

Florida Forever
Project Ranking Support Analyses
Documentation

Florida Natural Areas Inventory

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INTRODUCTION

When the Florida Forever program was established in 2000, the Florida Natural Areas Inventory (FNAI) worked with partners and experts to develop the Florida Forever Conservation Needs Assessment (FFCNA), a series of geographic natural resource data layers that corresponded to specific measures outlined in the Florida Forever Act (FNAI 2020). Each FFCNA data layer was designed to address a certain measure of the Act in order to ensure that the intent of the Act was being carried out in the identification and prioritization of natural resources for the Florida Forever program. This approach has the benefits of transparency and clarity of reporting progress in the acquisition of natural resources, but proved to be unsatisfactory for developing Florida Forever project evaluation analyses to support the Acquisition and Restoration Council (ARC) project ranking process. We found that since several measures in the Act involve functionally similar if not redundant resources, several FFCNA data layers should be combined into functional groupings for analysis. These groupings were developed as project ranking Decision Support data layers and are documented in this report (see Fig. 1).

The Decision Support data layers inform two primary evaluations of Florida Forever Projects: **Single Resource Evaluation (SRE)** and the **Florida Forever Tool for Efficient Resource Acquisition and Conservation (F-TRAC)**. Single Resource Evaluations provide decision makers concise scores of acquisition projects based on functional resource groupings, such as Species, Communities, Surface Waters, etc. Projects are scored based on their contribution to that single resource only, without regard to other resource types. F-TRAC provides a single evaluation of projects across multiple resource types and is tied to the actual amount of acreage projected to be acquired by the Florida Forever program. Project scoring based on SRE and F-TRAC is reported in the Florida Forever Project Comparative Analysis table (commonly referred to as the “bubble sheet”).

In addition, the Florida Forever Act Reauthorization in 2008 added several additional criteria that should be factored into project evaluations. As part of our ongoing contract with the Florida Department of Environmental Protection (FDEP) to support Florida Forever, FNAI has begun scoring some of these additional criteria (see Fig. 1, bottom right). Methods for assessing those additional criteria are documented in this report as well.

