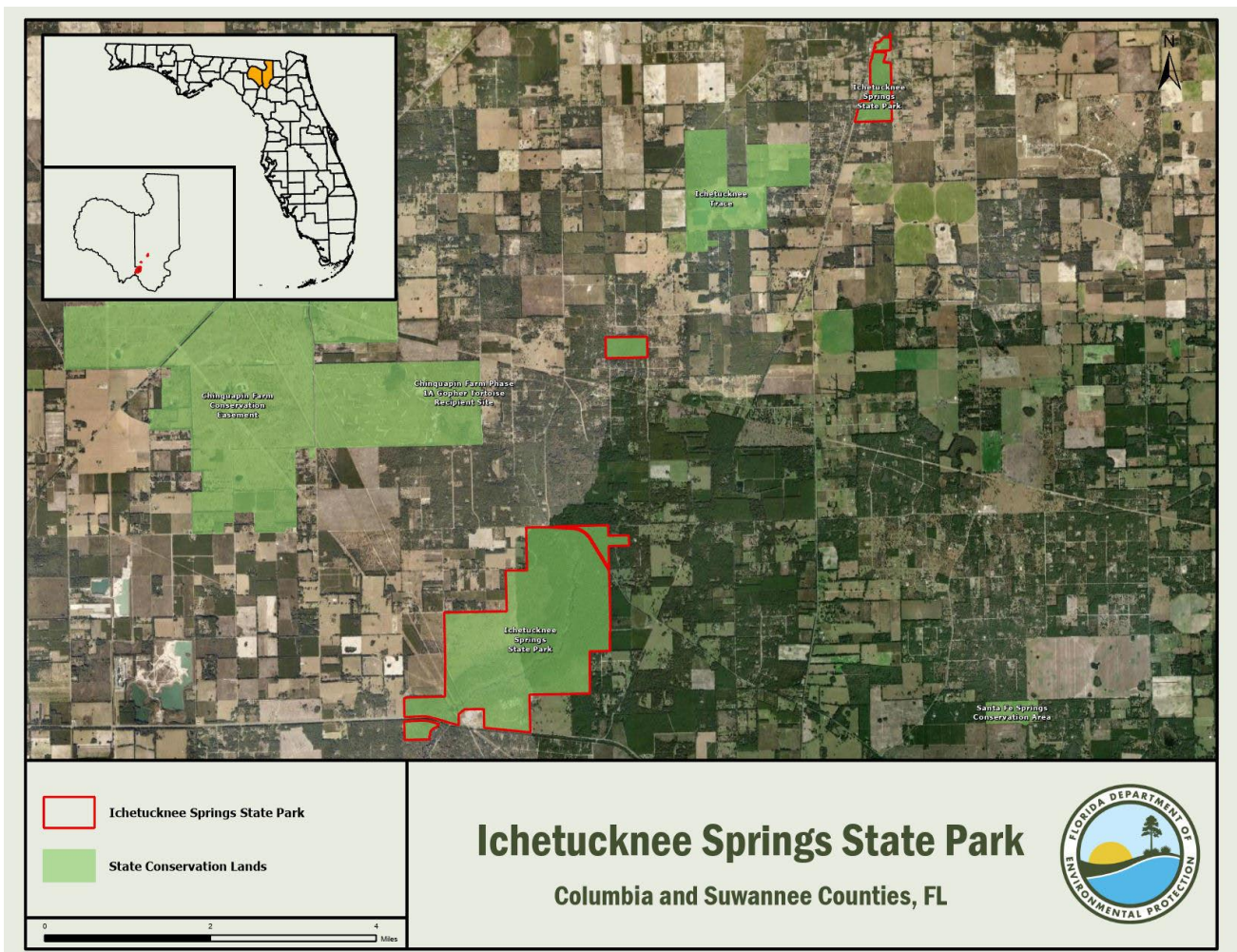
Review Team Members (voting)

- Rick Owen, DRP District
- Local Gov't., None
- Ginger Feagle, FWC
- Carmine Oliverio, DEP District
- Shelly Wayte, FFS
- Edwin McCook, SRWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Danielle Drumheller, FWC

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends staff for alterations to access to improve the visitor experience at the north end of the park, while also enhancing the ecological benefit of the vegetation. (5+, 0-)
2. The team commends the staff for their proactive approach to SAV preservation via recreation management & SAV restoration by the way of pilot studies, monitoring, and collaboration with other agencies. (5+, 0-)
3. The team commends park staff for encouraging increased visitation to educational center and providing interpretive activities. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that staff apply prescription burning of sandhill communities to optimize seedling regeneration and when necessary utilize supplemental planting in order to increase longleaf pine trees per acre to better meet standards of FNAI desired future condition. (5+, 0-)

Managing Agency Response: Agree, within fire dependent uplands DRP recognizes the importance of long leaf pine seedling regeneration, uneven pine age-class and will strive to attain a desired future condition as detailed in the park management plan for these natural communities.

2. The team recommends continued efforts for mechanical removal of hardwoods along edges of sandhill and upland mixed hardwood. (5+, 0-)

Managing Agency Response: DRP will continue to restore uplands that have been fire suppressed, especially sandhill and upland mixed woodland, using multiple methods including mechanical, chemical and prescribed fire.

3. The team recommends additional staff time dedicated to removal of nuisance water lettuce. (5+, 0-)

Table 9: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.33	4.57
Prescribed Fire / Habitat Restoration	3.90	4.71
Hydrology	4.73	4.87
Imperiled Species	4.60	4.61
Exotic / Invasive Species	4.37	4.67
Cultural Resources	4.88	5.00
Public Access / Education / Law Enforcement	4.70	4.73
Infrastructure / Equipment / Staffing	4.33	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
	Poor	

Managing Agency Response: DRP recognizes the importance of removing nuisance water lettuce (i.e., Florida Invasive Species Council, Category I species) from strategic river locations and will prioritize time, effort and use of multiple resources to reduce the threat of this species within the Ichetucknee springs and spring runs.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically mesic hammock, sandhill, sinkhole / sinkhole lake, upland hardwood forest, dome swamp, alluvial forest, floodplain marsh, floodplain swamp, blackwater stream, spring-run stream, aquatic cave.**
2. **Listed species, listed animal and plant species in general, and specifically gopher tortoise, Southeastern American kestrel, Ichetucknee siltsnail, and manatee.**
3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Resource management (prescribed fire), specifically quality.**
6. **Restoration, specifically submerged aquatic vegetation restoration.**
7. **Forest Management, specifically timber inventory and timber harvesting.**
8. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals, and pests/pathogens.**
9. **Hydro-alteration, specifically roads and culverts.**
10. **Ground water monitoring, specifically quality, and quantity.**
11. **Surface water monitoring, specifically quality, and quantity.**
12. **Resource protection, specifically boundary survey, and gates and fencing, signage, and law enforcement presence.**
13. **Adjacent property concerns, land use, specifically expanding development, groundwater impacts, and inholdings and additions.**
14. **Public access, specifically roads, and parking.**
15. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
16. **Management resources, specifically waste disposal, sanitary facilities, buildings, equipment, staff, and funding.**
17. **Short-term goals, specifically habitat restoration and improvement, public access and recreational opportunities, hydrological preservation and restoration, exotic and invasive species maintenance and control, capital facilities and infrastructure, cultural and historical resources, and imperiled species habitat maintenance.**

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 3.0 score on average). Please note that

overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

The review team scores did not identify items requiring improvement actions in the field.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

The review team scores did not identify items requiring improvements in the management plan.

L. Kirk Edwards Wildlife and Environmental Area

Managed by: Florida Fish and Wildlife Conservation Commission

Acres: 1,751.66

County: Leon

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): Donation/Florida Forever

Original Acquisition Date: 12/27/77

Area Reviewed: Entire Property

Last Management Plan Approval Date: 12/11/20

Review Date: 9/12/22

Agency Manager and Key Staff Present:

- Morgan Wilbur, Lead Biologist
- Joe Davis, FWC Biologist
- Amanda M. Smith, FWC Biologist
- Clint Peters, FWC
- Philip Schulte, FWC

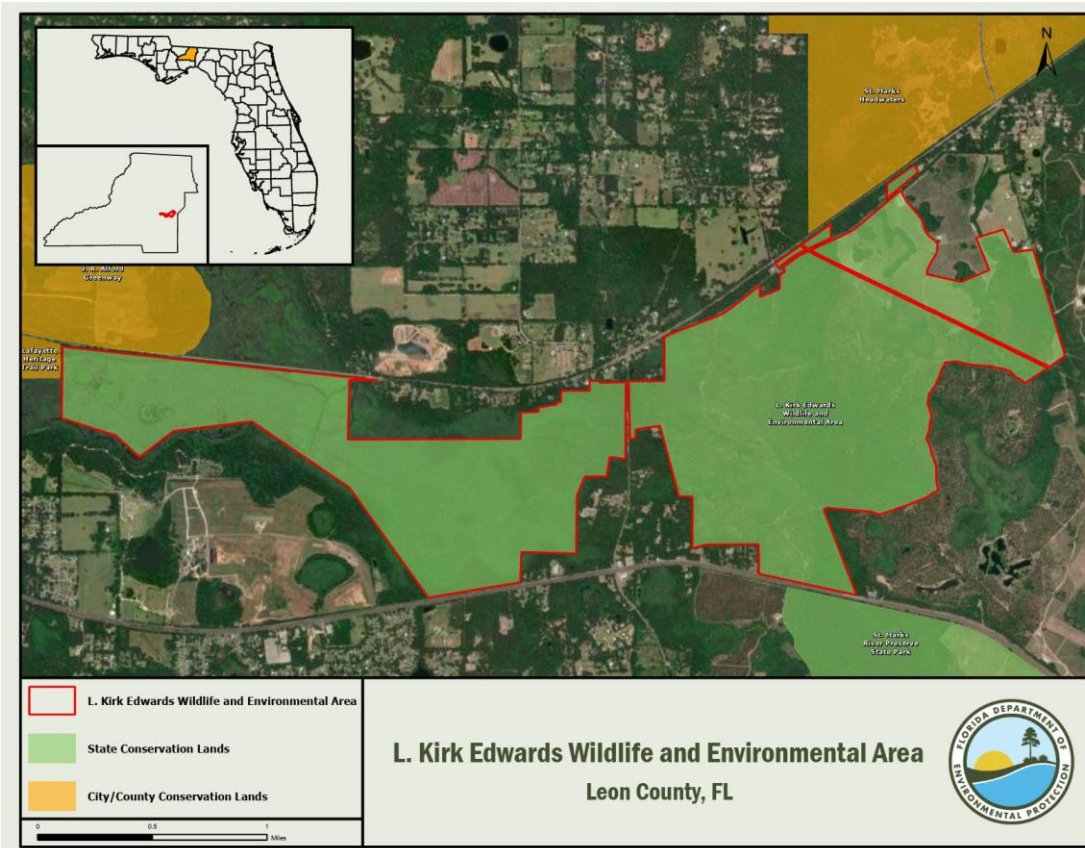
Review Team Members Present (voting)

- Conservation Org, None
- Diana Pepe, FWC
- Private Land Mgr, None
- Sherry Carpenter, Local Gov't.
- Jason Love, FFS
- Mark Gillman, DEP District
- India Hodges, DRP District
- Coakley Taylor, NFWFMD

Other Non-Team Members Present (attending)

- James Parker, DEP/DSL
- John Kunzer, FWC/IPM
- Nelson Ball, DEP/DSL
- Caitlin Snyder, FDEP/ORCP

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 6, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 6, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Fish and Wildlife Conservation Commission (FWC) for continuing to implement the prescribed fire program towards habitat and maintenance restoration. (+6, 0-)
2. The team commends FWC for their native groundwater restoration work. (+6, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

There were no consensus recommendations.

Field Review Details

Field Review Checklist Findings

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

1. Natural communities, specifically basin marsh, basin swamp, bottomland forest, upland hardwood forest, upland pine, depression marsh, dome swamp, floodplain swamp, mesic hammock, wet flatwoods, and sinkhole.
2. Listed species, listed animal and plant species in general, and specifically the wood stork and gopher tortoise.
3. Natural resources survey/monitoring resources; specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.
4. Cultural resources, specifically cultural resource survey, and protection and preservation.
5. Prescribed fire, specifically area being burned, frequency and quality.
6. Restoration, specifically upland pine forest restoration.

Table 10: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.84	4.55
Prescribed Fire / Habitat Restoration	5.00	4.67
Hydrology	4.44	4.44
Imperiled Species	4.79	4.58
Exotic / Invasive Species	4.58	4.22
Cultural Resources	4.83	4.33
Public Access / Education / Law Enforcement	4.74	4.44
Infrastructure / Equipment / Staffing	4.58	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

7. **Forest management, specifically timber inventory, timber harvesting, reforestation/afforestation and site preparation.**
8. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals, and pests/pathogens.**
9. **Hydro-alteration, specifically roads and culverts.**
10. **Ground water monitoring, specifically quality and quantity.**
11. **Surface water monitoring, specifically quality and quantity.**
12. **Resource protection, specifically boundary survey, gates and fencing, signage and law enforcement presence.**
13. **Adjacent property concerns, specifically expanding development, and inholdings and additions.**
14. **Public access, specifically roads and parking.**
15. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
16. **Management resources, specifically waste disposal, equipment, staff, and funding.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

The review team scores did not identify items requiring improvement actions in the field.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below

The review team scores did not identify items requiring improvements in the management plan.

Indian Lake State Forest

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

Acres: 4,461

County: Marion

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): Florida Forever

Area Reviewed: Entire Property

Original Acquisition Date: 7/25/07

Last Management Plan Approval Date: 2/14/11

Review Date: 9/13/22

Agency Manager and Key Staff:

- Justin Kilcrease, Manager
- Charlie Pedersen
- Terry Sheehan

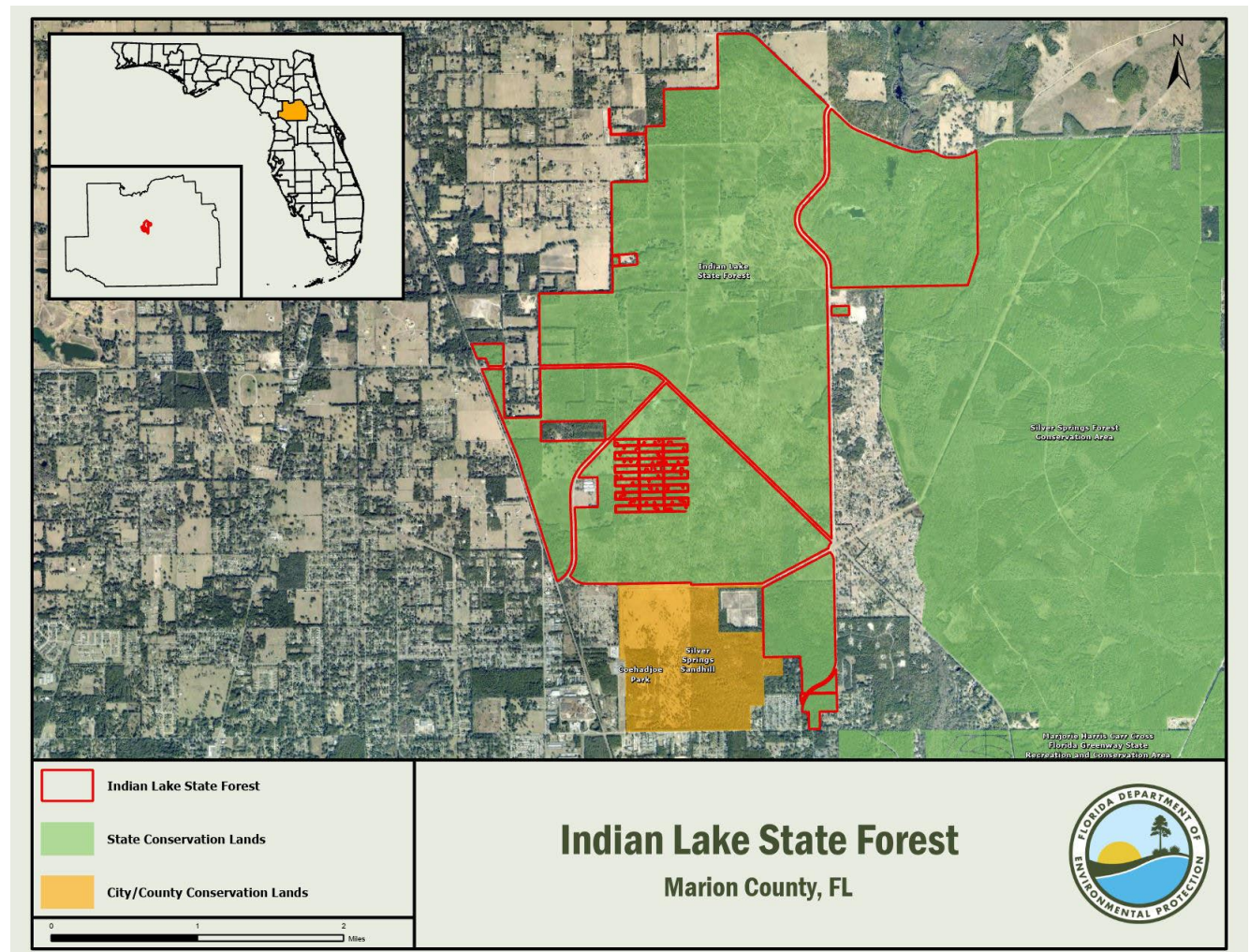
Review Team Members (voting)

- Laurie Dolan, DRP District
- Jim Couillard, Local Gov't.
- Aaron Johnson, FWC
- Charlie Nolan, DEP District
- Jason Love, FFS
- Amy Copeland, SJRWMD
- Michael Bubb, Conservation Org.
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 7, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 7, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Forest Service (FFS) for their prescribed burning program in the sandhill communities. (7+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

There were no consensus recommendations.

Field Review Details

Field Review Checklist Findings

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

1. Natural communities, specifically sandhill, mesic hammock, baygall, basin marsh, basin swamp, sinkhole lake, depression marsh, sinkhole, and xeric hammock.
2. Natural resources survey/monitoring resources; specifically fire effects monitoring, and invasive species survey and monitoring.
3. Cultural resources, specifically cultural resource survey, and protection and preservation.
4. Prescribed fire, specifically area being burned, frequency and quality.
5. Restoration, specifically sandhill restoration.
6. Forest management, specifically timber inventory, timber harvesting, reforestation/afforestation and site preparation.
7. Non-native, invasive, and problem species, specifically prevention of animals, and control of plants.
8. Ground water monitoring, specifically quality.
9. Resource protection, specifically boundary survey, gates and fencing, and signage.
10. Adjacent property concerns, specifically inholdings and additions.

Table 11: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.44	4.46
Prescribed Fire / Habitat Restoration	4.29	4.45
Hydrology	3.90	3.90
Imperiled Species	3.86	3.93
Exotic / Invasive Species	3.90	3.90
Cultural Resources	4.29	4.21
Public Access / Education / Law Enforcement	4.09	4.17
Infrastructure / Equipment / Staffing	4.22	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

- 11. Public access, specifically parking.**
- 12. Environmental education and outreach, specifically wildlife, habitat management activities, recreational opportunities, and management of visitor impacts.**
- 13. Management resources, specifically waste disposal, sanitary facilities, buildings, and equipment.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

The review team scores did not identify items requiring improvement actions in the field.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

The review team scores did not identify items requiring improvements in the management plan.

Charles H. Bronson State Forest

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

Acres: 11,603

County: Seminole, Orange

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): Florida Forever

Area Reviewed: Entire Property

Original Acquisition Date: 10/07/08

Last Management Plan Approval Date: 8/13/21

Review Date: 9/15/22

Agency Manager and Key Staff:

- Stephen Stipkovits, Manager
- Wil Kitchings

- Mike Facente

Review Team Members (voting)

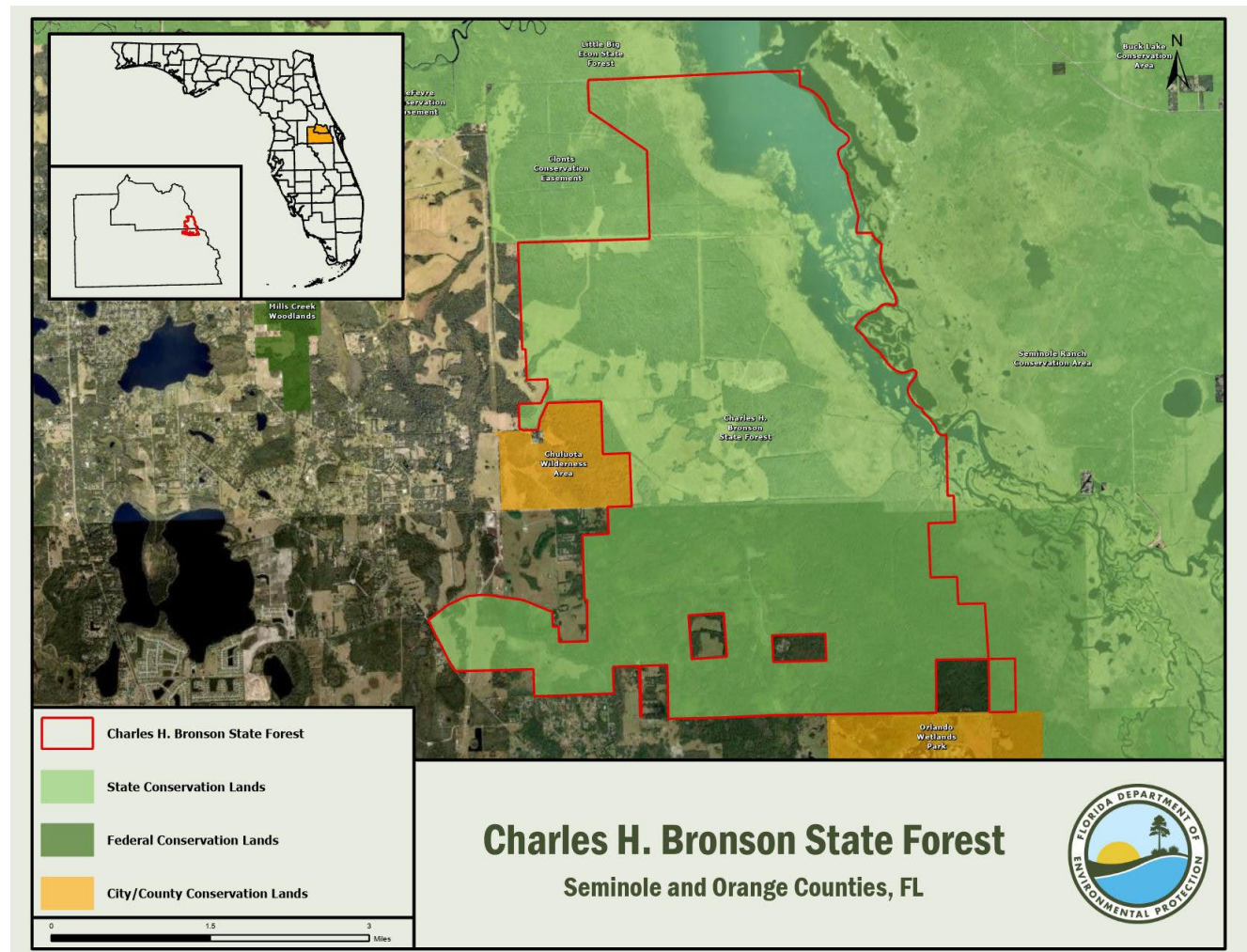
- Paul Lammardo, DRP District
- Local Gov't., None
- David Turner, FWC
- Travis Burch, DEP District

- Jason Love, FFS
- Katrina Noland, SJRWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Forest Service (FFS) for their efforts improve hydrology on the area thru cooperative restoration projects like the Turkey Creek historic flowway project. (5+, 0-)
2. The team commends the FFS for continued efforts to identify and protect the cultural resources on the area. (5+, 0-)
3. The team commends the FFS for continued efforts to keep prescribed fire on the flatwoods on the area. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that the FFS establish permanent photopoints for monitoring management effects over time. (5+, 0-)

Managing Agency Response: Presently, staff at Charles H. Bronson utilize photographs to document conditions of significant operations before, during, and after completion. Moving forward, the Florida Forest Service will work to incorporate a suite of permanent photopoints on the forest in appropriate locations. Photohistory data methods will follow the guidelines in Chapter 4 of the State Forest Handbook.