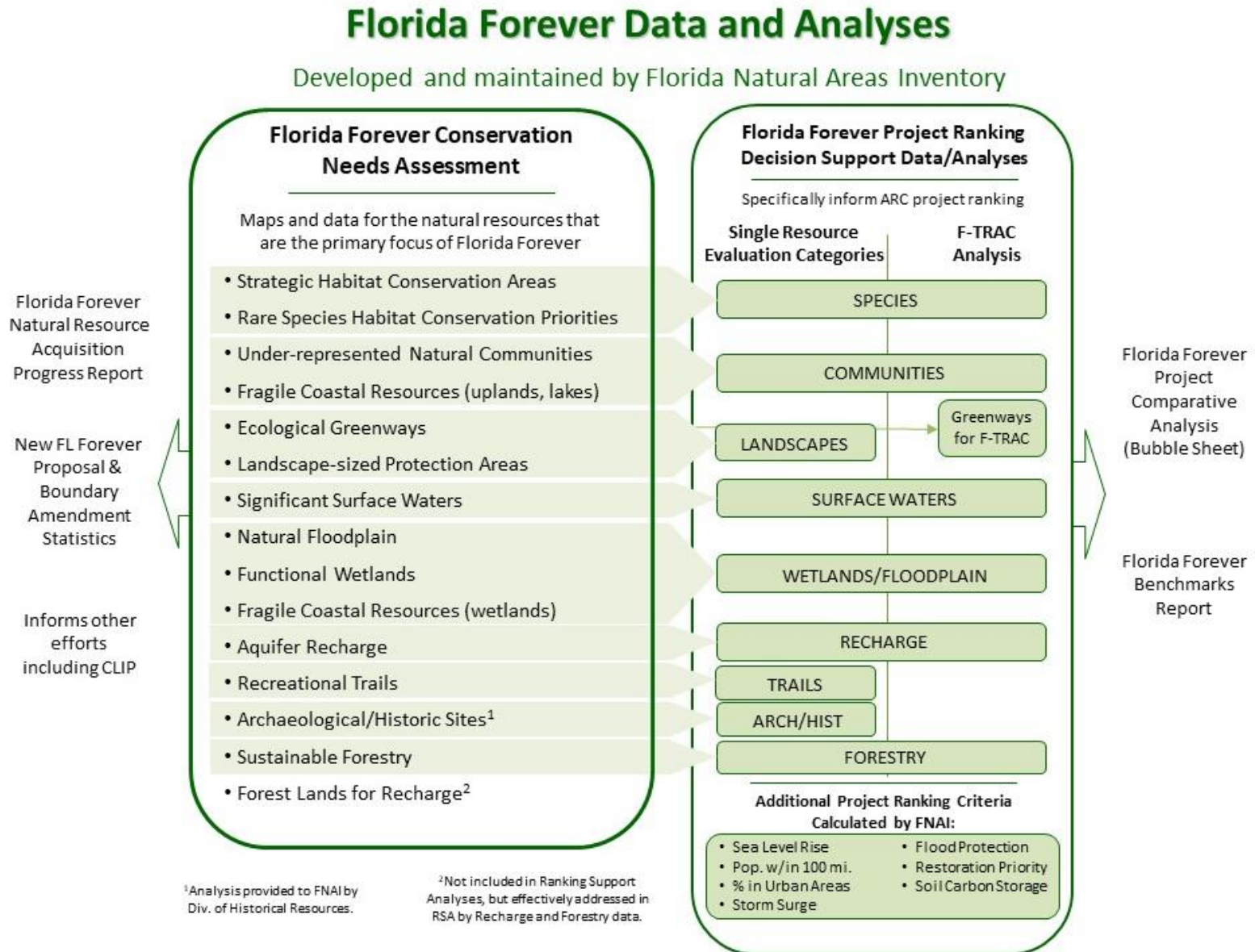


Figure 1. Relationships between Florida Forever data and analyses developed and maintained by Florida Natural Areas Inventory.

SINGLE RESOURCE EVALUATION

Standard Scoring Method

The Single Resource Evaluation (SRE) method evaluates how well a Florida Forever project protects a single resource, such as species or surface waters, relative to other projects on the list. The primary purpose of this analysis is to provide a straightforward method for comparing current and proposed land acquisition projects based on specific resource goals of the Florida Forever program. The results of the SRE appear in summarized form in the Florida Forever Project Comparative Analysis prepared every six months for the FDEP and available on the FNAI website (www.fnai.org).

Most SRE project scores are based on a “weighted score” method. For the weighted score, we calculated acres of each project in the different priority classes of each resource type. These acres were then multiplied by a weight factor corresponding to the priority class. Finally, the weighted acres were summed and the sum was divided by acres of the project to eliminate size bias. This method is illustrated in Table 1. The score represents the average resource value per acre on a project.

Table 1. Example of Weighted Score evaluation method.

		ACRES IN EACH PRIORITY CLASS						WEIGHTED ACRES (acres * weight factor)						SCORE
		HIGH				LOW		10	8	6	4	2		
Project Acres	FF PROJECT	PR 1	PR 2	PR 3	PR 4	PR 5		Acres *10	Acres *8	Acres *6	Acres *4	Acres *2	sum wted acres	sum wted acres/ project acres
1,342	Project A	0	74	0	165	0	→	0	592	0	660	0	1,252	0.93
36,162	Project B	0	0	10,305	200	0	→	0	0	61,830	800	0	62,630	1.73

Alternatives to the weighted score method were used for Landscapes, Trails Network, and Cultural Resources and are described below. Appendix A lists the current project scores and groupings for each resource type. For evaluations based on the weighted score method, the weight factor for each priority class is shown as well as minimum area thresholds where applicable (i.e. to get credit for protecting the resource, the project as a whole (not just remaining acres) must contain a minimum number of acres of that resource). Finally, we describe the criteria used to determine how well the projects meet each resource type (Appendix A).

Resource Category Descriptions

The following resource descriptions rely on knowledge of how some of the original Conservation Needs Assessment data layers were created. Please refer to the Conservation Needs Assessment Technical Report Version 4.5 (FNAI 2020) for complete descriptions of the original data from which the decision support data (described below) are derived.

SPECIES

The current Species model is based on species information contained in the 2009 Strategic Habitat Conservation Areas (SHCA) as modified for the Florida Forever Conservation Needs Assessment (FNAI 2020) and the FNAI Habitat Conservation Priorities (FNAIHAB) Version 4 data layers. The 2009 SHCAs identify areas of habitat that are essential to sustain a minimum viable population for focal species of terrestrial vertebrates that were not adequately protected on existing conservation lands. The SHCAs include habitat data for 62 terrestrial vertebrate species, primarily on private lands, and are prioritized into five priority classes based on rarity (FNAI State and Global ranks). The FNAIHAB layer was designed to identify areas important for species habitat based on both species rarity and species richness. FNAI mapped occurrence-based potential habitat for 281 species of plants, invertebrates, and vertebrates, including aquatic species. Twenty-eight species were included in both the final SHCA and FNAI habitat analyses. In order to minimize redundancy between these two layers we combined the data following a rules-based approach as shown in Table 2. See Appendix B for a map and acreage table for the Species Decision Support data layer.

Table 2. Priority classes for the species ranking support analysis.

Priority	Description
Priority 1	Priority 1 for SHCA or FNAI Habitat Conservation Priorities
Priority 2	Priority 2 for FNAI Habitat Conservation Priorities
Priority 3	Priority 2 for SHCA or Priority 3 for FNAI Habitat Conservation Priorities
Priority 4	Priority 3 for SHCA or Priority 4 for FNAI Habitat Conservation Priorities
Priority 5	Priority 4 for SHCA or Priority 5 for FNAI Habitat Conservation Priorities
Priority 6	Priority 5 for SHCA or Priority 6 for FNAI Habitat Conservation Priorities

NATURAL COMMUNITIES

The natural community Decision Support data layer combines the natural community data from the under-represented ecosystems with fragile coastal resources— fragile coastal uplands and imperiled coastal lakes. (Note that coastal wetlands are included in the Wetlands Decision Support layer). All communities are mutually exclusive, e.g. coastal scrub is included with ‘Scrub’ but excluded from ‘Coastal Uplands’. The global rank (i.e. imperilment status) of each natural community informs the single resource score. See Appendix B for a map and acreage table for the Natural Communities Decision Support layer.

LANDSCAPES

The Landscapes Decision Support data layer includes the Landscape Linkage layer (i.e., Ecological Greenways as revised by Tom Hctor in 2016 for the Critical Lands and Water Identification Project) and a measure prioritizing projects for contribution to Large Landscapes. These datasets formerly were combined to create an overall Landscapes Decision Support layer; now, however, they are retained as separate layers but used in concert to provide a single resource evaluation of projects based on Landscapes.

Landscape Linkage: The Ecological Greenways Network was prioritized into 5 priority classes based on the following criteria:

- 1) Potential importance for maintaining or restoring populations of wide-ranging species (e.g., Florida black bear and Florida panther)
- 2) Importance for maintaining a statewide, connected reserve network from south Florida through the panhandle.
- 3) Other important landscape linkages that provide additional opportunities to maintain statewide connectivity especially in support of higher priority linkages.
- 4) Importance as a riparian corridor to protect water resources, provide functional habitat gradients, and to possibly provide connectivity to areas within other states.

The top priority, Critical Linkages, was selected based on several factors, including how critical an area is to completing a connection in the Network and between existing conservation lands; the threat of land conversion; and the feasibility of acquisition. For a detailed report on critical linkages, please contact Tom Hocht, Geoplan Center, University of Florida.

Large Landscapes: The Florida Forever Act refers specifically to protection of Landscape-Sized Protection Areas, so the FFCNA measures that criterion only. For Single Resource Evaluation, projects are also scored for their contribution more generally toward Large Landscapes, as follows.