Field Review Details

Field Review Checklist Findings

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

Table 12: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.81	4.87
Prescribed Fire / Habitat Restoration	5.00	4.90
Hydrology	3.80	4.10
Imperiled Species	3.90	4.00
Exotic / Invasive Species	3.90	4.23
Cultural Resources	4.70	4.80
Public Access / Education / Law Enforcement	4.45	4.44
Infrastructure / Equipment / Staffing	3.03	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

1. **Natural communities, specifically hydric hammock, mesic flatwoods, wet flatwoods, depression marsh, baygall, basin marsh, floodplain marsh, scrubby flatwoods, dome swamp, basin swamp, mesic hammock, and blackwater stream.**
2. **Listed species, animals in general.**
3. **Natural resources survey/monitoring resources, specifically fire effects monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Prescribed fire, specifically area being burned, frequency and quality.**
6. **Restoration, specifically hydrological restoration.**
7. **Forest management, specifically timber inventory.**
8. **Non-native, invasive, and problem species, specifically prevention of plants, control of animals, and prevention and control of pests/pathogens.**
9. **Hydrologic/geologic function hydro-alteration, specifically roads/culverts, ditches, hydro-period alteration.**
10. **Resource protection, specifically boundary survey, gates and fencing, and signage.**
11. **Adjacent property concerns, specifically expanding development, and inholdings and additions.**
12. **Public access, specifically roads and parking.**
13. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
14. **Short-term goals, specifically public access and recreational opportunities, and hydrological preservation and restoration.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Natural Resources Survey, specifically other non-game species or their habitat monitoring, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether survey and monitoring of the resources or their habitats are sufficient.

Managing Agency Response: Over this ten-year period, the Florida Forest Service will request assistance from the Florida Fish and Wildlife Conservation Commission to develop and implement a wildlife management strategy addressing the wildlife species for CHBSF, with emphasis on imperiled species and associated management prescriptions for their habitats.

2. Management Resources, specifically staff and funding, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: The Florida Forest Service will continue to seek additional funding and career service positions for the Charles H. Bronson State Forest as appropriate and as agency priorities dictate.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that

overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

The review team scores did not identify items requiring improvements in the management plan.

Tarkiln Bayou Preserve State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 4,470

County: Escambia

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): P2000/CARL/Florida Forever

Original Acquisition Date: 4/13/98

Area Reviewed: Entire Property

Last Management Plan Approval Date: 12/14/18

Review Date: 10/4/22

Agency Manager and Key Staff:

- Kiersten Wilson, Manager

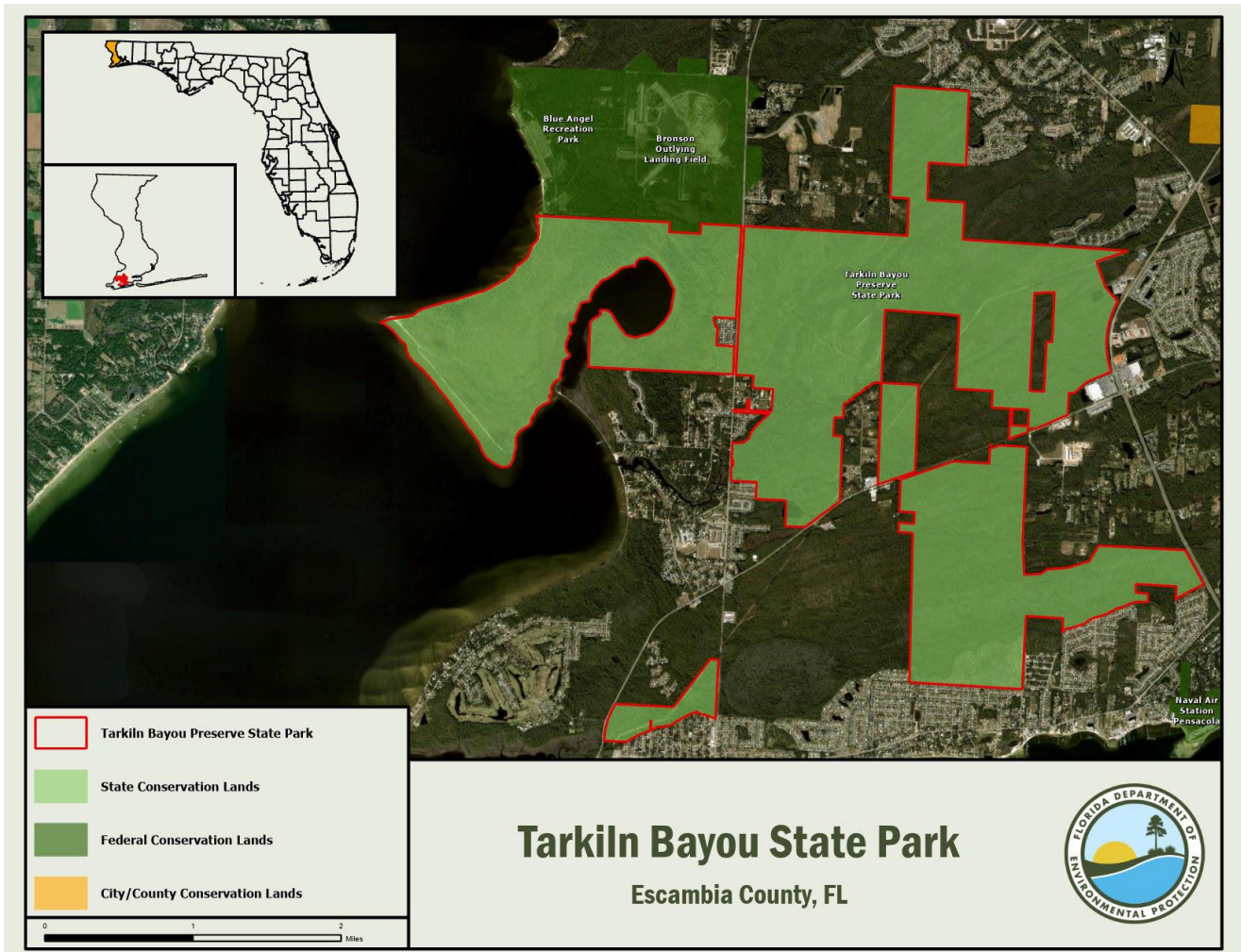
Review Team Members (voting)

- Tannyr Lamica-Bush, DRP District
- Kolby J. Sprague, Local Gov't.
- Thomas Kuhn, FWC
- Monica Hardin, DEP District
- Shelly Wayte, FFS
- Dan Wesley, NFWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Derek Fussell, FWC/IPM

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 6, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 6, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Park Service staff on measures taken to protect and improve white-topped pitcher plants as well as other listed species. (6+, 0-)
2. The team commends the staff on efforts to prevent and control invasive plant species. (6+, 0-)
3. The team commends staff for limiting visitor impacts to the landscape while still providing opportunities that are well utilized. (6+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends consideration of stocking levels within mesic, sandhill and wet flatwoods for future harvesting to improve/maintain forest health and meet FNAI community standards. (6+, 0-)

Managing Agency Response: The park has a Timber Management Analysis that addresses the appropriate stocking levels according to each FNAI natural community and relevant management zone. It also includes a summary of proposed timber management actions to help restore or improve the natural communities. Following recommendations from the Timber Management Analysis, DRP will consider various types of timber harvests/management in order to lower the basal areas in overgrown stands. These activities can range from thinning and targeted removal to clearcutting, utilizing park staff and or contractors.

Field Review Details

Field Review Checklist Findings

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

Table 13: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.26	4.35
Prescribed Fire / Habitat Restoration	3.61	4.58
Hydrology	3.98	4.26
Imperiled Species	4.43	4.52
Exotic / Invasive Species	4.54	4.71
Cultural Resources	4.33	4.67
Public Access / Education / Law Enforcement	4.27	4.58
Infrastructure / Equipment / Staffing	3.44	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
	Poor	

1. **Natural communities, specifically maritime hammock, xeric hammock, baygall, depression marsh, blackwater stream, seepage stream, salt marsh, estuarine unconsolidated substrate.**
2. **Listed species, listed animal and plant species in general, and specifically shorebirds, flatwoods salamander, gopher tortoise, pitcher plants, large leaf jointweed, and orchids.**
3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Resource management (prescribed fire), specifically quality.**
6. **Forest Management, specifically timber inventory.**
7. **Non-native, invasive, and problem species, specifically prevention and control of plants, and animals.**
8. **Hydro-alteration, specifically ditches.**
9. **Surface water monitoring, specifically quality.**
10. **Resource protection, specifically boundary survey, and gates and fencing, signage, and law enforcement presence.**
11. **Adjacent property concerns, land use, specifically expanding development, and inholdings and additions.**
12. **Public access, specifically roads.**
13. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, and management of visitor impacts.**
14. **Management resources, specifically waste disposal, and buildings.**
15. **Short-term goals, specifically public access and recreational opportunities.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. The maintenance condition of the Natural Communities, specifically wet prairie received a below average score. The review team is asked to evaluate, based on their perspective, what percent of the natural community is in maintenance condition. The scores range from 1 to 5, with 1 being 0-20% in maintenance condition, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: Where applicable, hardwood removal is being done mechanically either in place of prescribed fire or in addition to it. Optimal burn rotations are being restored where possible and continued in zones that have been restored.

2. Management Resources, specifically funding, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: Division funding is appropriated annually by the Florida Legislature. This funding is allocated at the Division and District levels in order to best meet annual operational and resource management needs. Any deemed increase in Division Budget/staffing will follow the established legislative budget request process.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Adjacent Property Concerns, specifically discussion of potential surplus land determination, received a below average score. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: The Division will address adjacent property concerns and the determination of surplus lands in the update of the management plan.

Apalachicola National Estuarine Research Reserve

Managed by: Department of Environmental Protection, Resilience and Coastal Protection

Acres: 234,715

County: Franklin

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): P2000/CARL/Florida Forever

Original Acquisition Date:

Area Reviewed: Entire Property

Last Management Plan Approval Date: 8/15/13

Review Date: 10/6/22

Agency Manager and Key Staff:

- Jenna Harper, Manager
- Megan Lamb, Resource Coordinator
- Kim Miller, Assistant Manager

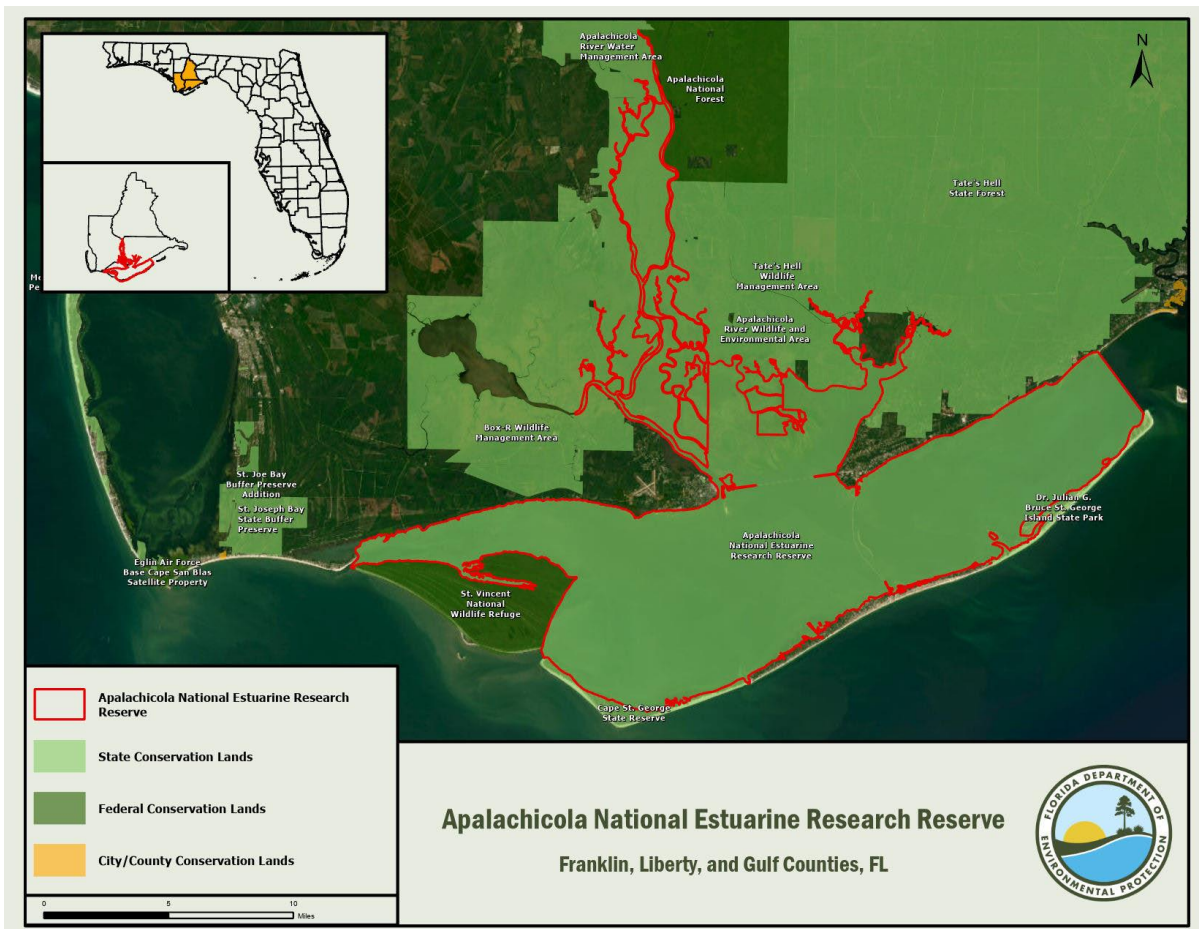
Review Team Members (voting)

- DRP District, None
- Mark Curenton, Local Gov't.
- Catherine Ricketts, FWC
- Monica Hardin, DEP District
- Shelly Wayte, FFS
- Coakley Taylor, NFWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Dylan Shoemaker, DEP/RCP
- Earl Pearson, DEP/RCP

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the staff for management/monitoring of imperiled species and habitats; particularly for continuously seeking innovative ways to restore/maintain shorebird habitat. (5+, 0-)
2. The team commends the staff for efforts to mitigate urban encroachment issues and those impacts on prescription burning by facilitating good relationships with neighbors. (5+, 0-)
3. The team commends staff for educational and outreach effort, from Estuaries Day, work with school children, to community classes, workshops for Land Managers, etc. Outstanding work in this area. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends the need for a more quantitative approach to assessing status of fire-maintained upland communities. (5+, 0-)

Managing Agency Response: Thank you for your comments. We are currently reviewing and rewriting our Management Plan, and are also using our recently completed Timber Assessment as a springboard to further update management recommendations and measurable goals for our managed areas. We want to ensure that our management activities are appropriate for our unique resources and restoration goals as we move forward in this process.

Field Review Details

Field Review Checklist Findings

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

Table 14: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.45	3.87
Prescribed Fire / Habitat Restoration	4.32	3.97
Hydrology	4.20	3.49
Imperiled Species	4.71	4.65
Exotic / Invasive Species	4.50	3.87
Cultural Resources	4.60	4.40
Public Access / Education / Law Enforcement	4.69	4.28
Infrastructure / Equipment / Staffing	4.30	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

1. **Natural communities, specifically scrub, beach dune, coastal grassland, coastal interlude swale, shell mound, scrubby flatwoods, mesic flatwoods, mesic hammock/hydric hammock, floodplain swamp, depression marsh, floodplain marsh, alluvial stream, unconsolidated substrate, marine/estuarine tidal marsh.**
2. **Listed species, listed animal and plant species in general, and specifically sea turtles, and shorebirds.**
3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Resource management (prescribed fire), specifically quality.**
6. **Restoration, specifically living shoreline restoration.**
7. **Forest Management, specifically timber inventory.**
8. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals, and pest/pathogens.**
9. **Hydro-alteration, specifically roads and culverts, ditches, and hydro-period alteration.**
10. **Surface water monitoring, specifically quality and quantity.**
11. **Resource protection, specifically boundary survey, and gates and fencing, signage, and law enforcement presence.**
12. **Adjacent property concerns, land use, specifically expanding development, and inholdings and additions.**
13. **Public access, specifically roads, and parking.**
14. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
15. **Management resources, specifically waste disposal, sanitary facilities, buildings, equipment, and staff.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

The review team scores did not identify items requiring improvement actions in the field.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. **Ground Water Monitoring, specifically quality, and quantity, received below average scores. This is an indication that the management plan does not sufficiently address ground water monitoring.**

Managing Agency Response: Thank you for your comments. The Northwest Florida Water Management District maintains a groundwater well within the Rodrigue tract in ANERR's Cat Point managed area as part of its statewide program to monitor ground water resources. The Reserve's porewater wells, which monitor water quality closer to the surface in sensitive marsh areas, were established in 2016 after the 2013 Management Plan was completed. We are currently undergoing edits for an updated Management Plan; we will make sure that the groundwater monitoring and discussion of the porewater monitoring is included in the plan update.

Big Shoals State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 1,681

County: Hamilton and Columbia

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): P2000/CARL

Original Acquisition Date: 11/19/86

Area Reviewed: Entire Property

Last Management Plan Approval Date: 2/11/05

Review Date: 10/26/22

Agency Manager and Key Staff:

- Manny Perez, Manager

Review Team Members (voting)

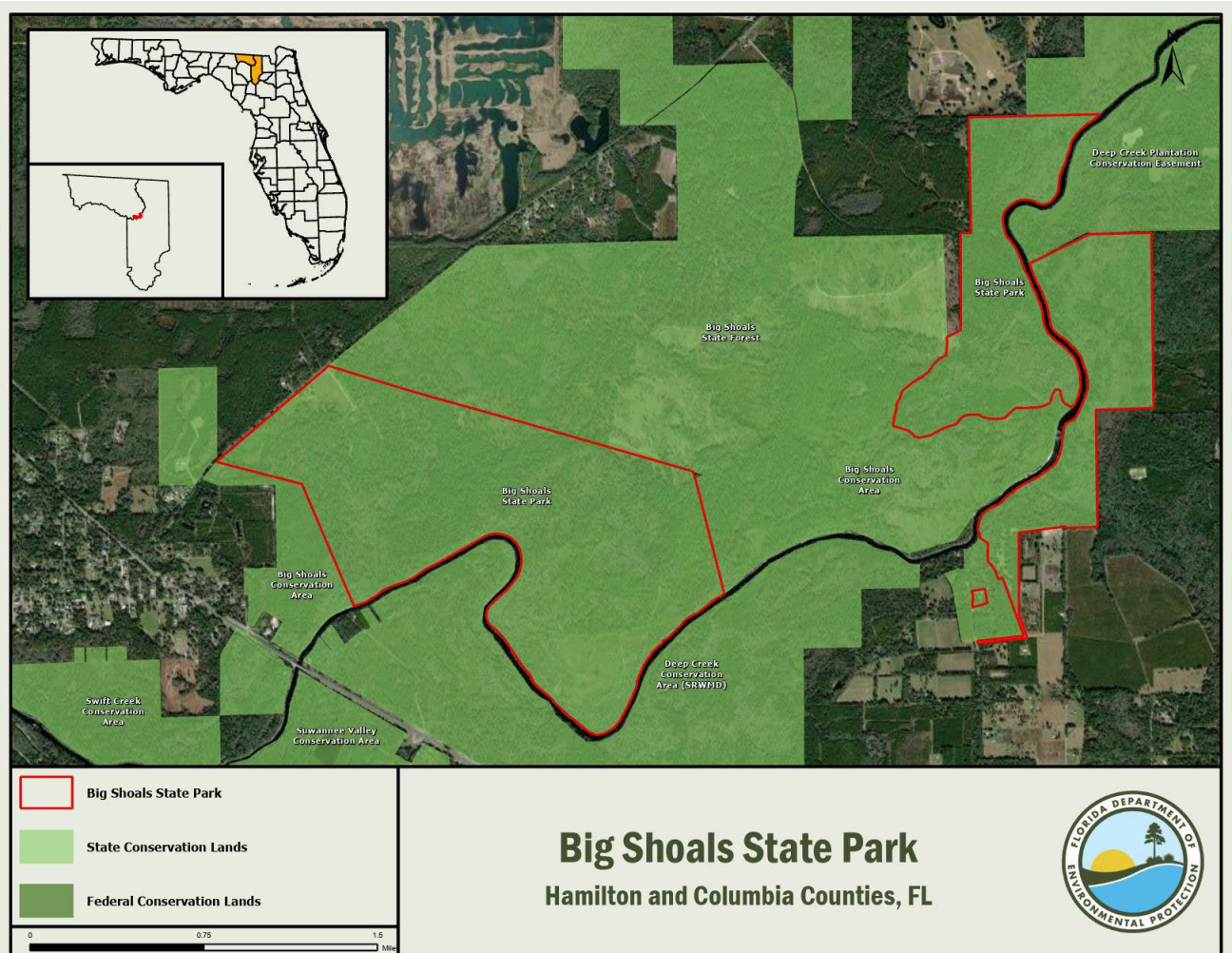
- Anne Barkdoll, DRP District
- Local Gov't., None
- Rebecca Doane, FWC
- Steven Krupka, DEP District

- Shelly Wayte, FFS
- Bill McKinstry, SRWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Park Service staff for the exceptional public recreational opportunities at the park. (5+, 0-)
2. The team commends the staff for the great visitor experience along the Woodpecker Trail. (5+, 0-)
3. The team commends park and district staff for the improved access and hydrological improvement by the installation of low water crossings. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends further mechanical reduction of hardwood encroachment in understory to promote prescribed burning. (5+, 0-)

Managing Agency Response: DRP will continue the use of hardwood reduction methods in firetype communities to improve the use and effects of prescribed fire.

Field Review Details

Field Review Checklist Findings

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

1. Natural communities, specifically basin swamp, baygall, bottomland forest, dome, alluvial forest, floodplain swamp, blackwater stream, seepage stream.
2. Listed species, listed animal and plant species in general.
3. Natural resources survey/monitoring resources, specifically other habitat management effects monitoring, and invasive species survey and monitoring.
4. Cultural resources, specifically cultural resource survey, and protection and preservation.

Table 15: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.30	4.23
Prescribed Fire / Habitat Restoration	2.67	3.88
Hydrology	4.50	4.40
Imperiled Species	4.23	4.23
Exotic / Invasive Species	4.90	4.73
Cultural Resources	4.90	5.00
Public Access / Education / Law Enforcement	4.55	4.74
Infrastructure / Equipment / Staffing	4.23	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
	Poor	

5. **Forest Management, specifically timber inventory.**
6. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals and pest/pathogens.**
7. **Hydro-alteration, specifically roads/culverts/low water crossings.**
8. **Surface water monitoring, specifically quality and quantity.**
9. **Resource protection, specifically boundary survey, and gates and fencing, signage, and law enforcement presence.**
10. **Adjacent property concerns, land use, specifically expanding development, mines, and inholdings and additions.**
11. **Public access, specifically roads and parking.**
12. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
13. **Management resources, specifically waste disposal, sanitary facilities, buildings, and equipment.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. The maintenance condition of the Natural Communities, specifically sandhill and upland mixed woodland, received below average scores. The review team is asked to evaluate, based on their perspective, what percent of the natural community is in maintenance condition. The scores range from 1 to 5, with 1 being 0-20% in maintenance condition, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: DRP will work to bring more of these natural communities into maintenance condition.

2. Resource Management, Prescribed Fire, specifically frequency, and quality, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, to what degree prescribed fire is accomplished according to the objectives for prescribed fire management. The scores range from 1 to 5, with 1 being 0-20% accomplished, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: DRP will continue to increase prescribed fire frequency and quality.

3. Restoration, specifically abandoned pastures, and sandhill, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether restoration is sufficient.

Managing Agency Response: DRP will continue to improve restoration efforts in sandhill and abandoned pastures.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Natural Communities, specifically upland mixed woodland, received a below average score. This is an indication that the management plan does not sufficiently address current or desired condition and/or future management actions to protect or restore.

Managing Agency Response: At the time the current management plan was written, the upland mixed woodland was not recognized as a distinct natural community. The next plan will include a discussion of the upland mixed woodland natural community and its management needs.

2. Adjacent Property Concerns, specifically discussion of potential surplus land determination, and surplus lands identified, received below average scores. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: The next management plan will address surplus lands determination.