Since many Florida Forever projects are divided into multiple non-contiguous areas, particularly when evaluating only remaining (unacquired) project areas as done here, we needed to evaluate contiguous sub-units of projects. We therefore developed Project Evaluation Units (PEUs) as the unit of analysis for this measure (PEUs are also used for the Sea Level Rise and Military Buffers measures). Project Evaluation Units consist of the remaining areas of Florida Forever projects, with FNAI's standard "water out" data layer removed. For each project, non-contiguous areas greater than 400 meters apart are split into separate PEUs for analysis. Note that individual PEUs do not include multiple projects, even if they are contiguous.

PEUs were compared to existing managed areas to determine their contribution to landscape-size protection. For this purpose, managed areas were grouped into Managed Area Complexes (MACs). The FNAI Florida Managed Areas (FLMA) layer was generalized and state trails and open water areas (approximating sovereign submerged) were removed. The layer was processed to group the individual, non-contiguous parts of managed areas that are within 120 meters of each other into MACs. Each contiguous region is a separate Managed Area Complex (unlike PEUs, a MAC can contain multiple different managed areas).

Each PEU was scored based on the largest MAC it was contiguous with. PEUs were scored based on three criteria: Size of MAC (in acres) currently, *without* adjacent PEU acreage; size of PEU; and size of PEU and MAC together (as if PEU were acquired). PEUs were scored in five classes using the rule-matrix shown in Table 3. Column 3 (highlighted) represents a promotion rule that overrides scores in the remaining columns. Note that emphasis was placed on projects that, when added to a MAC currently less than 50,000 acres, would lead to a MAC greater than 50,000 acres. That emphasis corresponds to

the 50,000 acre threshold explicitly noted in the Florida Forever Act and administrative rule for this measure. PEUs added to MACs of 100,000 acres or more receive the lowest emphasis, based on the rationale that such MACs are already functioning as significant large landscapes (e.g., Everglades/Big Cypress, Apalachicola/Tate's Hell) and the PEU addition would not dramatically improve that status.

Table 3. Rule-based matrix used to score Project Evaluation Units for the Large Landscapes measure.

FF Project Sub-Unit Remaining Acres	FF Acres Class	Managed Area Complex Acres (without project)					
		<50,000 and proj. takes it over 50,000	0 (no adjacent MA Complex)	<25,000	25,000 - 49,999	50,000 - 99,999	100,000 plus
50,000 +	6	VH*	VH*	H*	VH*	VH	H
25k - 49,999	5	VH	M	M	H*	VH	M
10k - 24,999	4	VH	ML	M	M	H	M
5,000 - 9,999	3	H	L	ML	M	M	ML
1,000 - 4,999	2	M	L	L	ML	ML	L
<1,000	1	ML	L	L	L	L	L

*these are all by definition the same event as the third column (and should be overridden by the third-column promotion)

Finally, each full project is scored based on the highest-scoring of its individual PEUs. The full project and PEU scoring is in five classes corresponding to the Florida Forever Comparative Analysis table (Very High, High, Medium, Medium-Low, and Low). A map showing existing Managed Areas Complexes (by size) and Florida Forever projects (by score) is included in Appendix B.

For the Landscapes Single Resource Evaluation Category, projects are scored based on their scores for both the Ecological Greenways and Large Landscapes measures described above, as outlined in Appendix A.

SURFACE WATERS

The Surface Waters Decision Support data layer is unchanged from the FFCNA Significant Surface Water data layer, which identifies significant surface waters of the state. These include the following: Outstanding Florida Waters, National Scenic Waters and National Estuaries, shellfish harvesting areas, seagrass beds, springs, water supply and waters important for imperiled fish. The data are prioritized based on proximity to a water body, stream order, downstream length, basin size and other factors. We created 7 prioritized sub-models based on the waters listed above. These sub-models were combined into a single surface water model with 7 priority classes. Detailed methodology for the surface water model may be found in the Conservation Needs Assessment Technical Report Version 4.5 (FNAI 2020). See Appendix B for a map and acreage table for the Surface Water Decision Support layer.