Big Shoals State Forest

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

Acres: 1,672

County: Hamilton

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): P2000/CARL

Original Acquisition Date: 11/19/86

Area Reviewed: Entire Property

Last Management Plan Approval Date: 2/11/05

Review Date: 10/27/22

Agency Manager and Key Staff:

- Katrina Koning, Forestry Supervisor
- Glenn Davis, Center Manager
- Shelly Wayte, OPL Forester
- Caitlyn Peca
- James Rourks

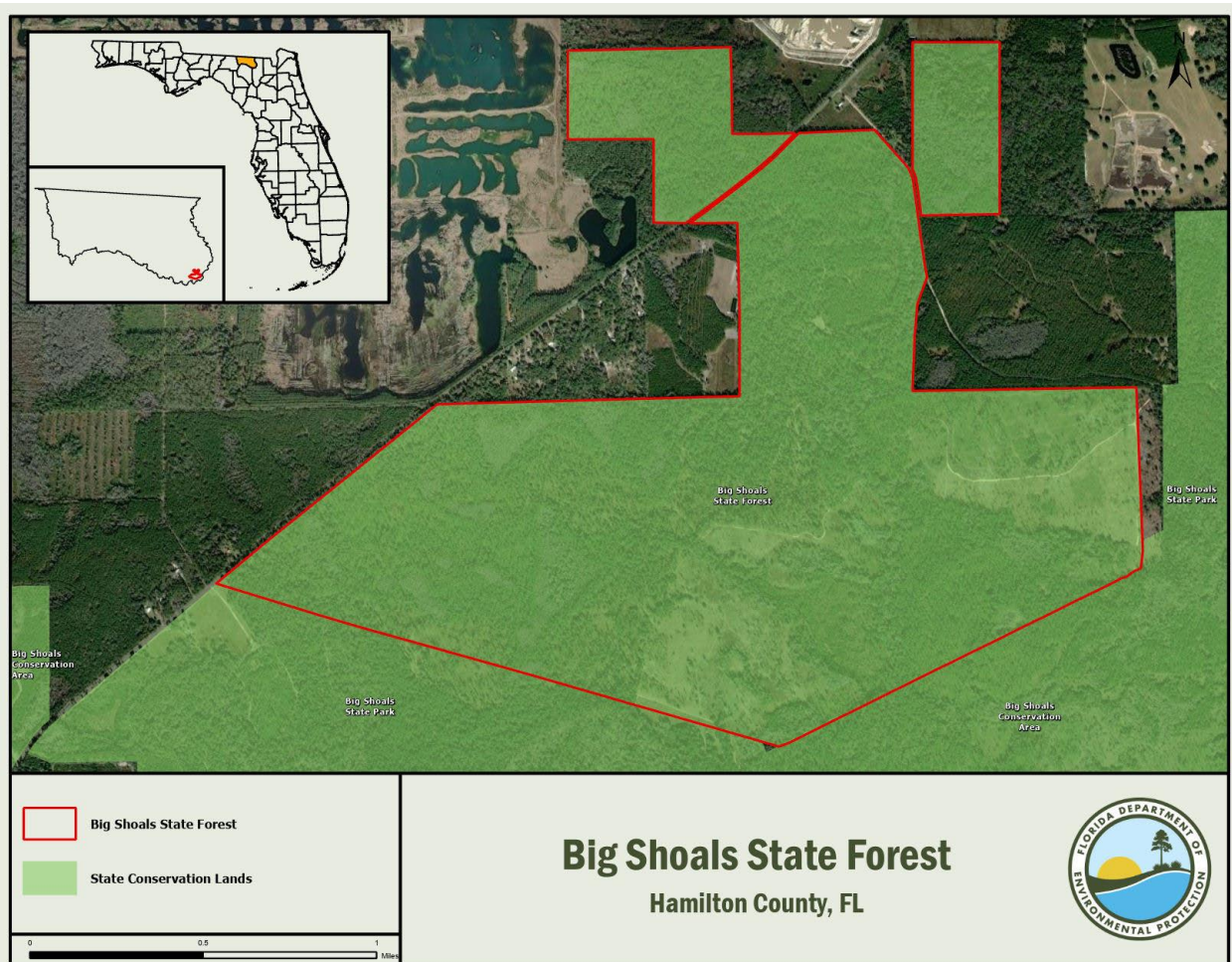
Review Team Members (voting)

- Rick Owen, DRP District
- Local Gov't., None
- Teri McKinstry, FWC
- Taylor Parks, DEP District
- Jason Love, FFS
- Bill McKinstry, SRWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Forest Service (FFS) for continuing to use a variety of techniques to reduce offsite hardwoods in upland habitats. (4+, 0-)
2. The team commends the FFS for the high frequency of prescribed fire on the forest portion of the property. (4+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that the FFS collaborate with DRP on the maintenance needs of the Woodpecker Recreational Trail. (3+, 1-)

Managing Agency Response: The FFS has been collaborating with FDEP/Steven Foster State Park on the maintenance needs of the Woodpecker Recreational Trail. Interagency meetings with the FDEP about the Woodpecker Recreational Trail have been held, along with the collection and sharing of data to further repair, improve, and maintain the Woodpecker Trail. These interagency collaborations will continue until we achieve our maintenance goals.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically mesic flatwoods, upland pine forest, basin swamp, baygall, dome swamp, alluvial forest, blackwater stream.**
2. **Listed species, animals and plants in general, and specifically pitcher plant**

Table 16: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.84	4.58
Prescribed Fire / Habitat Restoration	4.43	3.73
Hydrology	4.18	4.03
Imperiled Species	4.67	4.06
Exotic / Invasive Species	4.70	3.97
Cultural Resources	4.70	4.60
Public Access / Education / Law Enforcement	4.54	4.35
Infrastructure / Equipment / Staffing	4.17	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Prescribed fire, specifically area being burned, frequency and quality.**
6. **Restoration, specifically restoration natural community.**
7. **Forest management, specifically timber inventory, timber harvesting, reforestation/afforestation and site preparation.**
8. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals and pest/pathogens.**
9. **Hydrologic/geologic function hydro-alteration, specifically roads/culverts, and ditches**
10. **Resource protection, specifically boundary survey, gates and fencing, signage, and law enforcement presence.**
11. **Adjacent property concerns, specifically PCS Phosphate mining, and inholdings and additions.**
12. **Public access, specifically roads, and parking.**
13. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
14. **Management resources, specifically waste disposal, sanitary facilities, buildings, equipment, and staff.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

The review team scores did not identify items requiring improvement actions in the field.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Natural Communities, specifically upland mixed woodland, received a below average score. This is an indication that the management plan does not sufficiently address current or desired condition and/or future management actions to protect or restore.

Managing Agency Response: The FFS is currently updating the Big Shoals State Forest Plan, which has been delayed for various reasons. The new plan will sufficiently address upland mixed woodland.

2. Adjacent Property Concerns, specifically discussion of potential surplus land determination, received a below average score. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: The FFS is currently updating the Big Shoals State Forest Plan, which has been delayed for various reasons. The new plan will include an assessment of potential surplus land and will make a determination if any parcels are suitable for surplus.

Withlacoochee State Forest

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

Acres: 61,704

County: Citrus, Hernando

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): CARL/P2000

Original Acquisition Date: 10/07/08

Area Reviewed: Citrus, Homosassa and Two Mile Prairie

Last MP Approval Date: 2/13/15

Review Date: 12/14/22

Agency Manager and Key Staff:

- Justin Draft, Manager
- Nicole Howard, Manager
- Vince Morris
- Michael Penn
- Jon Hoch
- Colleen Werner

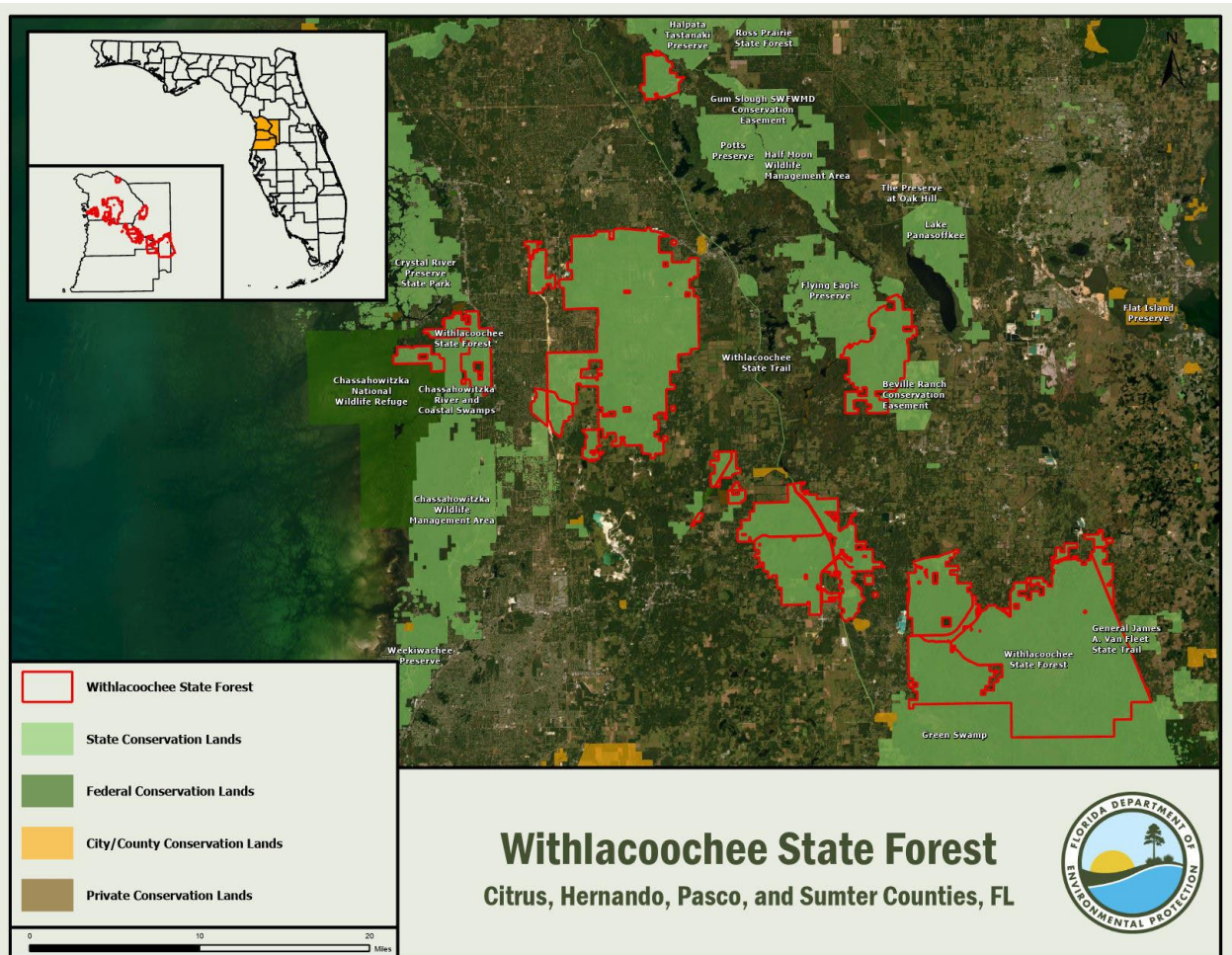
Review Team Members (voting)

- Tracy Muzyczka, DRP District
- Local Gov't., None
- Tiffany Mobley, FWC
- David Petti, DEP District
- Jason Love, FFS
- Chris Reed, SWFWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Forest Service (FFS) on their red-cockaded woodpecker habitat management. (5+, 0-)
2. The team commends the FFS for initiating geospatial data collection on rare and invasive plants. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

There were no consensus recommendations.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically sandhill, scrub, strand swamp/dome swamp, hydric hammock/mesic hammock, scrubby flatwoods, terrestrial cave, upland mixed forest, sinkhole, tidal marsh, sandhill upland lake, basin marsh, floodplain swamp, and depression marsh.**
2. **Listed species, animals and plants in general, and specifically red-cockaded woodpecker, gopher tortoise, southeastern myotis, scrub jay, southeastern American kestrel, maidenhair fern, and rare orchids.**
3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Prescribed fire, specifically area being burned, frequency and quality.**

Table 17: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.63	4.83
Prescribed Fire / Habitat Restoration	4.60	4.60
Hydrology	3.80	3.92
Imperiled Species	4.74	4.46
Exotic / Invasive Species	4.27	4.68
Cultural Resources	4.20	4.40
Public Access / Education / Law Enforcement	4.21	4.40
Infrastructure / Equipment / Staffing	3.93	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

6. **Forest management, specifically timber inventory, and timber harvesting, reforestation/afforestation and site preparation.**
7. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals, and pests/pathogens.**
8. **Ground water monitoring, specifically quality, and quantity.**
9. **Surface water monitoring, specifically quality, and quantity.**
10. **Resource protection, specifically boundary survey, gates and fencing, and signage.**
11. **Adjacent property concerns, specifically expanding development, Suncoast Parkway, linear facilities, and inholdings and additions.**
12. **Public access, specifically parking.**
13. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
14. **Management resources, specifically waste disposal, sanitary facilities, buildings, and equipment.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. The maintenance condition of the Natural Communities, specifically mesic flatwoods, received a below average score. The review team is asked to evaluate, based on their perspective, what percent of the natural community is in maintenance condition. The scores range from 1 to 5, with 1 being 0-20% in maintenance condition, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: Mesic flatwoods is a natural community that was represented almost entirely within the Homosassa Tract. When the state acquired this tract, it consisted of mostly improved pasture. Much of this area was reforested after acquisition. However, some of the reforestation was not successful. The FFS considers reforestation as a critical step in the restoration process. FFS will continue to manage these stands as restoration mesic flatwoods and will work to re-establish any unsuccessfully reforested stands.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Adjacent Property Concerns, specifically discussion of potential surplus land determination, received a below average score. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: Future updates to the Management Plan will include an assessment of potential surplus land and will make a determination if any parcels are suitable for surplus.

Lake Louisa State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 4,595

County: Lake

Purpose(s) for Acquisition: Initial acquisition funded by Land Acquisition Trust Fund program (LATF). LATF was created to fund a newly-created Outdoor Recreation and Conservation Program, designed primarily to purchase land for parks and recreation areas.

Acquisition Program(s): LATF, CARL/P2000

Original Acquisition Date: 8/29/73

Area Reviewed: Entire Property

Last Management Plan Approval Date: 10/14/05

Review Date: 10/26/22

Agency Manager and Key Staff:

- Rachel Nunlist, Park Manager
- Kyle Blair, Assistant Park Manager

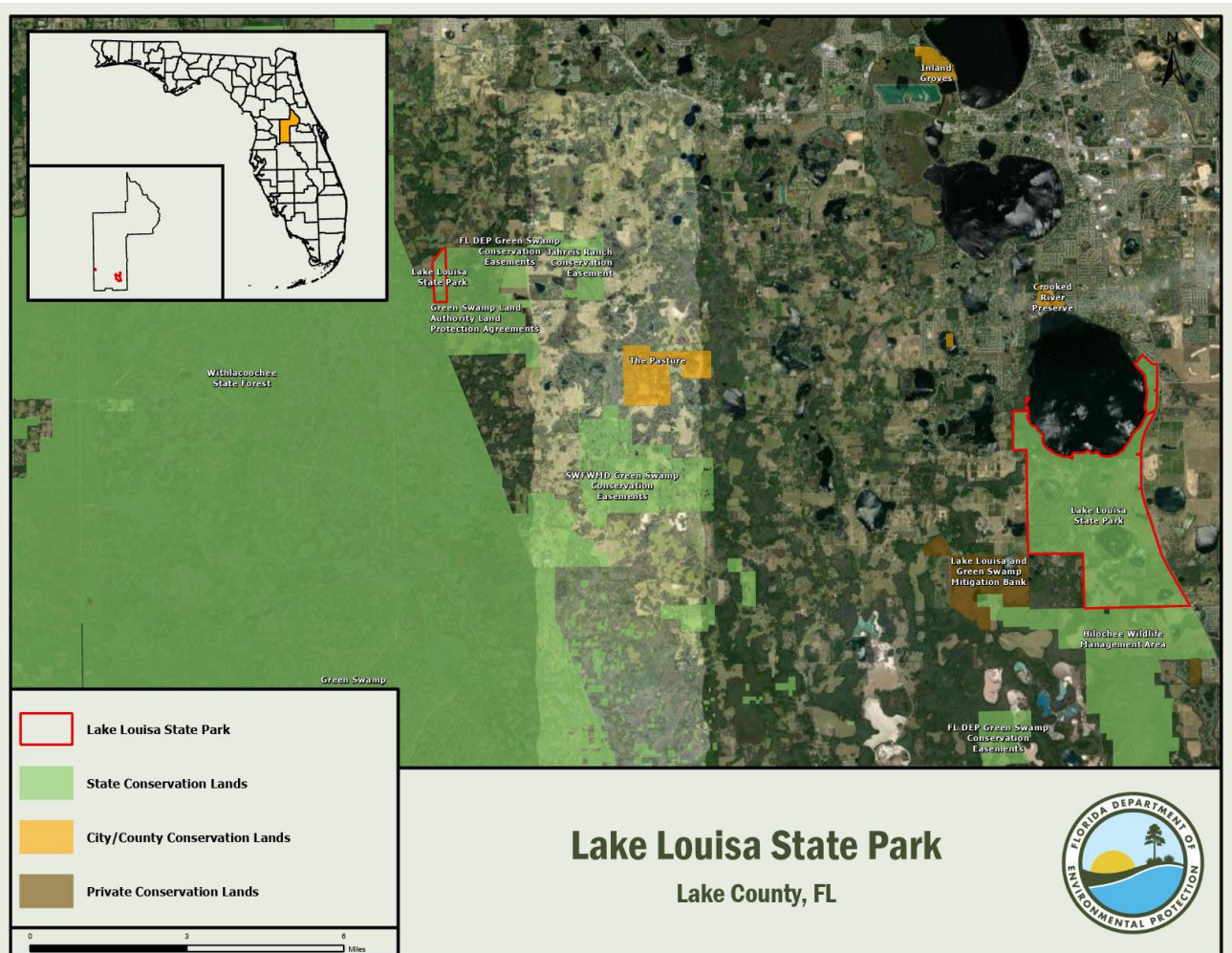
Review Team Members (voting)

- Chris Matson, DRP District
- Justin Elkins, Local Gov't.
- Steve Brinkley, FWC
- Carolyn Hall, DEP District
- Mike Edwards, FFS
- Brent Bachelder, SJRWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 6, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 6, No = 0

Table 1 shows the average scores received for each applicable category of review. Field Review scores refer to the adequacy of management actions in the field, while Management Plan Review scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Park Service for providing a wide array of recreational opportunities and lodging options that balance well with protection of Lake Louisa State Park’s natural and cultural resources. (6+, 0-)
2. The team commends the staff for utilizing a variety of resources, i.e., Park Service staff and equipment, volunteers, and non-governmental organization collaborations, to conduct extensive natural community restoration across former agricultural areas at Lake Louisa State Park. (6+, 0-)
3. The team commends park staff for efforts of imperiled species rescues. (6+, 0-)
4. The team commends park staff for balancing staffing between resource management and uses, considering the staffing issues that they experience. (6+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends the Florida Park Service continues to pursue funding and partnership opportunities in support of hydrologic assessment, restoration and enhancement activities, especially reducing the impacts of historic agricultural drainage and irrigation features on wetland natural communities, at Lake Louisa State Park. (6+, 0-)

Managing Agency Response: DRP will continue to pursue funding and partnerships for hydrologic assessment and restoration. These are long-term actions that take focus and dedication at all levels of our agency, frequently along with some assistance from other agencies.

Table 18: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.06	3.63
Prescribed Fire / Habitat Restoration	4.28	3.56
Hydrology	4.14	3.57
Imperiled Species	4.48	3.86
Exotic / Invasive Species	4.06	3.56
Cultural Resources	3.92	4.08
Public Access / Education / Law Enforcement	4.36	3.54
Infrastructure / Equipment / Staffing	3.39	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
	Poor	

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically scrub, basin swamp, dome swamp, hydric hammock, wet flatwoods, sandhill upland lake, swamp lake, blackwater stream, mesic flatwoods, scrubby flatwoods, and sandhill.**
2. **Listed species, listed animal and plant species in general, and specifically gopher tortoise, bonamia, cutthroat grass, and pitcher plants.**
3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically protection and preservation.**
5. **Resource management (prescribed fire), specifically area being burned, frequency, and quality.**
6. **Restoration, specifically pasture to sandhill restoration.**
7. **Forest Management, specifically timber inventory.**
8. **Non-native, invasive, and problem species, specifically prevention and control of plants, and animals.**
9. **Ground water monitoring, specifically quality, and quantity.**
10. **Surface water monitoring, specifically quality and quantity.**
11. **Resource protection, specifically boundary survey, and gates and fencing, signage, and law enforcement presence.**
12. **Adjacent property concerns, land use, specifically inholdings and additions.**
13. **Public access, specifically roads, parking, and boat access.**
14. **Environmental education and outreach, specifically invasive species, habitat management activities, recreational opportunities, and management of visitor impacts.**
15. **Management resources, specifically waste disposal.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. The maintenance condition of the Natural Communities, specifically sandhill, received a below average score. The review team is asked to evaluate, based on their perspective, what percent of the natural community is in maintenance condition. The scores range from 1 to 5, with 1 being 0-20% in maintenance condition, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: Sandhill did not exist as a recognizable and assessable community at the park until 2016, and now it has acreage at the park. While the score is just below satisfactory, DRP expects that the percentage in maintenance condition will increase over time with continued restoration. It is important to differentiate between intact sandhill and altered habitat that we are attempting to restore to a more natural state.

2. Management Resources, specifically staff and funding, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: The management of resources could always be improved with additional funding, staffing, equipment and support facilities; however, no new staff or funding can be assigned to this or any other park unit unless they are appropriated by the Legislature or reassigned from other units. Funding is determined annually by the Florida Legislature.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Natural Communities, specifically mesic flatwoods, scrubby flatwoods, and sandhill, received below average scores. This is an indication that the management plan does not sufficiently address current or desired condition and/or future management actions to protect or restore.

Managing Agency Response: The Lake Louisa State Park (SP) Unit Management Plan has been updated and submitted for review, and will include updates to natural communities identification, mapping, management and restoration. Mesic flatwoods, scrubby flatwoods and sandhill were not identified as existing natural communities in the currently approved UMP.

2. Natural Resource Survey and Monitoring Resources, specifically fire effects monitoring, received a below average score. This is an indication that the management plan does not sufficiently address survey or monitoring.

Managing Agency Response: The Lake Louisa SP Unit Management Plan has been updated and submitted for review, and will address survey and monitoring natural resources. A timber assessment is also available for this park.

3. Non-native, Invasive & Problem Species, specifically prevention of pests/pathogens, received a below average score. This is an indication that the management plan does not sufficiently address prevention of invasive species.

Managing Agency Response: The Lake Louisa SP Unit Management Plan has been updated and submitted for review, and the new UMP will address prevention in some ways that the current plan omitted. Prevention was not a part of planning in 2005, and now it is.

4. Resource Protection, specifically gates & fencing, received a below average score. This is an indication that the management plan does not sufficiently address resource protection.

Managing Agency Response: The Lake Louisa SP Unit Management Plan has been updated and submitted for review, and gates and fencing are much better addressed in the upcoming plan.

5. Adjacent Property Concerns, specifically inholdings/additions, discussion of potential surplus land determination, and surplus lands identified, received below average scores. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: The currently approved Lake Louisa SP Unit Management Plan has no information about surplus lands. The next iteration of the plan has been updated and submitted for review which includes a surplus lands determination for the park.

Lafayette Forest Wildlife and Environmental Area

Managed by: Florida Fish and Wildlife Conservation Commission

Acres: 2,148

County: Lafayette

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): Fish & Wildlife Habitat Program

Original Acquisition Date: 8/31/94

Area Reviewed: Entire Property

Last Management Plan Approval Date: 12/10/21

Review Date: 1/26/23

Agency Manager and Key Staff:

- Matt Barker, Manager
- Cade Chaney
- Simon Fitzwilliam

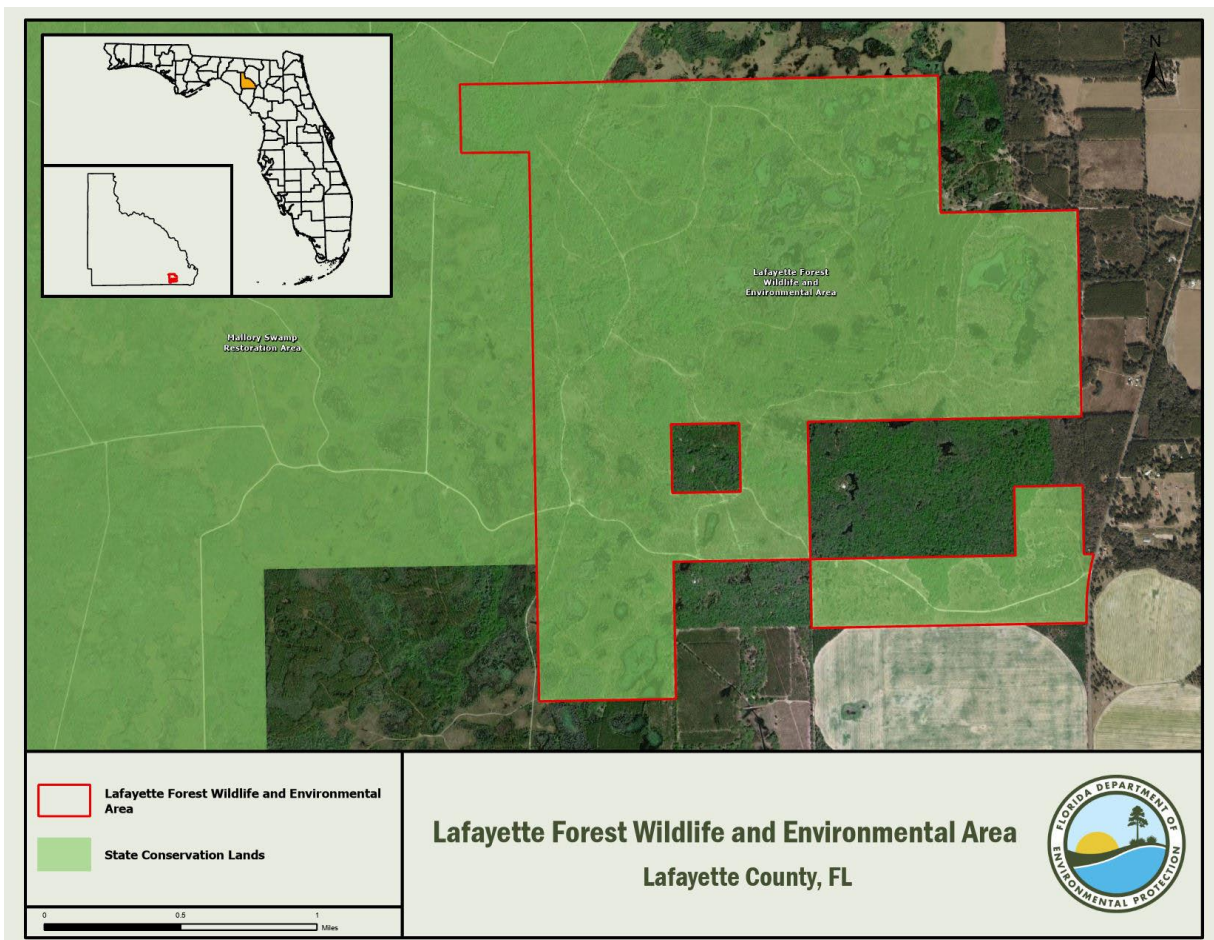
Review Team Members (voting)

- Anne Barkdoll, DRP District
- Local Gov't., None
- Rebecca Doane, FWC
- Hayley Springer, DEP District
- Jason Love, FFS
- WMD, None
- Lilly Anderson-Messec, Conservation Org.
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Chris Boever, FWC/IPM

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the FWC for the habitat restoration work that has allowed for the moving of the natural communities from the restoration phase. (4+, 1-)
2. The team commends the staff for frequent fire within the fire return interval of the natural communities. (5+, 0-)
3. The team commends staff for the use of underplanting longleaf pine to start the next forest generation. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

There were no consensus recommendations.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically scrubby flatwoods, upland hardwood forest, wet flatwoods, basin marsh, bottomland forest, floodplain swamp, depression marsh, dome swamp, mesic flatwoods, and sandhill.**
2. **Listed species, listed animal and plant species in general, and specifically gopher tortoise.**
3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Resource management (prescribed fire), specifically area being burned, frequency, and quality.**
6. **Forest Management, specifically timber inventory, and timber harvesting.**

Table 19: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review	
Natural Communities / Forest Management	4.58	4.50	
Prescribed Fire / Habitat Restoration	4.60	4.40	
Hydrology	3.83	3.90	
Imperiled Species	4.55	4.78	
Exotic / Invasive Species	4.39	4.30	
Cultural Resources	4.80	4.80	
Public Access / Education / Law Enforcement	4.28	4.28	
Infrastructure / Equipment / Staffing	4.07	N/A	
Color Code (See Appendix A for detail)			
Excellent	Above Average	Below Average	Poor

7. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals, and pest/pathogens.**
8. **Hydro-alteration, specifically roads and culverts, ditches, hydro-period alteration, and water level alteration.**
9. **Resource protection, specifically boundary survey, and gates and fencing, signage, and law enforcement presence.**
10. **Adjacent property concerns, land use, specifically inholdings and additions.**
11. **Public access, specifically roads, and parking.**
12. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
13. **Management resources, specifically waste disposal, buildings, equipment, and funding.**
14. **Short-term goals, specifically public access and recreational opportunities.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

The review team scores did not identify items requiring improvement actions in the field.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

The review team scores did not identify items requiring improvements in the management plan.

Econfina River State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 4,528

County: Taylor

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): Save Our Coast

Original Acquisition Date: 12/24/1987

Area Reviewed: Entire Property

Last Management Plan Approval Date: 10/19/2018

Review Date: 1/25/2023

Agency Manager and Key Staff:

- Mark Stevenson, Park Service Specialist

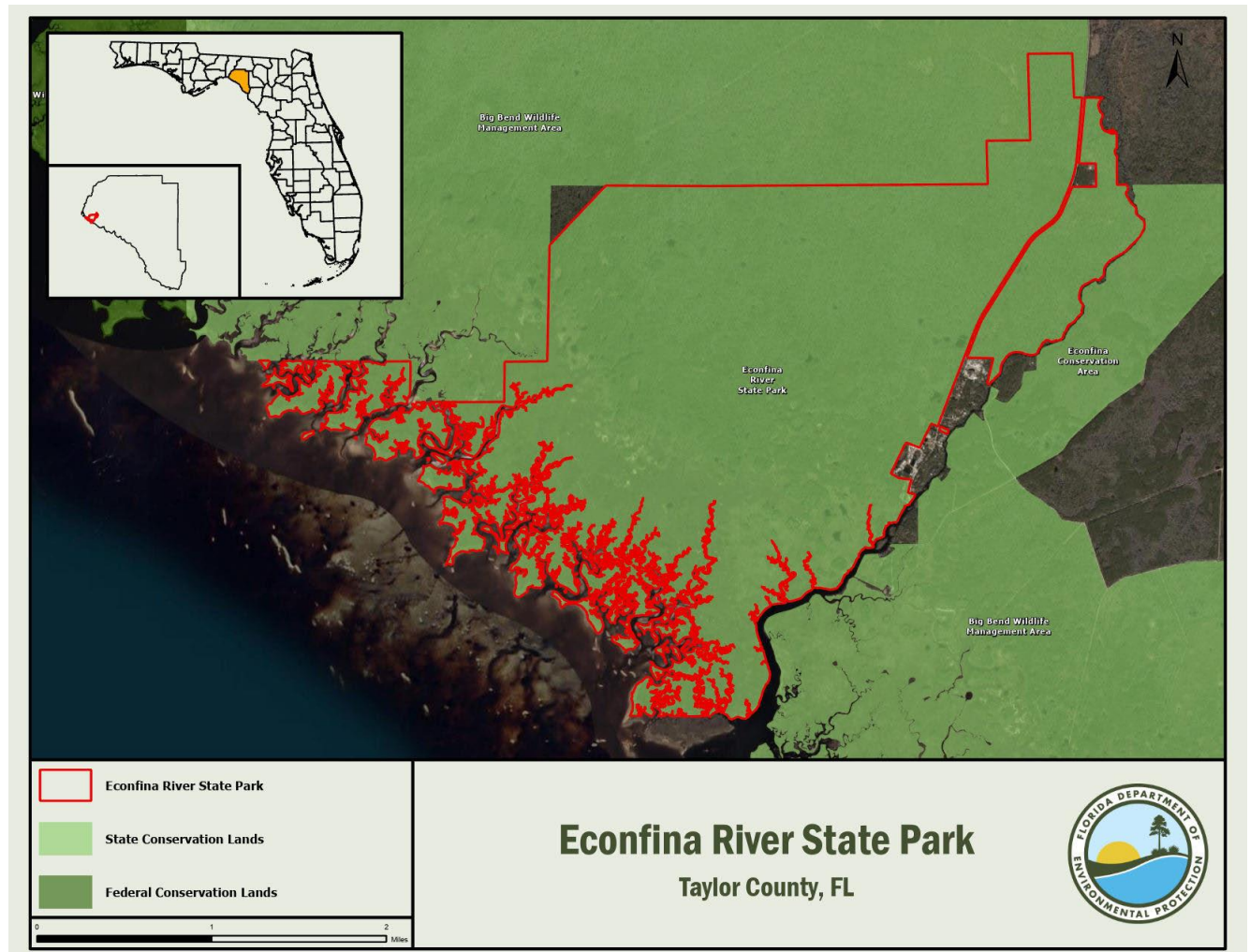
Review Team Members (voting)

- DRP District, None
- Local Gov't., None
- Josh Hendricks, FWC
- Carmine Oliverio, DEP District
- Jason Love, FFS
- Steven Carpenter, SRWMD
- Lilly Anderson-Messec, Conservation Org.
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Vitor Aguiar, FFS

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see *Appendix A*.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Park Service (FPS) staff for the efforts to minimize hog damage. (5+, 0-)
2. The team commends park staff for effectively managing user impacts with limited staffing and a great distance from other district parks/equipment. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that the FPS prioritize the prescribed burning of the mesic flatwoods to prevent the loss of habitat work already completed. (5+, 0-)

Managing Agency Response: DRP will strive to prioritize prescribed burning especially in the flatwoods. We agree that a loss of previously completed habitat work would be unacceptable and are committed to planning and completing prescribed burns at this unit.

Table 20: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review	
Natural Communities / Forest Management	3.96	4.25	
Prescribed Fire / Habitat Restoration	3.47	4.43	
Hydrology	3.90	3.90	
Imperiled Species	4.23	4.23	
Exotic / Invasive Species	4.08	3.97	
Cultural Resources	3.90	4.20	
Public Access / Education / Law Enforcement	3.91	3.92	
Infrastructure / Equipment / Staffing	3.47	N/A	
Color Code (See Appendix A for detail)			
Excellent	Above Average	Below Average	Poor

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically xeric hammock, bottomland forest, basin swamp, floodplain swamp, hydric hammock, marsh lake, salt marsh, and sinkhole lake.**
2. **Listed species, listed animal and plant species in general.**
3. **Natural resources survey/monitoring resources, specifically invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey.**
5. **Restoration, specifically hydrological restoration.**

6. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals and pest/pathogens.**
7. **Hydro-alteration, specifically roads/culverts.**
8. **Resource protection, specifically gates and fencing, and law enforcement presence.**
9. **Adjacent property concerns, land use, specifically expanding development, and inholdings and additions.**
10. **Public access, specifically parking, and boat access.**
11. **Environmental education and outreach, specifically recreational opportunities, and management of visitor impacts.**
12. **Management resources, specifically sanitary facilities.**
13. **Short-term goals, specifically public access and recreational opportunities.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. The maintenance condition of the Natural Communities, specifically mesic flatwoods, received a below average score. The review team is asked to evaluate, based on their perspective, what percent of the natural community is in maintenance condition. The scores range from 1 to 5, with 1 being 0-20% in maintenance condition, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: DRP will continue working on the enhancement of this natural community for future evaluation with the application of prescribed fire and or mechanical fuel treatment.

2. Resource Management, Prescribed Fire, specifically frequency, and quality, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, to what degree prescribed fire is accomplished according to the objectives for prescribed fire management. The scores range from 1 to 5, with 1 being 0-20% accomplished, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: The Park Service will persist at increasing the prescribed burning frequency and quality in Econfina River State Park.

3. Management Resources, specifically staff, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: Additional staff can only be assigned to this or other park units if they are appropriated by the Legislature or reassigned from other units. Funding is determined annually by the Florida Legislature.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that

overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Adjacent Property Concerns, specifically discussion of potential surplus land determination, and surplus lands identified, received below average scores. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: Adjacent property concerns including discussion of potential surplus land determination will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

Highlands Hammock State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 9,251

County: Highlands

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): Donation/P2000/CARL

Original Acquisition Date: 7/31/1935

Area Reviewed: Entire Property

Last Management Plan Approval Date: 7/15/2018

Review Date: 2/14/2023

Agency Manager and Key Staff:

- Morgan Tyrone, Park Manager
- Caleb Nail, Assistant Park Manager

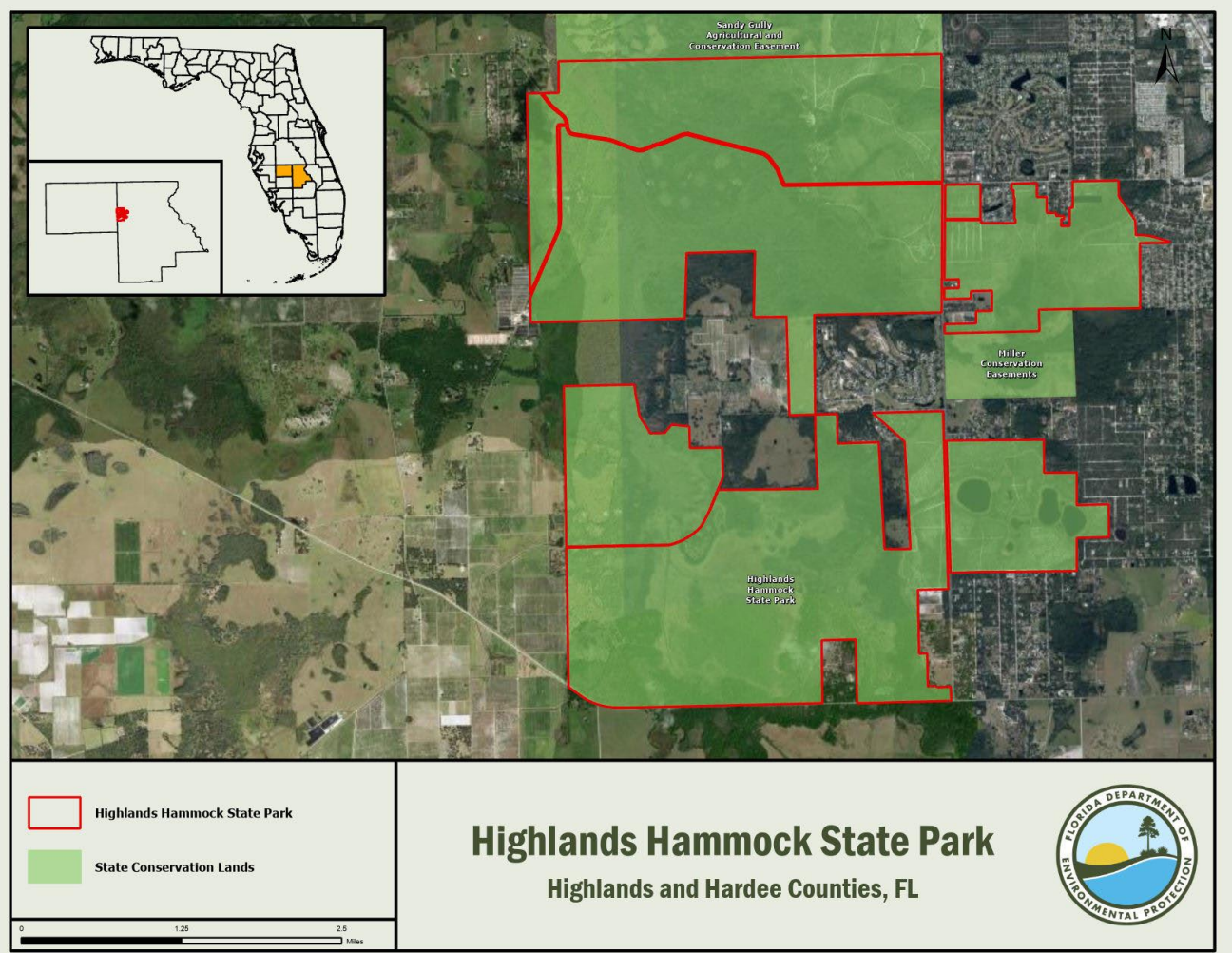
Review Team Members (voting)

- Matthew Hodge, DRP District
- Local Gov't., None
- Dwight Myers, FWC
- Jacob Poirier, DEP District
- Michael Edwards, FFS
- WMD, None
- Nancy Bissett, Conservation Org.
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Park Service (FPS) staff for the management and staffing at the park. (5+, 0-)
2. The team commends park staff for doing a great job with treating exotic plants. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

There were no consensus recommendations.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically scrub, scrubby flatwoods, xeric hammock, basin swamp, dome, floodplain swamp, sandhill upland lake, and blackwater stream.**
2. **Listed species, listed animal and plant species in general, and specifically gopher tortoise, bald eagle, cutthroat grass, and listed scrub species.**
3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey and protection and preservation.**
5. **Resource management (prescribed fire), specifically quality.**
6. **Forest management, specifically timber inventory**
7. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals and pest/pathogens.**
8. **Hydro-alteration, specifically roads/culverts, and dams, reservoirs or other impoundments.**

Table 21: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review	
Natural Communities / Forest Management	4.02	4.33	
Prescribed Fire / Habitat Restoration	3.27	4.30	
Hydrology	3.96	3.56	
Imperiled Species	3.97	4.03	
Exotic / Invasive Species	4.20	4.47	
Cultural Resources	4.50	4.75	
Public Access / Education / Law Enforcement	4.26	4.05	
Infrastructure / Equipment / Staffing	2.92	N/A	
Color Code (See Appendix A for detail)			
Excellent	Above Average	Below Average	Poor

9. Resource protection, specifically boundary survey, signage, and law enforcement presence.
10. Public access, specifically roads, and parking.
11. Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.
12. Short-term goals, specifically exotic and invasive species maintenance and control, and cultural and historical resources.

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. The maintenance condition of the Natural Communities, specifically sandhill, received a below average score. The review team is asked to evaluate, based on their perspective, what percent of the natural community is in maintenance condition. The scores range from 1 to 5, with 1 being 0-20% in maintenance condition, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: Sandhill constitutes 47.06 acres of the 9237.72 acres at Highlands Hammock State Park which equates to roughly 0.5% of the total area. Management zone HH-S010 has the largest area of sandhill in the park and was last burned in 2017. Due to the disturbed nature of the sandhill in this zone, the ground cover is not conducive for good activity. The Park Service will continue to survey and treat invasive plants as well as apply prescribed fire to work towards natural community improvement.

2. Management Resources, specifically equipment, and funding, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: Division funding is appropriated annually by the Florida Legislature. This funding is allocated at the Division and District levels in order to best meet annual operational and resource management needs. Any deemed increase in Division Budget/staffing will follow the established legislative budget request process.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Surface Water Monitoring, specifically quality and quantity, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether surface water monitoring is sufficient.

Managing Agency Response: Surface Water Monitoring, specifically quality and quantity will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

Crooked Lake Wildlife and Environmental Area

Managed by: Florida Fish and Wildlife Conservation Commission

Acres: 1,147

County: Polk

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): Fish & Wildlife Habitat Program

Original Acquisition Date: 6/27/08

Area Reviewed: Entire Property

Last Management Plan Approval Date: 10/18/19

Review Date: 2/15/23

Agency Manager and Key Staff:

- Angeline Barker, District Biologist
- Jennifer Myers, Asst. Regional Biologist
- Josh Agee, Regional Biologist

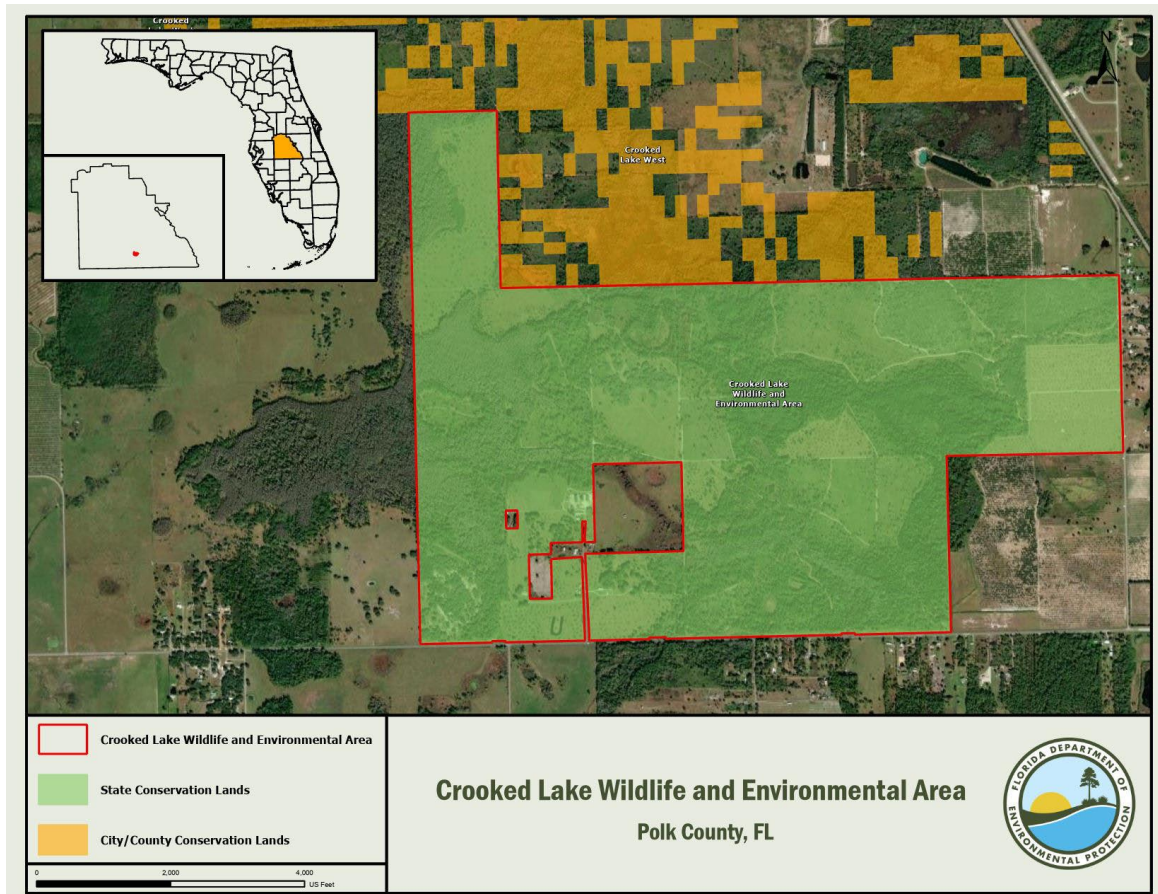
Review Team Members (voting)

- Erik Egensteiner, DRP District
- Local Gov't., None
- Ethan Noel, FWC
- Avery Ghirghi, DEP District
- Mike Edwards, FFS
- WMD, None
- Nancy Bissett, Conservation Org.
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Elysia Dytrych, FWC
- Kristen Peterson, FWC/IPM
- Clara Boyas, FWC

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the FWC on starting restoration of the citrus grove and pastures. (4+, 0-, 1 abstain)
2. The team commends the FWC on their prescribed fire efforts. (4+, 0-, 1 abstain)
3. The team commends staff for gopher tortoise habitat management and monitoring. (4+, 0-, 1 abstain)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

There were no consensus recommendations.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically basin swamp, baygall, depression marsh, dome swamp, mesic flatwoods, scrub, scrubby flatwoods, and successional hardwood forest.**
2. **Listed species, listed animal and plant species in general, and specifically gopher tortoise, southeastern American kestrel, and cutthroat grass.**
3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Resource management (prescribed fire), specifically area being burned.**
5. **Resource protection, specifically law enforcement presence.**
6. **Adjacent property concerns, land use, specifically expanding development, and inholdings and additions.**
7. **Public access, specifically roads, and parking.**

Table 22: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review	
Natural Communities / Forest Management	3.53	3.70	
Prescribed Fire / Habitat Restoration	3.87	4.27	
Hydrology	3.20	4.10	
Imperiled Species	4.40	4.32	
Exotic / Invasive Species	3.47	3.87	
Cultural Resources	3.80	4.40	
Public Access / Education / Law Enforcement	3.84	3.88	
Infrastructure / Equipment / Staffing	3.73	N/A	
Color Code (See Appendix A for detail)			
Excellent	Above Average	Below Average	Poor

- 8. Environmental education and outreach, specifically management of visitor impacts.**
- 9. Management resources, specifically waste disposal, and sanitary facilities.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Forest Management, specifically timber inventory, and timber harvesting, received below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether forest management is sufficient.

Managing Agency Response: The FWC will continue coordinating with the Florida Forest Service to update the timber assessment and to conduct timber harvesting on the WEA.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

The review team scores did not identify items requiring improvements in the management plan.

Tenoroc Public Use Area

Managed by: Florida Fish and Wildlife Conservation Commission and Department of Environmental Protection
Acres: 7,367 **County:** Polk

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): Donation and P2000/CARL

Original Acquisition Date: 9/1/82

Area Reviewed: Entire Property

Last Management Plan Approval Date: 10/19/18

Review Date: 2/16/23

Agency Manager and Key Staff:

- Danon Moxley, Area Manager
- Jennifer Myers, Asst. Regional Biologist
- Josh Agee, Regional Biologist
- Casey Beavers, Co-Manager - DEP

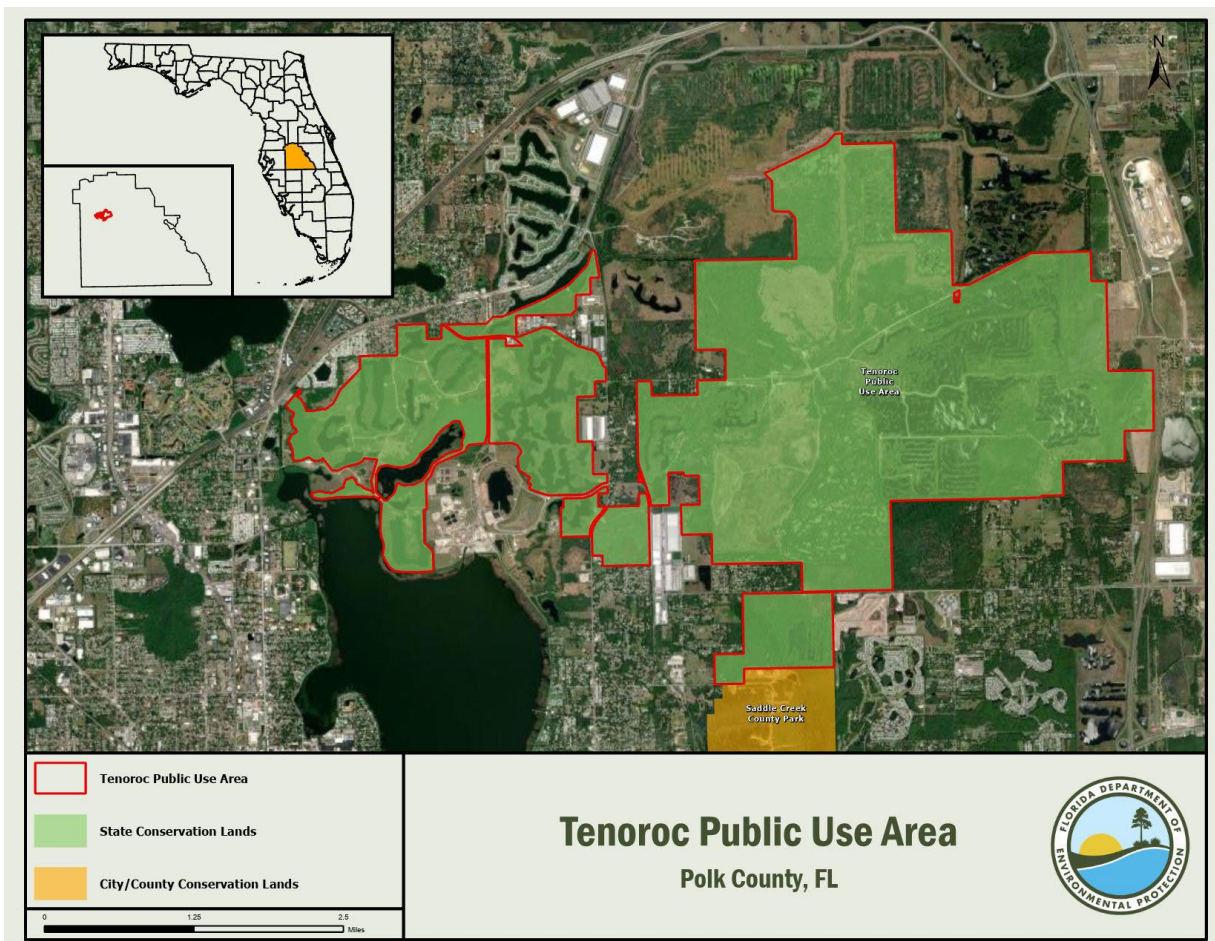
Review Team Members (voting)

- Erik Egensteiner, DRP District
- Local Gov't., None
- Ethan Noel, FWC
- Coral Evans, DEP District
- Mike Edwards, FFS
- WMD, None
- Nancy Bissett, Conservation Org.
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Charles Thompson, FWC/IPM
- Clara Boyas, FWC

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the FWC for the management of visitor impacts. They have a good system of gates, fences, signs and a check in/out permit system to limit boaters / fishing on the many lakes. (5+, 0-)
2. The team commends the FWC on the challenging treatment of invasive plants on highly disturbed areas. (4+, 1-)
3. The team commends staff for ongoing sandhill restoration efforts. (5+, 0-)
4. The team commends the managers for their dedication and excellent work at Tenoroc Public Use Area. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that the FWC reclaim the lead from the shooting ranges as per DEP’s best management practices. (5+, 0-)

Managing Agency Response: The Tenoroc Shooting Range operates under an Environmental Stewardship Plan (ESP) consisting of guidance for environmental operation, maintenance, and management of materials associated with legitimate and appropriate recreational shooting at the Tenoroc Shooting Range.

2. The team recommends that the staff try to treat some of the infested areas of invasive plants more than once a year, as funding allows. (5+, 0-)

Managing Agency Response: The FWC recognizes the importance of managing invasive non-native plant species on the Tenoroc PUA and has developed an area specific Upland Habitat Management Plan that includes chemical treatments. The FWC will continue treating invasive plants to the extent that funding allows.

Table 23: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review	
Natural Communities / Forest Management	3.81	3.51	
Prescribed Fire / Habitat Restoration	3.47	3.80	
Hydrology	4.40	3.59	
Imperiled Species	4.01	3.00	
Exotic / Invasive Species	3.80	3.43	
Cultural Resources	4.30	3.90	
Public Access / Education / Law Enforcement	4.56	3.81	
Infrastructure / Equipment / Staffing	4.37	N/A	
Color Code (See Appendix A for detail)			
Excellent	Above Average	Below Average	Poor

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically basin swamp, bottomland forest, depression marsh, dome swamp, and mesic flatwoods.**
2. **Listed species, listed animal species in general, and specifically gopher tortoise, and southeastern American kestrel.**
3. **Natural resources survey/monitoring resources, specifically sport fish or their habitat monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Restoration, specifically uplands enhancement/reclamation/ creation, and hydrology restoration.**
6. **Forest management, specifically timber harvesting, and reforestation/afforestation.**
7. **Non-native, invasive, and problem species, specifically control of animals.**
8. **Hydro-alteration, specifically roads and culverts, ditches, hydro-period alteration, water level alteration, and dams, reservoirs or other impoundments.**
9. **Ground water monitoring, specifically quantity.**
10. **Surface water monitoring, specifically quality, and quantity.**
11. **Resource protection, specifically boundary survey, gates and fencing, signage, and law enforcement presence.**
12. **Adjacent property concerns, land use, specifically inholdings and additions.**
13. **Public access, specifically roads, parking, and boat access.**
14. **Environmental education and outreach, specifically wildlife, interpretive facilities and signs, recreational opportunities, and management of visitor impacts, .**
15. **Management resources, specifically waste disposal, sanitary facilities, buildings, and equipment.**
16. **Short-term goals, specifically habitat restoration and improvement, public access and recreational opportunities, hydrological preservation and restoration, capital facilities and infrastructure, cultural and historical resources, and imperiled species habitat maintenance.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Resource Management, Prescribed Fire, specifically area being burned (no. acres), and frequency, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, to what degree prescribed fire is accomplished according to the objectives for prescribed fire management. The scores range from 1 to 5, with 1 being 0-20% accomplished, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: The FWC will continue to cooperate with the FFS to apply prescribed fire as outlined in the area's Upland Habitat Management Plan.

2. Forest Management, specifically timber inventory, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether forest management is sufficient.

Managing Agency Response: The FWC will continue coordinating with the FFS to update the timber assessment and to conduct timber harvesting on the Tenoroc PUA as needed.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Listed Species protection and preservation, plants in general, and specifically gopher tortoise, received below average scores. This is an indication that the management plan does not sufficiently address protection and preservation of listed species.

Managing Agency Response: Per the Management Plan goals and objectives for “Imperiled and Focal Species Habitat Maintenance, Enhancement, Restoration, or Population Restoration,” (pg. 86) FWC staff developed a Upland Habitat Management Plan for Tenoroc PUA, which will be included as an appendix in future Management Plan updates. This plan outlines species-specific measures on the area for the protection, preservation, and monitoring of imperiled species, including the gopher tortoise as well as habitat and vegetation goals and objectives on natural and altered communities throughout the PUA.

2. Adjacent Property Concerns, specifically Tri-City landfill, received a below average score. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: As noted in the “Adjacent Land Use and Zoning” section of the Management Plan, the FWC recognizes three types of land uses occurring on adjacent properties including waste disposal, industrial development, and residential development and that there are ongoing challenges associated with those uses (pg. 10). As such, this is discussed in the “Resource Management Challenges and Strategies” section of the Management Plan along with strategies for mitigating for these challenges (pg. 99). The FWC will continue to coordinate with adjacent landowners to pursue these strategies to address adjacent property concerns. These adjacent land uses will also be reviewed and considered in future Management Plan updates.

Picayune Strand State Forest

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

Acres: 80,980

County: Collier

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): P2000/CARL, Florida Forever, Farm Bill

Original Acquisition Date: 1983

Area Reviewed: Entire Property

Last Management Plan Approval Date: 6/12/20

Review Date: 3/7/23

Agency Manager and Key Staff:

- Michael Weston, Manager

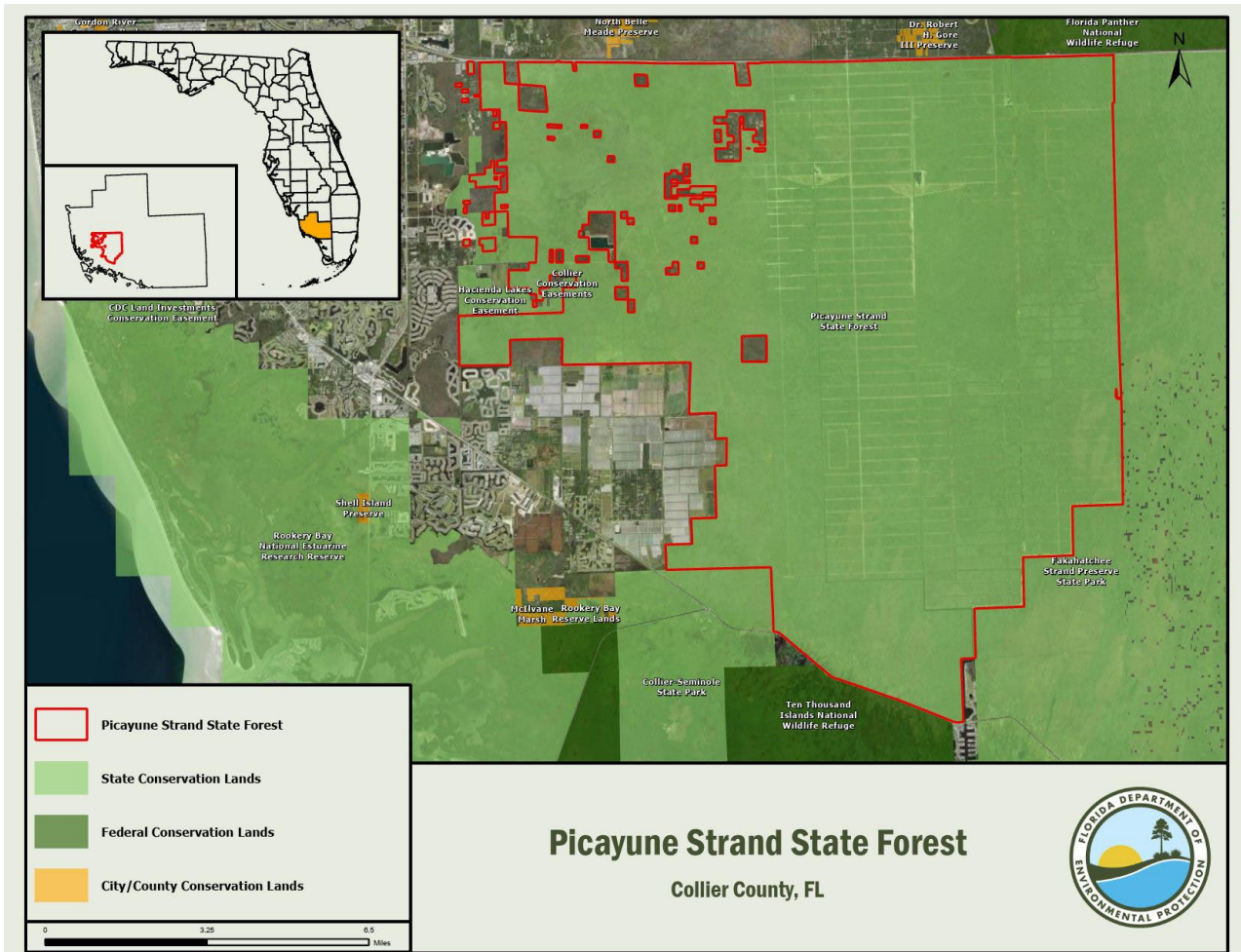
Review Team Members (voting)

- Maulik Patel, DRP District
- Local Gov't., None
- Travis Mangione, FWC
- Sergio Astarita, DEP District
- Jason Love, FFS
- Joe Bozzo, SFWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Jason O'Donoghue, DOS/DHR
- Jared Franklin, DEP/RCP

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 4, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 4, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Forest Service (FFS) for the excellent multi-agency collaboration with many projects, especially PSRP. (5+, 0-)
2. The team commends the FFS for the increased level of prescribed fire on the forest. (5+, 0-)
3. The team commends the FFS for the increased access and types of access on the forest. (5+, 0-)
4. The team commends the FFS for the cabbage palm thinning and exotic species treatments in the north and northeast portions of the forest. (5+, 0-)
5. The team commends the FFS for an increased emphasis of overall restoration on flatwoods in Belle Meade. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that the FFS, where feasible, improve firelines near adjacent conservation lands and adjacent private lands. (5+, 0-)

Managing Agency Response: The Florida Forest Service (FFS) is currently in the process of creating fuel breaks along shared boundaries, which will remove particularly flammable vegetation, and subsequently increasing the usage of prescribed fire to manage fuels. FFS staff will continue to identify potential funding sources to continue to establish and maintain fuel treatments, especially near boundaries. The FFS prefers the use of fuel breaks over fireline installation due to management concerns including invasive species establishment, illegal OHV use, and the presence of cap rock.

Table 24: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	3.82	4.08
Prescribed Fire / Habitat Restoration	3.90	4.25
Hydrology	4.16	3.77
Imperiled Species	4.06	3.81
Exotic / Invasive Species	3.71	3.96
Cultural Resources	4.63	4.25
Public Access / Education / Law Enforcement	3.89	4.05
Infrastructure / Equipment / Staffing	3.88	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically hydric hammock, mangrove swamp, mesic hammock, and swamp lake.**
2. **Listed species, plants in general, and specifically red-cockaded woodpecker, and gopher tortoise.**
3. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
4. **Restoration, specifically hydrology restoration, and uplands restoration.**
5. **Forest management, specifically timber inventory, timber harvesting, reforestation/afforestation and site preparation.**
6. **Hydrologic/geologic function hydro-alteration, specifically hydro-period alteration, and dams, reservoirs or other impoundments.**
7. **Ground water monitoring, specifically quality, and quantity.**
8. **Surface water monitoring, specifically quality, and quantity.**
9. **Resource protection, specifically law enforcement presence.**
10. **Adjacent property concerns, specifically inholdings and additions.**
11. **Public access, specifically roads, and parking.**
12. **Environmental education and outreach, specifically wildlife, habitat management activities, recreational opportunities, and management of visitor impacts.**
13. **Management resources, specifically waste disposal, sanitary facilities, buildings, and equipment.**
14. **Short-term goals, specifically public access and recreational opportunities.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. The maintenance condition of the Natural Communities, specifically mesic flatwoods, and strand swamp, received below average scores. The review team is asked to evaluate, based on their perspective, what percent of the natural community is in maintenance condition. The scores range from 1 to 5, with 1 being 0-20% in maintenance condition, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: The FFS, including staff from Picayune Strand State Forest (PSSF) and the Forest Management Bureau, are developing a long-term plan for the mesic flatwoods on PSSF. These flatwoods have been impacted by large scale hydrological alterations, wildfires, and a lack of prescribed fire. FFS will continue to develop and implement recommendations to improve the mesic flatwoods on PSSF. In terms of cypress strands, these communities have suffered for many years from hydrological alterations and we expect the completion of the Picayune Strand Restoration Project (PSRP) to alleviate much of the concern for these systems. Independent of the PSRP, FFS will continue to treat invasive plants in these communities as funding and manpower allow.

2. Management Resources, specifically staff, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: The FFS aggressively deploys staff utilizing available funding to accomplish the tasks set forth in the approved 10 year Land Management Plan. The FFS will continue to request additional staff resources as budgets allow.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Adjacent Property Concerns, specifically Wilson/Binfield Road Extension, received a below average score. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: Development of new paved roads open to vehicular traffic that impacts PSSF is inconsistent with the 10-year Land Management Plan, as indicated by the Governor and Cabinet's Linear Facility Policy. When placement of new roads onto FFS – managed properties is unavoidable, the FFS will work with the County and/or FDOT on a case by case basis.

2. Managed Area Uses, Proposed Uses, specifically shooting range, received a below average score. This is an indication that the management plan does not sufficiently address managed area uses.

Managing Agency Response: At this time, there is no plan to develop a shooting range on PSSF. The plan indicates that is an example of a user-generated request which could be considered during the 10-year planning cycle. Should the need or desire to develop a shooting range occur, the FFS will submit a plan amendment to FDEP prior to beginning any work.

Fakahatchee Strand Preserve State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 77,814

County: Collier

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): P2000/CARL

Original Acquisition Date: 8/31/1994

Area Reviewed: Entire Property

Last Management Plan Approval Date: 8/19/2014

Review Date: 3/9/2023

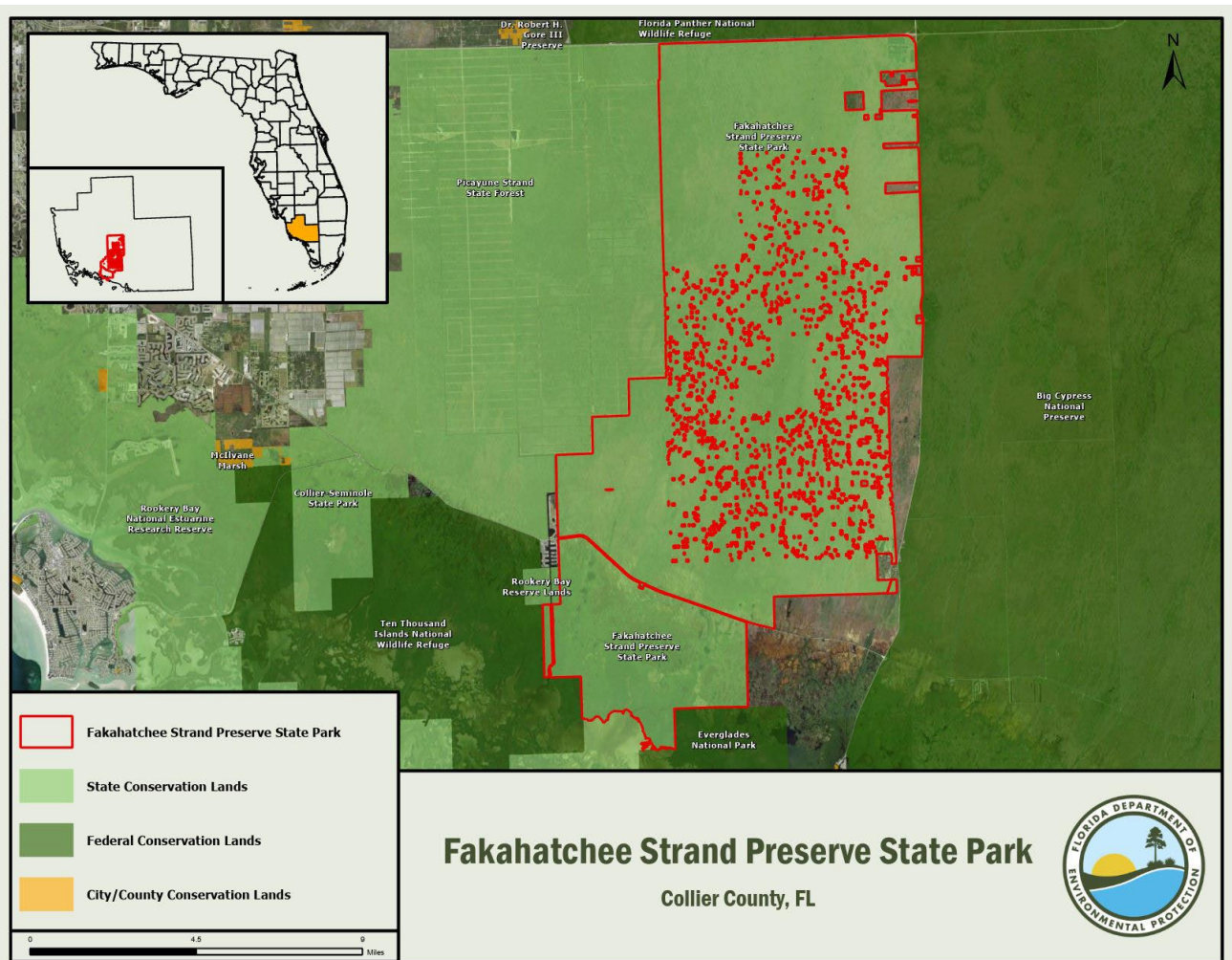
Agency Manager and Key Staff:

- Allen Murray, Park Manager
- Mike Owen, Park Biologist
- Tracy Muzyczka, DRP District
- Clark Ryals, FFS
- Local Gov't., None
- Marie Dessources, SFWMD
- Travis Mangione, FWC
- Conservation Org., None
- Kelly Dino, DEP District
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Jeffrey Carter, DEP/RCP

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Park Service (FPS) staff for their ongoing work to grow, empower, and utilize their relationship with their CSO/Friends group and volunteers. (5+, 0-)
2. The team commends park staff for their very effective efforts to build strong supportive partnerships helping them manage their natural resources from both a systems and single species perspective. (5+, 0-)
3. The team commends the tremendous improvements that park staff have been doing to improve hydrologic/geologic function through broad monitoring efforts guiding park actions increasing water conveyance through the strategic installation of culverts throughout the park. (5+, 0-)
4. The team commends park staff for maintaining pristine habitat for black rail, Florida panther, Everglades mink, and orchids. (5+, 0-)
5. The team commends park staff for growing interpretative and education opportunities with the new boardwalk and pavilions. (5+, 0-)
6. The team commends park staff for their utilization of workgroups to reduce the spread of exotics on the property. (5+, 0-)
7. The team commends park staff for their ability to actively engage volunteers and in turn provide educational outreach and opportunities for the public. (5+, 0-)
8. The team commends the efforts of park staff to continue the use of prescribed fire to maintain critical habitats within the park with limited staff and resources. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that additional staff be allocated to help manage the new facility so that existing management efforts do not suffer. (5+, 0-)

Table 25: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review	
Natural Communities / Forest Management	4.25	4.28	
Prescribed Fire / Habitat Restoration	4.19	4.73	
Hydrology	4.80	4.70	
Imperiled Species	4.80	4.45	
Exotic / Invasive Species	4.37	4.17	
Cultural Resources	3.70	4.50	
Public Access / Education / Law Enforcement	4.33	4.11	
Infrastructure / Equipment / Staffing	4.10	N/A	
Color Code (See Appendix A for detail)			
Excellent	Above Average	Below Average	Poor

Managing Agency Response: Additional staff can only be assigned to this or other park units if they are appropriated by the Legislature or reassigned from other units. Funding is determined annually by the Florida Legislature.

2. The team recommends that staff conduct wildlife surveys to collect quantitative population/abundance data over opportunistic observations. (5+, 0-)

Managing Agency Response: Primary inventory and monitoring focus must be on species that require special management attention. An all-species inventory generally must be a lower priority than actually conducting actions to manage habitats. As needed, costs for an inventory will be included in the unit management plan, but can only be allocated as funds become available on a statewide priority needs basis.

3. The team recommends continuing the monitoring of rare and endangered species. (5+, 0-)

Managing Agency Response: Monitoring of imperiled species will continue, as detailed in the Unit Management Plan.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically mesic flatwoods, wet flatwoods, rockland hammock, dome swamp, glades marsh, mangrove swamp, marl prairie, prairie mesic hammock, salt marsh, slough, strand swamp, marsh lake, swamp lake, blackwater stream, and estuarine unconsolidated substrate.**
2. **Listed species, listed animal and plant species in general, and specifically orchids, bromeliads, and stately maidenfern.**
3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, fire effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically protection and preservation.**
5. **Resource management (prescribed fire), specifically area being burned, frequency, and quality.**
6. **Restoration, specifically hydrological restoration, and cowhorn orchid restoration.**
7. **Forest management, specifically timber inventory.**
8. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals and pest/pathogens.**
9. **Hydro-alteration, specifically roads/culverts, ditches, hydro-period alteration, and water level alteration.**
10. **Ground water monitoring, specifically quantity.**
11. **Surface water monitoring, specifically quality, and quantity.**
12. **Resource protection, specifically boundary survey, signage, and law enforcement presence.**
13. **Adjacent property concerns, land use, specifically OHV use/unauthorized access, inholdings access, and inholdings and additions.**
14. **Public access, specifically roads, and parking.**
15. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
16. **Management resources, specifically waste disposal, sanitary facilities, buildings, and equipment.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

The review team scores did not identify items requiring improvement actions in the field.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

The review team scores did not identify items requiring improvements in the management plan.

Andrews Wildlife Management Area

Managed by: Florida Fish and Wildlife Conservation Commission

Acres: 3,582

County: Levy

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): CARL/SOR/P2000/Florida Forever

Original Acquisition Date: 3/14/85

Area Reviewed: Entire Property

Last Management Plan Approval Date: 10/18/19

Review Date: 4/4/23

Agency Manager and Key Staff:

- Norberto Fernandez, Area Biologist
- David Nicholson, District Biologist

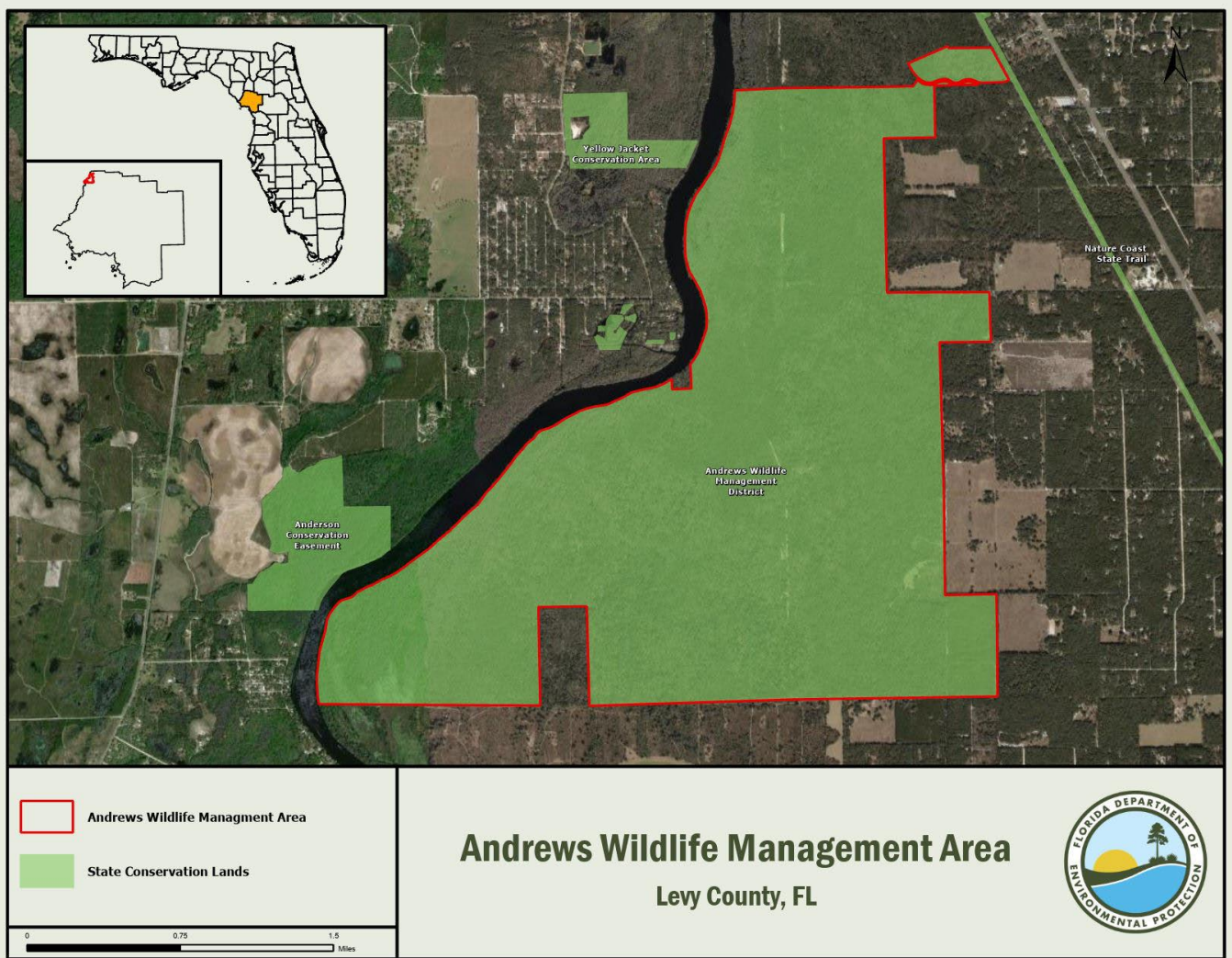
Review Team Members (voting)

- John Kilmer, DRP District
- Matt Weldon, Local Gov't.
- Rebecca Doane, FWC
- Jason Neumann, DEP District
- Jason Love, FFS
- Bill McKinstry, SRWMD
- Heather Evans, Conservation Org.
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 7, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 7, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the FWC for the interpretive guides and information available at the WMA. (7+, 0-)
2. The team commends the FWC for the use of prescribed fire in the upland mixed woodlands in the pine islands. (7+, 0-)
3. The team commends FWC on making a good management plan which makes it clear that the overall objective for the property is to manage and maintain the upland hardwood forest communities, offer high-quality hunts, and provide other passive recreation opportunities. (7+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that the food plots be planted with a mix of native wildflower and grass species proven to attract and nourish deer while also supporting native insects. (6+, 1-)

Managing Agency Response: FWC staff will evaluate the feasibility and appropriate native seed mixes suitable for the deep sandy soils of existing food plots. If determined feasible and appropriate, portions and/or select food plots will be planted with native seed mixes to test the effectiveness of the plantings. Remaining food plots or portions thereof will continue to be planted with annual agronomic crops to provide more forage diversity for improved wildlife viewing experiences and hunter satisfaction, especially during the winter months.

Table 26: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review	
Natural Communities / Forest Management	4.43	4.57	
Prescribed Fire / Habitat Restoration	4.46	4.80	
Hydrology	4.68	4.68	
Imperiled Species	4.75	5.00	
Exotic / Invasive Species	4.60	4.81	
Cultural Resources	4.79	4.79	
Public Access / Education / Law Enforcement	4.70	4.79	
Infrastructure / Equipment / Staffing	4.60	N/A	
Color Code (See Appendix A for detail)			
Excellent	Above Average	Below Average	Poor

Field Review Details

Field Review Checklist Findings

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

17. Natural communities, specifically alluvial forest, floodplain swamp, upland hardwood forest, upland mixed woodland, and xeric hammock.
18. Listed species, listed animal and plant species in general.
19. Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.
20. Resource management (prescribed fire), specifically area being burned, frequency, and quality.
21. Restoration, specifically restoration upland mixed woodland, 80 acre pine plantation, habitat restoration (33 acre clear cut) SE corner and NE restoration (35 acres).
22. Forest management, specifically timber inventory, timber harvesting, and site preparation.
23. Non-native, invasive, and problem species, specifically prevention and control of plants, animals, pest/pathogens.
24. Hydrologic/geologic function Hydro alteration, specifically roads/culverts.
25. Ground water monitoring, specifically quality, and quantity.
26. Resource protection, specifically boundary survey, gates and fencing, signage, and law enforcement presence.
27. Adjacent property concerns, land use, specifically expanding development, and inholdings and additions.
28. Public access, specifically roads, and parking.
29. Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.
30. Management resources, specifically waste disposal, sanitary facilities, buildings, equipment, staff, and funding.
31. Short-term goals, specifically habitat restoration and improvement.

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

The review team scores did not identify items requiring improvement actions in the field.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

The review team scores did not identify items requiring improvements in the management plan.

Cedar Key Scrub State Reserve

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 6,735

County: Levy

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): EEL

Original Acquisition Date: 12/27/1978

Area Reviewed: Entire Property

Last Management Plan Approval Date: 8/16/2019

Review Date: 4/5/2023

Agency Manager and Key Staff:

- Ferlain Hoover, Park Manager
- Dan Pearson, District Biologist
- Rick Owen, DRP District
- Jason Love, FFS
- Matt Weldon, Local Gov't.
- Wri Irby, SRWMD
- Danielle Ganas, FWC
- Heather Evans, Conservation Org.
- Caleb Johnston, DEP District
- Private Land Manager, None

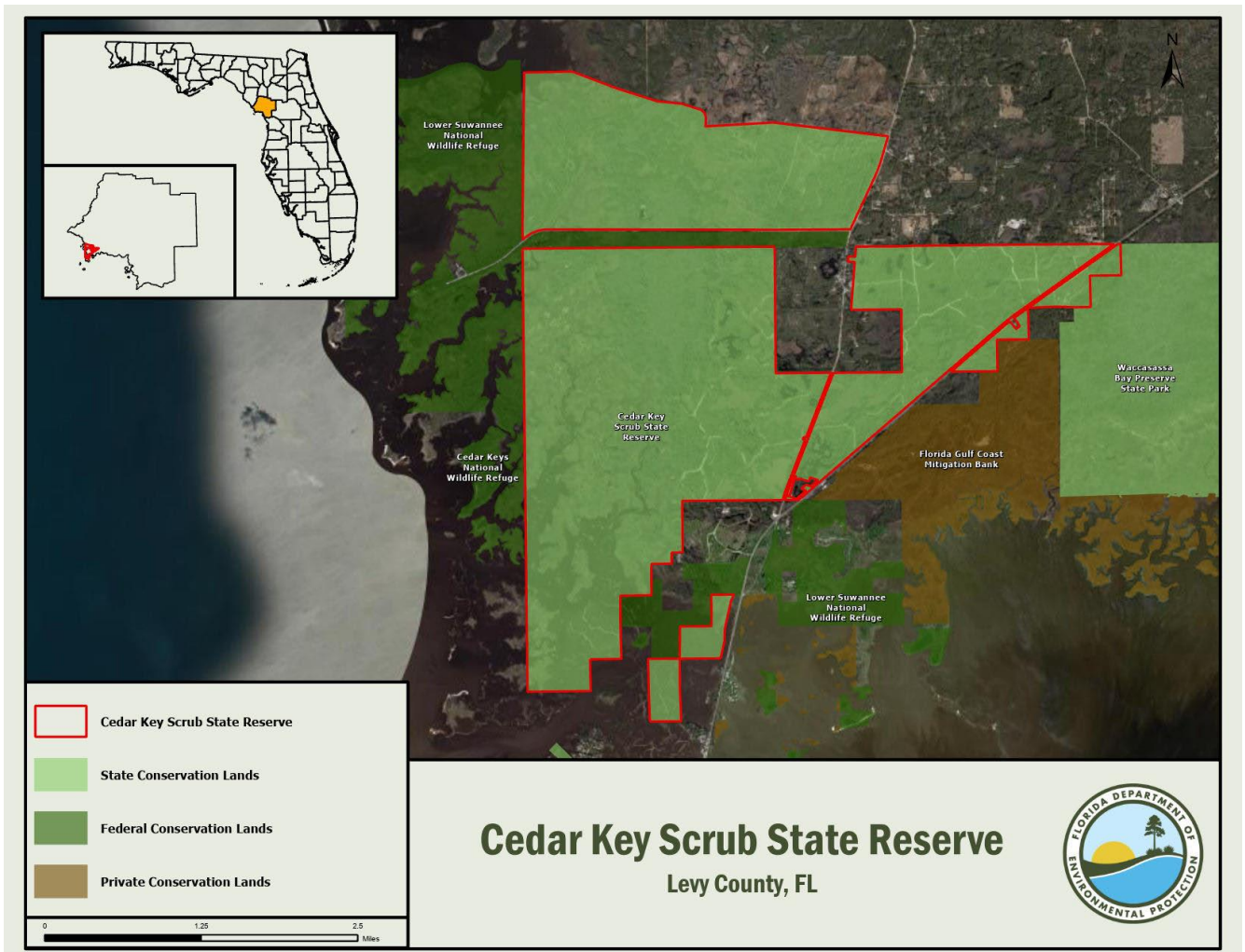
Review Team Members (voting)

- Rick Owen, DRP District
- Matt Weldon, Local Gov't.
- Danielle Ganas, FWC
- Caleb Johnston, DEP District

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Peter Tirrell, FNPS

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 7, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 7, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Park Service (FPS) staff use of iNaturalist for natural resources surveying. (7+, 0-)
2. The team commends park staff for the noticeable upkeep and general overall improvement of the property and structures at the park. (7+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that FPS work to safely implement prescribed fire in all backlogged acres. (7+, 0-)

Managing Agency Response: The Division recognizes this need and will continue to take steps to facilitate more prescribed burning in the park.

2. The team recommends that staff work with FWC to develop a long-term plan to reintroduce scrub jays. (7+, 0-)

Managing Agency Response: Park and District staff will continue its long-term partnership with state wildlife experts, especially FWC, to maintain, improve and develop potential restoration efforts, including a possible translocation of scrub jays to this unit.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically scrub, basin marsh, basin swamp, depression marsh, hydric hammock, mangrove swamp, salt marsh, blackwater stream, estuarine composite substrate, and estuarine mollusk reef.**

Table 27: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review	
Natural Communities / Forest Management	4.37	4.42	
Prescribed Fire / Habitat Restoration	3.47	4.55	
Hydrology	4.32	4.24	
Imperiled Species	4.46	4.54	
Exotic / Invasive Species	4.39	4.69	
Cultural Resources	4.14	4.57	
Public Access / Education / Law Enforcement	4.00	4.11	
Infrastructure / Equipment / Staffing	3.58	N/A	
Color Code (See Appendix A for detail)			
Excellent	Above Average	Below Average	Poor

2. **Listed species, listed animal and plant species in general, and specifically scrub jay, gopher tortoise and Florida salt marsh vole.**
3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Restoration, specifically pine plantation restoration.**
6. **Forest management, specifically timber inventory, and timber harvesting.**
7. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals and pest/pathogens.**
8. **Hydro-alteration, specifically roads/culverts, and ditches.**
9. **Ground water monitoring, specifically quality, and quantity.**
10. **Surface water monitoring, specifically quality, and quantity.**
11. **Resource protection, specifically boundary survey, gates and fencing, and law enforcement presence.**
12. **Adjacent property concerns, land use, specifically expanding development, and inholdings and additions.**
13. **Public access, specifically roads, and parking.**
14. **Environmental education and outreach, specifically management of visitor impacts.**
15. **Management resources, specifically waste disposal, buildings, and equipment.**
16. **Short-term goals, specifically public access and recreational opportunities, hydrological preservation and restoration, sustainable forest management, exotic and invasive species maintenance and control, and capital facilities and infrastructure.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Resource Management, Prescribed Fire, specifically area being burned (no. acres) frequency, and quality, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, to what degree prescribed fire is accomplished according to the objectives for prescribed fire management. The scores range from 1 to 5, with 1 being 0-20% accomplished, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: Within the next 5-year period, park staff will prioritize the number of acres, frequency and quality of prescribed fire within this unit in order to help reduce the ecological backlog of natural communities with fire-type acres.

2. Management Resources, specifically staff, and funding, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: DRP will continue to cultivate opportunities and partnerships with adjacent public landowners/agencies that have historically assisted with resource management accomplishments. However, no new staff can be assigned to this or any other park unit unless they are appropriated by the Legislature or reassigned from other units. The 2019 unit management plan addresses funding needs.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

The review team scores did not identify items requiring improvements in the management plan.

Alafia River State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 6,315

County: Hillsborough

Purpose(s) for Acquisition: To be managed for the protection and preservation of natural and cultural resources, and to provide compatible outdoor natural resource based recreational opportunities.

Acquisition Program(s): Donation

Original Acquisition Date: 12/19/96

Area Reviewed: Entire Property

Last Management Plan Approval Date: 8/16/19

Review Date: 5/2/23

Agency Manager and Key Staff:

- Cody Peters, Park Manager
- Courtney Nott, Park Service Specialist

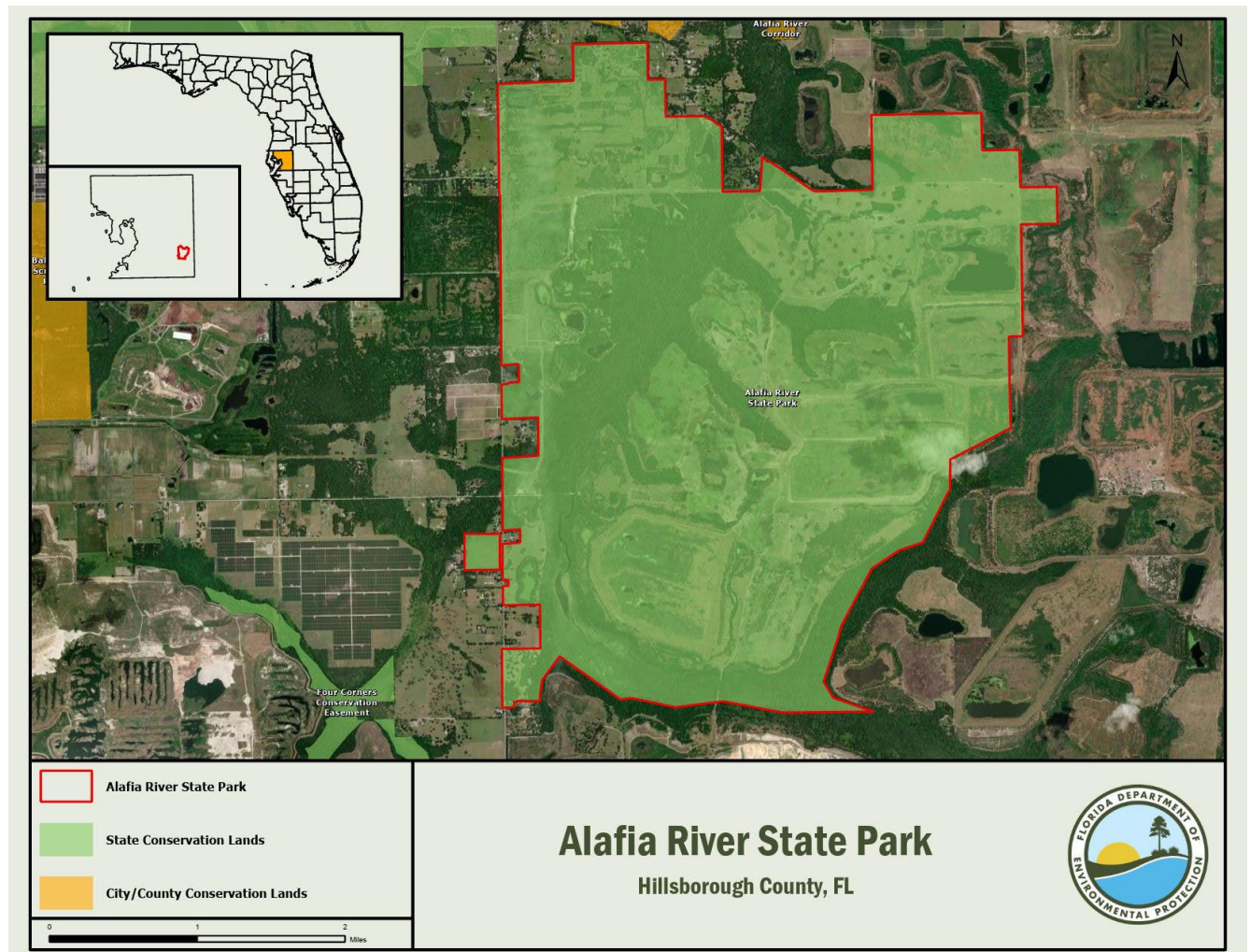
Review Team Members (voting)

- Tracy Muzyczka, DRP District
- Danielle Ivey, Local Gov't.
- Shawn Kelly, FWC
- Shamus Fitzpatrick, DEP District
- Mike Edwards, FFS
- Cody Phillips, SWFWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Jen McGann, DEP/DRP

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 6, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 6, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Park Service (FPS) staff for dedicating resources towards the improvement of the public trail system. (6+, 0-)
2. The team commends park staff for aggressively attacking invasive plants and pursuing revegetation opportunities. (6+, 0-)
3. The team commends park staff for partnering with other organizations to pursue wetland and hydrological restoration planning. (6+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

There were no consensus recommendations.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically mesic hammock, xeric hammock, baygall, bottomland forest, floodplain swamp, hydric hammock, and blackwater stream.**
2. **Natural resources survey/monitoring resources, specifically invasive species survey and monitoring.**
3. **Resource management (prescribed fire), specifically area being burned (no. acres), and frequency.**
4. **Non-native, invasive, and problem species, specifically control of plants, and animals.**
5. **Resource protection, specifically boundary survey, gates and fencing, and signage.**
6. **Adjacent property concerns, land use, specifically expanding development, and inholdings and additions.**
7. **Public access, specifically roads, and parking.**

Table 28: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	3.49	3.90
Prescribed Fire / Habitat Restoration	4.28	4.40
Hydrology	3.23	3.31
Imperiled Species	3.64	4.02
Exotic / Invasive Species	3.81	3.86
Cultural Resources	3.42	4.08
Public Access / Education / Law Enforcement	4.19	3.68
Infrastructure / Equipment / Staffing	3.93	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

- 8. Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
- 9. Management resources, specifically waste disposal, sanitary facilities, and buildings.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Forest Management, specifically timber harvesting, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether forest management is sufficient.

Managing Agency Response: Timber harvesting will be used as a tool to supplement other activities for improving habitat conditions of this formerly mined land. The long-term goal is to move these highly disturbed areas towards desired natural community conditions using invasive species management, fire, reforestation, groundcover restoration, and timber harvesting.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Adjacent Property Concerns, specifically discussion of potential surplus land determination, and surplus lands identified, received below average scores. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: On page 90 of the management plan, the Optimum Boundary map (pg 91) addresses surplus lands, of which none have been identified. Adjacent property concerns including discussion of potential surplus land determination will be more thoroughly addressed in the next management plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

Double Branch Bay Preserve

Managed by: Hillsborough County

Acres: 1,548

County: Hillsborough

Purpose(s) for Acquisition: To be managed for the protection and preservation of natural and cultural resources, and to provide compatible outdoor natural resource based recreational opportunities.

Acquisition Program(s): CARL

Original Acquisition Date: 7/16/85

Area Reviewed: Entire Property

Last Management Plan Approval Date: 10/18/19

Review Date: 5/3/23

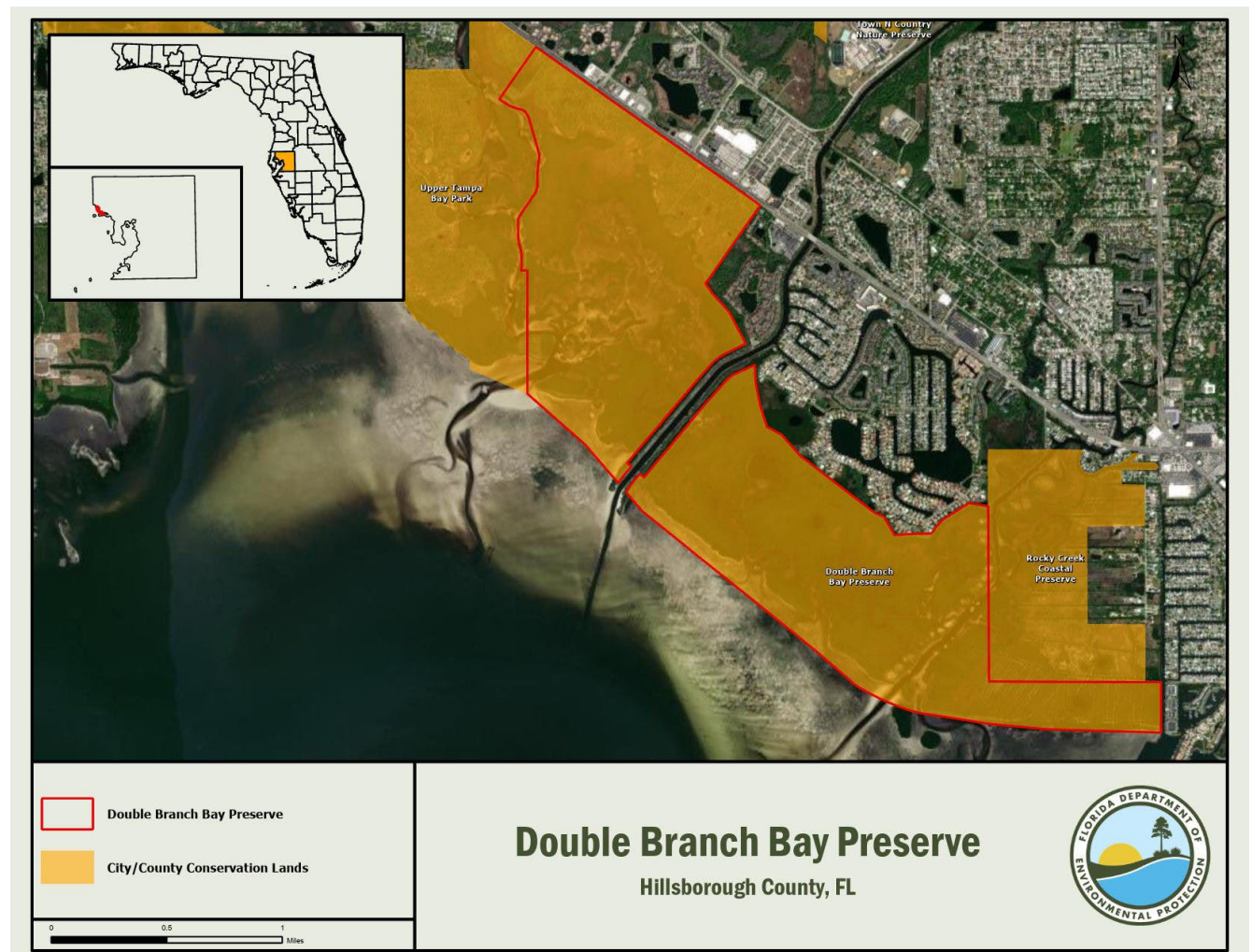
Agency Manager and Key Staff:

- Patrick Heggy, Manager
 - Rose O'Donovan
 - Joselee Burgos
 - Bernie Kaiser
- Review Team Members (voting)**
- Tracy Muzyczka, DRP District
 - Mary Barnwell, Local Gov't.
 - Nathan Michael, FWC
 - Allie Sides, DEP District
 - Mike Edwards, FFS
 - WMD, None
 - Conservation Org., None
 - Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the staff for successfully managing the prescribed fire program in a very difficult location considering the constraints. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that if logistical concerns prohibit safe prescribed fire, then the decision should be made to plan and manage for successional hammock. (5+, 0-)

Managing Agency Response: The county agrees with the team’s recommendations of managing for a successional hammock vs the risks of a prescribed fire with proximity to a major multi-lane highway.

2. The team recommends that staff collect summaries of monitoring and data analysis being conducted by others, such as surface water monitoring, seagrass beds, oyster beds, etc. (5+, 0-)

Managing Agency Response: Since the county does not have adequate staff nor equipment to do this type of monitoring. The county agrees with using outside agencies for collecting summaries of the similar habitats such as seagrass beds and oyster beds.

Table 29: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	3.66	4.18
Prescribed Fire / Habitat Restoration	3.07	4.20
Hydrology	3.13	3.31
Imperiled Species	3.80	5.00
Exotic / Invasive Species	3.67	4.30
Cultural Resources	3.50	4.50
Public Access / Education / Law Enforcement	3.80	4.02
Infrastructure / Equipment / Staffing	3.07	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

Field Review Details

Field Review Checklist Findings

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

1. Natural communities, specifically salt marsh, and mollusk reef.
2. Listed species, plants in general.

3. **Natural resources survey/monitoring resources, specifically invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey.**
5. **Non-native, invasive, and problem species, specifically control of plants.**
6. **Resource protection, specifically boundary survey, gates and fencing, and law enforcement presence.**
7. **Adjacent property concerns, land use, specifically Hillsborough Avenue expansion.**
8. **Environmental education and outreach, specifically management of visitor impacts.**
9. **Management resources, specifically equipment.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Natural Resources Survey, specifically other habitat management effects monitoring, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether survey and monitoring of the resources or their habitats are sufficient.

Managing Agency Response: Per the management plan, the county provides adequate monitoring for flora and fauna on the uplands portion of the property. There are areas of the property (seagrass beds, oyster beds, etc.) that the county does not have the personal nor the equipment to properly monitor these habitats. As stated above on page 4, the county will use outside agencies that collect this type of information for the entire bay.

2. Resource Management, Prescribed Fire, specifically frequency, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, to what degree prescribed fire is accomplished according to the objectives for prescribed fire management. The scores range from 1 to 5, with 1 being 0-20% accomplished, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: The previous statement (pg.4) from the team “The team recommends that if logistical concerns prohibit safe prescribed fire, then the decision should be made to plan and manage for successional hammock.” The county agrees with the team’s decision to manage for a successional hammock due to risks of prescribed fire and the logistical concerns based on the proximity to a busy, multi-lane highway.

3. Management Resources, specifically staff, and funding, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: The county provides funding to the department as a whole. There is no individual funding per property and no ability to add more personal to individual properties. All properties that the county maintains, including double branch, get multiple visits per year for mowing, trimming, monitoring and exotic control. Due to the low elevation of this property, there are times throughout the year that this property is not accessible by county personnel due to rainfall and/or tropical disturbances.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

The review team scores did not identify items requiring improvements in the management plan.

Balm Boyette Scrub Preserve

Managed by: Hillsborough County

Acres: 4,933

County: Hillsborough

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): P2000/CARL

Original Acquisition Date: 1992

Area Reviewed: BOT-owned portions (3,716 acres) **Last Management Plan Approval Date:** 12/10/10

Review Date: 5/5/23

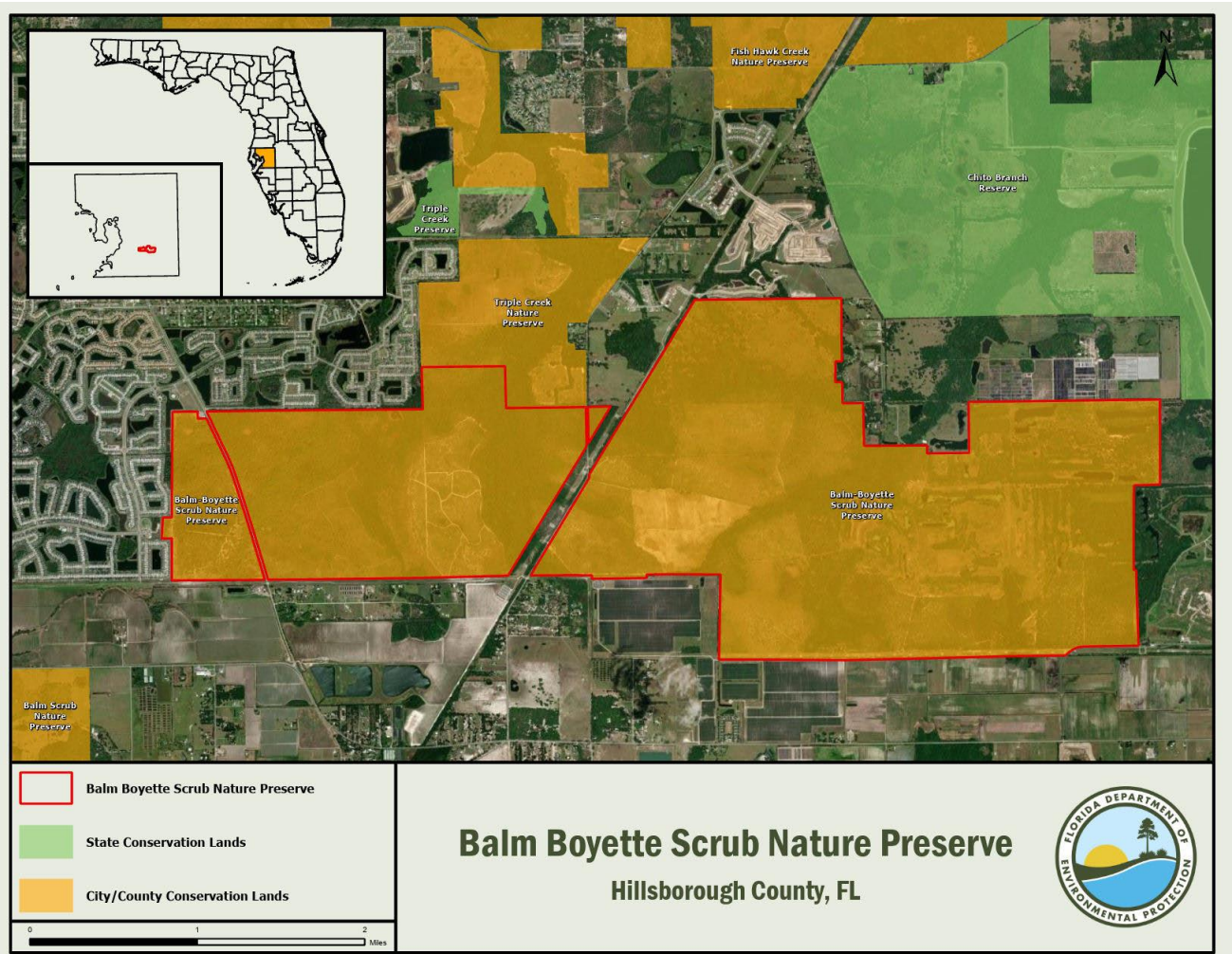
Agency Manager and Key Staff:

- Danielle Ivey, Manager
- Bernie Kaiser
- Jen McGann, DRP District
- Mike Edwards, FFS
- Mary Barnwell, Local Gov't.
- Mark Maggard, SWFWMD
- Ethan Noel, FWC
- Conservation Org., None
- Hannah Teague, DEP District
- Joe Sumner, Private Land Manager

Non-Team Members (attending)

- Keith Singleton, DEP/DSL

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 6, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 6, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the staff for conducting prescribed fire despite challenges of adjacent residential areas. (6+, 0-)
2. The team commends the staff for updating the timber assessment and implementing a timber harvest for restoration and prescribed fire facilitation. (6+, 0-)
3. The team commends the staff on the Stallion Hammock hydrologic restoration. (6+, 0-)
4. The team commends the staff for improving habitat with limited personnel and resources. (6+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

There were no consensus recommendations.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically scrubby flatwoods, dome swamp, hydric hammock, and depression marsh.**
2. **Resource management (prescribed fire), specifically area being burned.**
3. **Non-native, invasive, and problem species, specifically prevention of plants.**
4. **Hydro-alteration, specifically ditches.**
5. **Resource protection, specifically boundary survey, gates and fencing, signage, and law enforcement presence.**

Table 30: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review	
Natural Communities / Forest Management	3.80	4.10	
Prescribed Fire / Habitat Restoration	3.64	4.35	
Hydrology	3.75	3.50	
Imperiled Species	3.83	4.08	
Exotic / Invasive Species	3.42	3.83	
Cultural Resources	3.70	3.33	
Public Access / Education / Law Enforcement	4.20	4.23	
Infrastructure / Equipment / Staffing	3.78	N/A	
Color Code (See Appendix A for detail)			
Excellent	Above Average	Below Average	Poor

6. **Adjacent property concerns, land use, specifically expanding development, and inholdings and additions.**
7. **Public access, specifically roads, and parking**
8. **Environmental education and outreach, specifically recreational opportunities, and management of visitor impacts.**
9. **Management resources, specifically waste disposal, sanitary facilities, and buildings.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Public Access & Education, specifically wildlife, and invasive species, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether public access & education are sufficient.

Managing Agency Response: With the addition of our new hiking trail, outreach now has a vehicle in which to take the public out to discuss wildlife, habitats found on the preserve and invasive species. One staff member has also been trained through the Bike Instructor Certification Program (BICP) as a ride leader. With this, Outreach and that staff member has talked about leading mountain bike rides to discuss the property as well as offering hikes.

2. Management Resources, specifically staff, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: Staff retention has been more of a challenge in the past few years just as it has been for other agencies. The department is constantly evaluating the needs of the managed lands with the most economical and efficient way to utilize staff. Balm Boyette Scrub Preserve (BBS) is one of our most popular Preserves due to the mountain biking community. It is also ecologically important due to the amount of scrub we have on the property. We feel we have been able to balance the needs of BBS with other preserves with no detriment to either. As with most agencies, the department would welcome more staff and equipment. We will continue to evaluate need each budget year.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Adjacent Property Concerns, specifically discussion of potential surplus land determination, received a below average score. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: This will be discussed and remedied in the new management plan.

Anastasia State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 1,593

County: St. Johns

Purpose(s) for Acquisition: to develop, operate, and maintain the property for outdoor recreation, park, conservation, historic, and related purposes.

Acquisition Program(s): SOC Program

Original Acquisition Date: 3/31/49

Area Reviewed: Entire Property

Last Management Plan Approval Date: 6/17/16

Review Date: 5/23/23

Agency Manager and Key Staff:

- Michael Watkins, Park Manager

Review Team Members (voting)

- Alice Bard, DRP District
- Local Gov't., None
- Hailey Garcia, FWC
- Shamus Fitzpatrick, DEP District
- Jon Johnson, FFS
- Chris Kinslow, SJRWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Aaron Johnson, FWC

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see *Appendix A*.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Park Service (FPS) for balancing recreation management with natural resource and imperiled species management. (5+, 0-)
2. The team commends park staff for working with neighboring properties like the Embassy and the Elks Lodge to educate the public and encourage protection of listed species. (5+, 0-)
3. The team commends FPS on their excellent coordination and management of imperiled beach-nesting birds and working closely with the FWC. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that the FPS explore additional considerations for Gopher Tortoise monitoring. (5+, 0-)

Managing Agency Response: Primary inventory and monitoring focus must be on species that require special management attention. All-species inventory generally must be a lower priority than actually conducting actions to manage habitats. As needed, costs for inventory will be included in the unit management plan but can only be allocated as funds become available on a statewide priority needs basis.

Table 31: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.60	4.63
Prescribed Fire / Habitat Restoration	4.80	4.40
Hydrology	4.13	3.98
Imperiled Species	4.47	4.47
Exotic / Invasive Species	4.37	4.40
Cultural Resources	4.60	4.80
Public Access / Education / Law Enforcement	4.52	4.11
Infrastructure / Equipment / Staffing	3.90	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically beach dune, maritime hammock, salt marsh, marine/estuarine unconsolidated substrate, coastal interdunal swale, and coastal grassland.**

2. **Listed species, animals in general, and specifically Anastasia Island beach mouse, shorebirds, sea turtles, and gopher tortoise.**
3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural Resources, specifically cultural resource survey, and protection and preservation.**
5. **Resource management (prescribed fire), specifically area being burned (no. acres), frequency, and quality.**
6. **Non-native, invasive, and problem species, specifically control of plants, animals, and pest/pathogens.**
7. **Hydro-alteration, specifically roads and culverts, and hydro-period alteration**
8. **Surface water monitoring, specifically quality.**
9. **Resource protection, specifically boundary survey, gates and fencing, signage, and law enforcement presence.**
10. **Adjacent property concerns, land use, specifically exotics from adjacent residential, and inholdings and additions.**
11. **Public access, specifically roads, parking and boat access.**
12. **Environmental education and outreach, specifically wildlife, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
13. **Management resources, specifically waste disposal, sanitary facilities, buildings, and equipment.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Management Resources, specifically funding, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: Division funding is appropriated annually by the Florida Legislature. This funding is allocated at the Division and District levels in order to best meet annual operational and resource management needs. Any deemed increase in Division Budget/staffing will follow the established legislative budget request process.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Adjacent Property Concerns, specifically discussion of potential surplus land determination, and surplus lands identified, received below average scores. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: The Division will address adjacent property concerns and the determination of surplus lands in the next management plan update.

Matanzas State Forest

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

Acres: 4,700

County: St. Johns

Purpose(s) for Acquisition: Matanzas State Forest was acquired as part of the Northeast Florida Blueways Project. The forest was identified for acquisition by the SJRWMD in order to protect a regionally significant wood stork rookery, water resource, and ecological functions; and is recognized as a shared acquisition project with the Florida Forever acquisition program.

Acquisition Program(s): Florida Forever

Area Reviewed: Entire Property

Original Acquisition Date: 4/07/03

Last Management Plan Approval Date: 8/24/18

Review Date: 5/24/23

Agency Manager and Key Staff:

- Jeff Darr, Manager

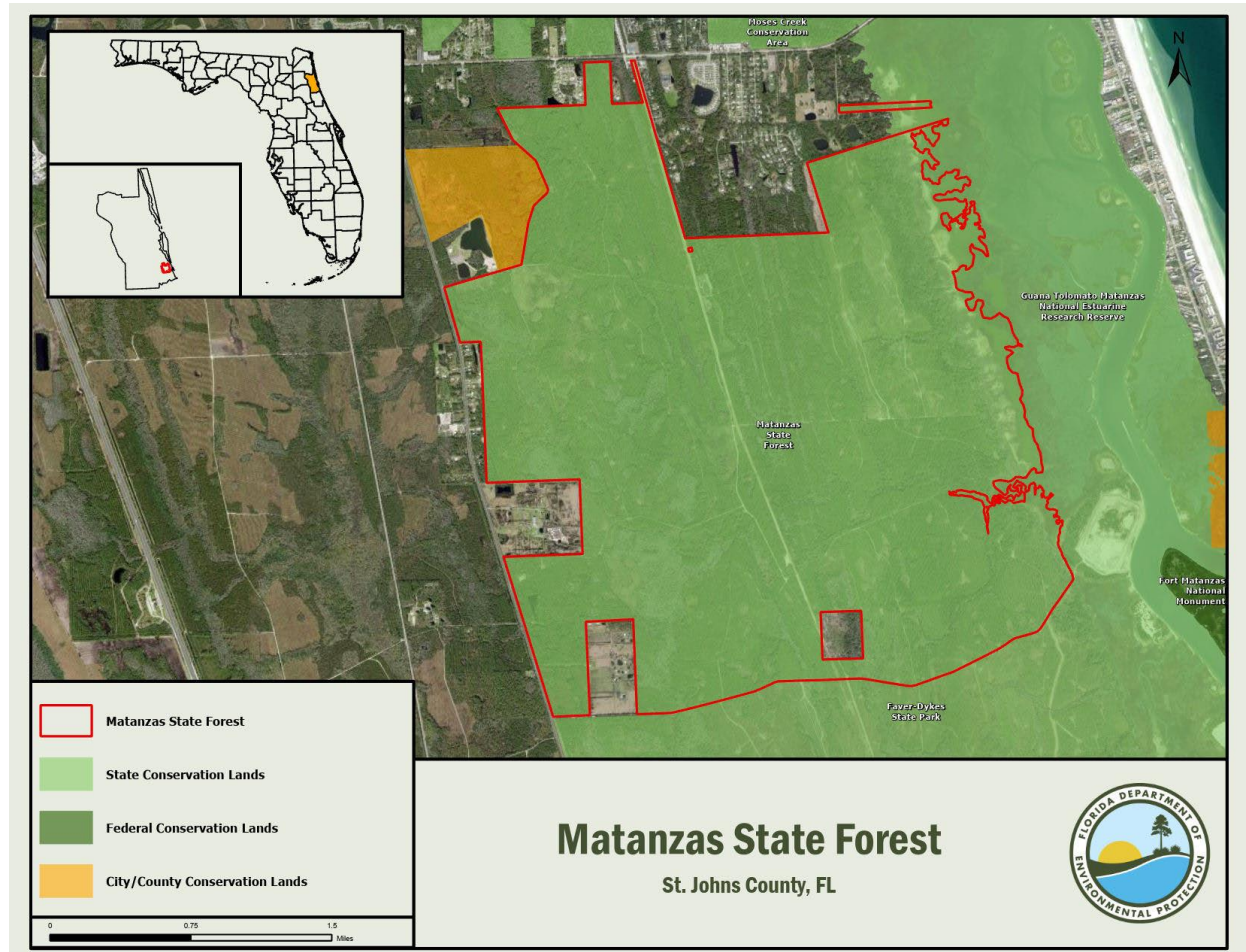
Review Team Members (voting)

- Mark Romagosa, DRP District
- Local Gov't., None
- Jess Rodriguez, FWC
- Mark Farajian, DEP District
- Jason Love, FFS
- Nathaniel Mouzon, SJRWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Lia Sansom, DEP/RCP

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Forest Service (FFS) for collaborating and working with neighboring land managers, especially GTMNERR and Faver-Dykes SP. (5+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that the FFS work on implementing prescribed fire on the western portion of the forest in the proper fire return interval. (5+, 0-)

Managing Agency Response: The FFS will work on implementing prescribed fire on the western portion of the forest and reaching the appropriate fire return intervals. All of the pine stands have been thinned on the western portion of the forest, and an understory herbicide treatment was conducted in these stands. Funding for understory mowing in these areas has been allocated. The combination of thinning, understory herbicide treatment, and mowing will aid in prescribed burning. A main concern/issue is smoke management on US Highway 1 and conducting a prescribed burn with little to no impacts on this major thoroughfare.

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically basin marsh, basin swamp, depression marsh, dome swamp, mesic flatwoods, mesic hammock, salt marsh, scrubby flatwoods, unconsolidated substrate, wet flatwoods, and xeric hammock.**
2. **Listed species, animals and plants in general.**

Table 32: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.84	4.89
Prescribed Fire / Habitat Restoration	3.55	4.68
Hydrology	4.40	4.70
Imperiled Species	4.50	4.75
Exotic / Invasive Species	4.59	4.59
Cultural Resources	4.80	4.90
Public Access / Education / Law Enforcement	4.49	4.68
Infrastructure / Equipment / Staffing	3.66	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

3. **Natural resource survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Restoration, specifically hydrology.**
6. **Forest management, specifically timber inventory, timber harvesting, and reforestation/afforestation.**
7. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals and pests/pathogens.**
8. **Hydrologic/geologic function hydro-alteration, roads and culverts, and ditches.**
9. **Resource protection, specifically boundary survey, gates and fencing, signage, and law enforcement presence.**
10. **Adjacent property concerns, specifically expanding development, exotics from adjacent residential and inholdings and additions.**
11. **Public access, specifically roads, and parking.**
12. **Environmental education and outreach, specifically wildlife, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
13. **Management resources, specifically equipment.**
14. **Short-term goals, specifically public access and recreational opportunities.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Resource Management, Prescribed Fire, specifically frequency, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, to what degree prescribed fire is accomplished according to the objectives for prescribed fire management. The scores range from 1 to 5, with 1 being 0-20% accomplished, 2 being 21-40%, 3 being 41-60%, 4 being 61-80% and 5 being 81-100%.

Managing Agency Response: The FFS will continue to work toward increasing the acres burned and reaching the appropriate fire return intervals.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Adjacent Property Concerns, specifically discussion of potential surplus land determination, received a below average score. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: The FFS will include a discussion about potential surplus land determination in the next management plan revision.

Dunn's Creek State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 6,303

County: Putnam

Purpose(s) for Acquisition: To protect habitat for such wildlife as manatee - which occasionally use the creek - gopher tortoise, and wading birds, and will give the public a scenic area in which to enjoy a host of activities such as canoeing, camping, and hiking.

Acquisition Program(s): P2000 / CARL

Original Acquisition Date: 10/10/01

Area Reviewed: Entire Property

Last Management Plan Approval Date: 2/15/19

Review Date: 5/26/23

Agency Manager and Key Staff:

- Katrina Boler, Park Manager

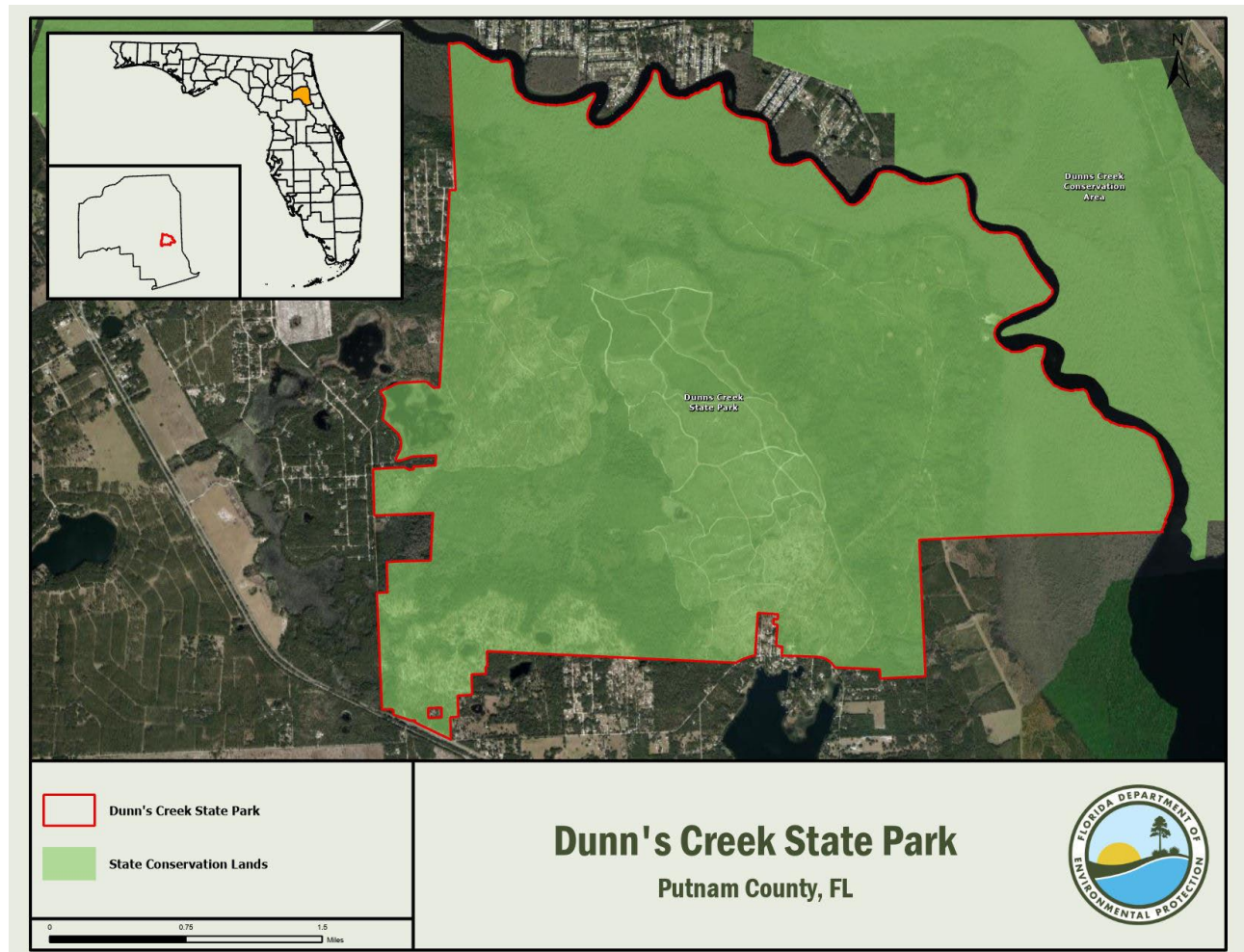
Review Team Members (voting)

- Jason DePue, DRP District
- Local Gov't., None
- Jess Rodriguez, FWC
- Steven Krupka, DEP District
- Jason Love, FFS
- Chris Kinslow, SJRWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Jasmin Linkutis, DEP/DRP

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 5, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 5, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Park Service (FPS) staff for their fire management and restoration efforts undertaken at the park. (5+, 0-)
2. The team commends DRP staff for their emphasis on imperiled species conservation on the area through habitat restoration, wildlife surveys, and working with partners to potentially translocate Florida scrub jays onto the area. (6+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that future longleaf pine plantings be no less than 500 trees per acre to alleviate survival issues. (5+, 0-)

Managing Agency Response: When needed, 500 trees per acre or more will be planted in areas with xeric soils that typically have a low survival rate. Otherwise, 350-400 trees per acre will be the target for areas that are more mesic in nature.

Table 33: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.52	4.76
Prescribed Fire / Habitat Restoration	4.50	4.60
Hydrology	4.65	4.41
Imperiled Species	4.80	4.53
Exotic / Invasive Species	4.60	4.57
Cultural Resources	4.90	5.00
Public Access / Education / Law Enforcement	4.46	4.64
Infrastructure / Equipment / Staffing	3.53	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

Field Review Details

Field Review Checklist Findings

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

1. Natural communities, specifically scrub, xeric hammock, scrubby flatwoods, shell mound, mesic flatwoods, mesic hammock, upland hardwood forest, baygall, depression marsh, bottomland forest, alluvial forest, floodplain swamp, wet prairie, prairie lake, sinkhole, sinkhole lake, blackwater stream, seepage stream, and hydric hammock.
2. Listed species, animals and plants in general, and specifically *Conradina cygniflora*.

3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Resource management (prescribed fire), specifically area being burned (no. acres), frequency, and quality.**
6. **Restoration, specifically scrub, sandhill, and wet flatwoods.**
7. **Forest management, specifically timber inventory, and timber harvesting, and reforestation/afforestation.**
8. **Non-native, invasive, and problem species, specifically control of plants, animals, and pest/pathogens.**
9. **Hydro-alteration, specifically roads and culverts, ditches, and hydro-period alteration.**
10. **Ground water monitoring, specifically quality, and quantity.**
11. **Resource protection, specifically boundary survey, gates and fencing, and signage.**
12. **Adjacent property concerns, land use, specifically expanding development, adjacent invasive plant, and inholdings and additions.**
13. **Public access, specifically roads, parking, and boat access (kayak & canoe).**
14. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
15. **Management resources, specifically waste disposal, and sanitary facilities.**
16. **Short-term goals, specifically habitat restoration and improvement, public access and recreational opportunities, capital facilities and infrastructure, and imperiled species habitat maintenance.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Management Resources, specifically staff, and funding, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: No new staff can be assigned to this or any other park unit unless they are appropriated by the Legislature or reassigned from other units. Funding is determined annually by the Florida Legislature.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Adjacent Property Concerns, specifically discussion of potential surplus land determination, received a below average score. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: At the time that the last plan was written, a discussion of possible surplus lands was included but the process in which those decisions were made was not described nor were the properties listed. This information will be included in the next UMP for the park. The current plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

Curry Hammock State Park

Managed by: Department of Environmental Protection, Florida Park Service

Acres: 1,113

County: Monroe

Purpose(s) for Acquisition: To be managed for the protection and preservation of natural and cultural resources, and to provide compatible outdoor natural resource based recreational opportunities.

Acquisition Program(s): P2000 / CARL

Original Acquisition Date: 9/10/91

Area Reviewed: Entire Property

Last Management Plan Approval Date: 12/16/16

Review Date: 6/6/23

Agency Manager and Key Staff:

- Daniel Osborn, Park Manager
- Janice Duquesnel, Park Biologist
- Miranda Murphy, PSS

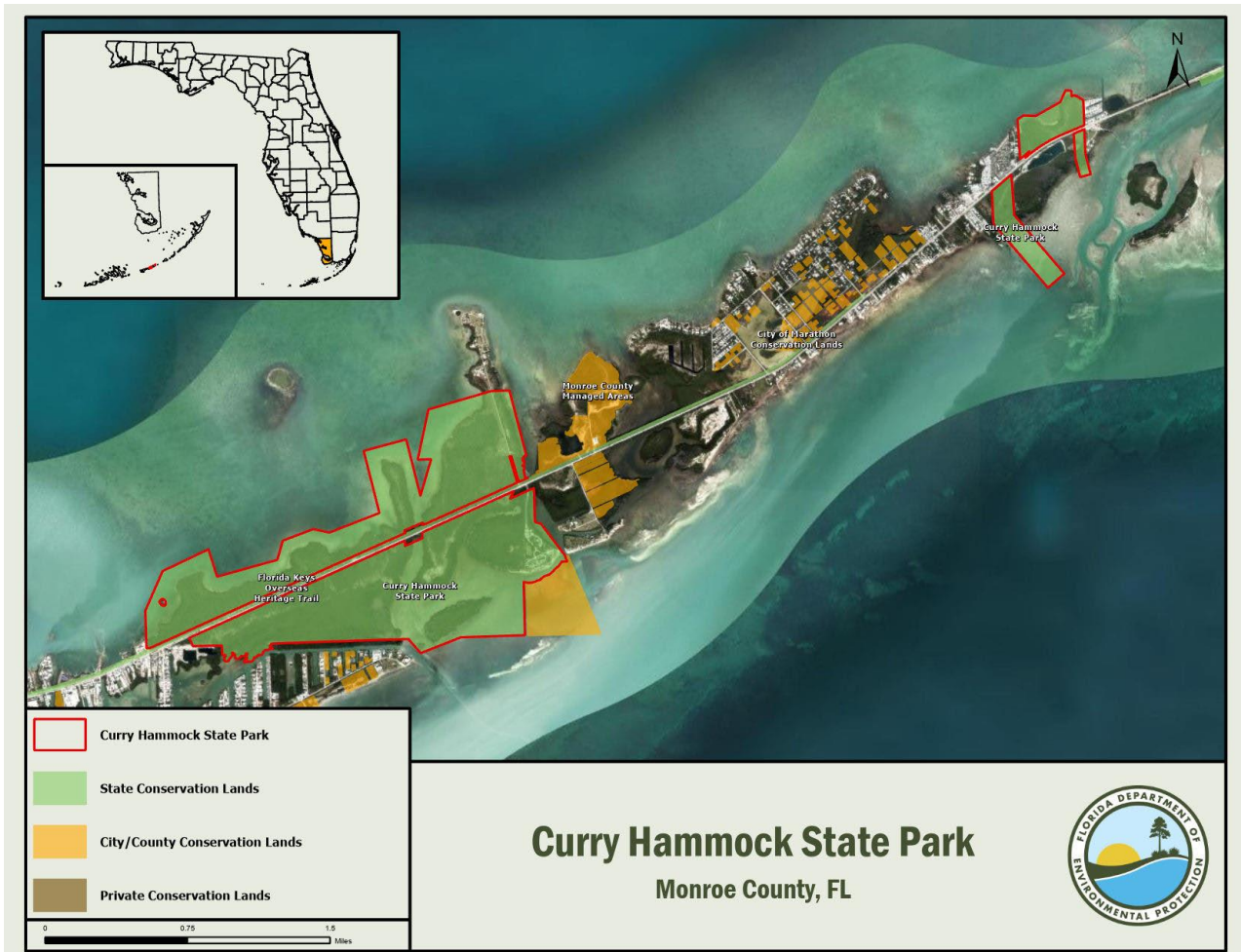
Review Team Members (voting)

- Rebecca Collins, DRP District
- Beth Bergh, Local Gov't.
- Jeannette Parker, FWC
- Laura Pardel, DEP District
- Kevin McEwan, FFS
- Marie Dessources, SFWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Nick Parr, DEP/RCP

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 6, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 6, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the Florida Park Service (FPS) staff for the excellent efforts with regards to the environmental interpretation at the park. (6+, 0-)
2. The team commends DRP staff for their use of volunteers to support public use and wildlife monitoring on the management area. (6+, 0-)
3. The team commends DRP staff for time devoted to public activities/outreach. (6+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that the FPS add submerged resource monitoring to the plan to identify any scars that may need restoration in the seagrass ecosystem. (5+, 0-)

Managing Agency Response: Submerged resources monitoring will be more thoroughly addressed in the next plan update. The current management plan was reviewed by the relevant agencies and was in full compliance with Chapters 253 and 259, F.S., and Chapter 18-2, F.A.C., when it was approved by ARC.

Field Review Details

Field Review Checklist Findings

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

1. Natural communities, specifically coastal berm, coastal rock barren, rockland hammock, marine composite substrate, marine consolidated substrate, marine grass bed, marine tidal marsh, marine tidal swamp, marine unconsolidated substrate, and beach dune.
2. Listed species, animals and plants in general, and specifically loggerhead turtle, piping plover, and false boxwood.

Table 34: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review
Natural Communities / Forest Management	4.46	4.80
Prescribed Fire / Habitat Restoration	3.44	4.02
Hydrology	4.17	4.25
Imperiled Species	4.39	4.31
Exotic / Invasive Species	4.03	3.83
Cultural Resources	4.25	4.42
Public Access / Education / Law Enforcement	4.36	3.97
Infrastructure / Equipment / Staffing	3.97	N/A
Color Code (See Appendix A for detail)		
Excellent	Above Average	Below Average
		Poor

3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Resource management (prescribed fire), specifically quality.**
6. **Restoration, specifically beach dune restoration, and tidal flow restoration.**
7. **Forest management, specifically timber inventory, and timber harvesting, and reforestation/afforestation.**
8. **Non-native, invasive, and problem species, specifically prevention of plants, and prevention and control of animals, and pest/pathogens.**
9. **Hydro-alteration, specifically roads and culverts, and ditches.**
10. **Resource protection, specifically boundary survey, gates and fencing, signage, and law enforcement presence.**
11. **Public access, specifically parking, and boat access.**
12. **Environmental education and outreach, specifically wildlife, invasive species, habitat management activities, interpretive facilities and signs, recreational opportunities, and management of visitor impacts.**
13. **Management resources, specifically waste disposal, sanitary facilities, buildings, and equipment.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Restoration, specifically borrow pit seagrass restoration, received a below average score. The review team is asked to evaluate, based on information provided by the managing agency, whether restoration is sufficient.

Managing Agency Response: Restoration, specifically borrow pit restoration was evaluated after completion of the current plan and it has been determined that the borrow pit seagrass restoration project is not feasible. It will be removed from the next management plan.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Adjacent Property Concerns, specifically discussion of potential surplus land determination, and surplus lands identified, received below average scores. This is an indication that the management plan does not sufficiently address adjacent property.

Managing Agency Response: The Division will address adjacent property concerns and the determination of surplus lands in the update of the management plan.

Florida Keys Wildlife and Environmental Area

Managed by: Florida Fish and Wildlife Conservation Commission

Acres: 3,089

County: Monroe

Purpose(s) for Acquisition: to protect and restore the natural and cultural values of the property and provide the greatest benefit to the citizens of the state.

Acquisition Program(s): CARL, P2000, Florida Forever

Original Acquisition Date: 7/7/97

Area Reviewed: Entire Property

Last Management Plan Approval Date: 2/19/16

Review Date: 6/8/23

Agency Manager and Key Staff:

- Jeannette Parker, Area Manager
- Daniel Mitchell, District Biologist
- Marsha Ward, Regional Biologist

Review Team Members (voting)

- Janice Duquesnel, DRP District
- Beth Bergh, Local Gov't.
- Eric Suarez, FWC
- Alicia Cedeno Salgado, DEP District
- Kevin Macewan, FFS
- Marie Dessources, SFWMD
- Conservation Org., None
- Private Land Manager, None

Non-Team Members (attending)

- Keith Singleton, DEP/DSL
- Laura Pardal, DEP

Property Map



Overview of Land Management Review Results

Is the property managed for purposes that are compatible with conservation, preservation, or recreation?

Yes = 6, No = 0

Are the management practices, including public access, in compliance with the management plan?

Yes = 6, No = 0

Table 1 shows the average scores received for each applicable category of review. *Field Review* scores refer to the adequacy of management actions in the field, while *Management Plan Review* scores refer to adequacy of discussion of these topics in the management plan. Scores range from 1 to 5 with 5 signifying excellence. For a more detailed key to the scores, please see Appendix A.

Consensus Commendations for the Managing Agency

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

1. The team commends the FWC for the work done to locate and protect freshwater wetlands on the WEA. (6+, 0-)
2. The team commends the FWC for their interagency/intraagency cooperation. (6+, 0-)
3. The team commends the staff for their exotics removal program. (6+, 0-)
4. The team commends the staff for going above and beyond in regards the monitoring of many listed species and species of greatest conservation need. (6+, 0-)
5. The team commends the staff for continuing wildlife monitoring program. (6+, 0-)
6. The team commends the staff for the dedication staff have to responding to and removal of trash and debris throughout the year but especially after high tide and storm events. (6+, 0-)

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The next management plan update should include information about how these recommendations have been addressed:

1. The team recommends that the FWC staff obtain sufficient vehicles considering the amount of area that they are responsible for protecting. (6+, 0-)

Managing Agency Response: Each staff member assigned to the FKWEA has an assigned vehicle. The FWC will continue to prioritize vehicle repairs and replacements as funding allows.

Table 35: Results at a glance.

Major Land Management Categories	Field Review	Management Plan Review	
Natural Communities / Forest Management	4.60	3.89	
Prescribed Fire / Habitat Restoration	4.83	3.83	
Hydrology	4.53	3.83	
Imperiled Species	4.80	3.81	
Exotic / Invasive Species	4.72	4.00	
Cultural Resources	4.67	4.75	
Public Access / Education / Law Enforcement	4.18	3.67	
Infrastructure / Equipment / Staffing	3.07	N/A	
Color Code (See Appendix A for detail)			
Excellent	Above Average	Below Average	Poor

Field Review Details

Field Review Checklist Findings

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

1. **Natural communities, specifically rockland hammock, mangrove swamp, coastal rock barren, coastal berm, beach dune, unconsolidated substrate, and glades marsh.**

2. **Listed species, listed animal and plant species in general, and specifically white-crowned pigeon, Stock Island tree snail, semaphore cactus, and Keys tree cactus.**
3. **Natural resources survey/monitoring resources, specifically listed species or their habitat monitoring, other non-game species or their habitat monitoring, other habitat management effects monitoring, and invasive species survey and monitoring.**
4. **Cultural resources, specifically cultural resource survey, and protection and preservation.**
5. **Restoration, specifically wetland restoration, and upland restoration.**
6. **Non-native, invasive, and problem species, specifically prevention and control of plants, animals, and pests/pathogens.**
7. **Hydro-alteration, specifically roads and culverts.**
8. **Surface water monitoring, specifically quality.**
9. **Resource protection, specifically boundary survey, gates and fencing, signage, and law enforcement presence.**
10. **Adjacent property concerns, land use, specifically encroachment, dumping, and inholdings and additions.**
11. **Public access, specifically boat access.**
12. **Environmental education and outreach, specifically recreational opportunities, and management of visitor impacts.**

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 3.0 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan update should include information on how these items have been addressed:

1. Management Resources, specifically sanitary facilities, and equipment, received below average scores. The review team is asked to evaluate, based on information provided by the managing agency, whether management resources are sufficient.

Managing Agency Response: The FWC takes a low-impact approach to facilities development in order to conserve the greatest amount of wildlife habitat possible and constructs only the infrastructure necessary to effectively provide fish and wildlife-based outdoor recreation opportunities for the public. FWC staff will continue to evaluate the feasibility and appropriateness of sanitary facilities on the FKWEA. Each staff member assigned to the FKWEA has an assigned vehicle to conduct management activities. The FWC will continue to prioritize vehicle repairs and replacements as funding allows.

Land Management Plan Review Details

Items Requiring Improvements 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 3.0 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The next management plan update should address the checklist items identified below:

1. Natural Communities, specifically beach dune, and glades marsh, received below average scores. This is an indication that the management plan does not sufficiently address current or desired condition and/or future management actions to protect or restore.

Managing Agency Response: In 2021, the Florida Natural Areas Inventory remapped the natural and altered communities on the FKWEA. At that time, portions of natural communities were

reclassified to beach dune and glades marsh, and therefore are not discussed in the FKWEA 2016 – 2026 Management Plan. The FWC will include descriptions of all natural communities documented as occurring on the area, including beach dune and glades marsh, in the upcoming update to the FKWEA Management Plan.

2. Listed Species protection and preservation, specifically Stock Island tree snail, and Keys tree cactus, received below average scores. This is an indication that the management plan does not sufficiently address protection and preservation of listed species.

Managing Agency Response: The FWC protects and preserves the imperiled natural communities that serve as habitat for imperiled plant and animal species. To that end, the protection and preservation of tropical hardwood hammocks, the required habitat of the Key tree cactus, is addressed in Section 5.3 of the 2016 – 2026 FKWEA Management Plan. Additionally, imperiled wildlife species are addressed in Section 5.4 of the 2016 – 2026 FKWEA Management Plan and in the FKWEA Wildlife Conservation Prioritization and Recovery Program Species Management Strategy (2016 – 2026 Management Plan, Appendix 13.10). Management and monitoring information will be included for imperiled plants and their associated natural communities in the upcoming FKWEA 10-year Management Plan update. The FWC will continue to protect and preserve imperiled plant and wildlife species found on the FKWEA.

Appendix A. Scoring System Detail

Explanation of Consensus Commendations:

Often, the exceptional condition of some of the property's attributes impress review team members. In those instances, team members are encouraged to offer positive feedback to the managing agency in the form of a commendation. The teams develop commendations generally by standard consensus processes or by majority vote if they cannot obtain a true consensus.

Explanation of Consensus Recommendations:

Subsection 259.036(2), F.S., specifically states that the managing entity shall consider the findings and recommendations of the land management review. We ask team members to provide general recommendations for improving the management or public access and use of the property. The teams discuss these recommendations and develop consensus recommendations as described above. We provide these recommendations to the managing agency to consider when finalizing the required ten-year management plan update. We encourage the manager to respond directly to these recommendations and include their responses in the final report when received in a timely manner.

Explanation of Field Review Checklist and Scores, and Management Plan Review Checklist and Scores:

We provide team members with a checklist to fill out during the evaluation workshop phase of the Land Management Review. The checklist is the uniform tool used to evaluate both the management actions and condition of the managed area, and the sufficiency of the management plan elements. During the evaluation workshop, team members individually provide scores on each issue on the checklist, from their individual perspective. Team members also base their evaluations on information provided by the managing agency staff as well as other team member discussions. Staff averages these scores to evaluate the overall conditions on the ground, and how the management plan addresses the issues. Team members must score each management issue 1 to 5: 1 being the management practices are clearly insufficient, and 5 being that the management practices are excellent. Members may choose to abstain if they have inadequate expertise or information to make a cardinal numeric choice, as indicated by an "X" on the checklist scores, or they may not provide a vote for other unknown reasons, as indicated by a blank. If a majority of members failed to vote on any issue, that issue is determined to be irrelevant to management of that property or it was inadequately reviewed by the team to make an intelligent choice. In either case staff eliminated the issue from the report to the manager.

Average scores are interpreted as follows:

- Scores 4.0 to 5.0 are Excellent
- Scores 3.0 to 3.99 are Above Average
- Scores 2.0 to 2.99 are Below Average
- Scores 1.0 to 1.99 are considered Poor