WETLANDS/FLOODPLAIN

The current versions of FFCNA Functional Wetlands and Natural Floodplain data sets feature substantial overlap and are prioritized using the same criteria, so they are combined into a single Decision Support data layer with 6 priority classes. The wetlands data layer is based on wetlands identified in the Cooperative Land Cover v3.3 (FWC 2018). The natural floodplain data layer is based on 100-year

floodplain identified from three primary sources: 1) FEMA Digital Flood Insurance Rate Map database 2001-2017 (DFIRM) for 63 counties; 2) FEMA Digital Q3 Flood Data 1996 for 4 counties; and 3) a surrogate floodplain dataset based on overlap of wetlands and hydric soils for gaps in several counties where FEMA data has floodplain status as ‘undetermined’, or in a selection of polygons in South Florida counties which FEMA data had as ‘outside floodplain’, but the surrounding counties had similar adjacent land cover as floodplain. Open water and developed areas were removed from the final floodplain base map. More details on development of both of these layers are documented in the Florida Forever Conservation Needs Assessment Technical Report (FNAI 2020).

Functional wetlands and natural floodplain were each assigned priorities based on natural quality using a Land Use Intensity index (LUI) method developed by Tom Hctor at the University of Florida and the FNAI Potential Natural Areas (PNA).

The LUI characterizes the intensity of land use across the state on a scale of 1 – 10 with 10 being the least intense (most natural). Intensity is based on a multi-scale neighborhood analysis of five general categories of land use: natural, semi-natural (such as rangelands and pine plantation), improved pasture, agricultural/low-intensity development, and high intensity development. The assumption is that areas dominated by high intensity land uses are more likely to have severe ecological threats and much lower ecological integrity than areas dominated by natural land cover.

The Potential Natural Areas data layer identifies privately owned lands throughout the State of Florida that are not managed or listed for conservation purposes, which may contain good quality natural communities. The PNAs are ranked from P1 to P4 based on size, perceived quality, and type of natural community present. PNAs with these ranks were grouped into “high quality” natural areas. Conservation Lands were included in the P1 – P4 group. PNAs ranked P5 are areas that do not meet the criteria for P1 – P4 but are nonetheless believed to be ecologically viable tracts of land representative of Florida’s natural ecosystems.

Table 4 shows how both the LUI and PNAs were applied to help refine the prioritization of functional wetlands and natural floodplain. In order to minimize redundancy between these two layers, functional wetlands and natural floodplain were combined into a single model for evaluation purposes. See Appendix B for a map and acreage table for the Wetlands/Floodplain Decision Support data layer.

Table 4. Prioritization method for wetlands and floodplain based on Land Use Intensity index and FNAI Potential Natural Areas.

Land Use Intensity Index	PNA 1 - 4	PNA 5	Non-PNA
10 (<i>lowest intensity</i>)	Priority 1	Priority 2	Priority 2
9	Priority 2	Priority 3	Priority 3
8	Priority 3	Priority 3	Priority 4
7	Priority 3	Priority 4	Priority 4
6	Priority 4	Priority 4	Priority 5
5	Priority 4	Priority 5	Priority 6
4	Priority 5	Priority 6	Priority 6
1 - 3	Priority 6	Priority 6	Priority 6

TRAILS NETWORK

The Recreational Trails Decision Support data layer is based on land trail priorities and opportunities identified in the 2018-2022 Florida Greenways and Trails System Plan. These trails are made up of existing, planned and conceptual non-motorized trails that form a connected set of linear recreational opportunities statewide (Florida Department of Environmental Protection 2018).

For Trails Single Resource Evaluation, we met with the staff of DEP/Office of Greenways and Trails to develop a version of land trail priorities and opportunities suitable for project evaluation purposes. We adjusted the 2018 Land Trail Priorities and Opportunities polylines for overlaps and assigned Priority 1 to all trail 'Priorities', and Priority 2 to trail 'Opportunities'. (Note that Paddling Trails are not included at this time). We also buffered trail lines by 0.25 miles to create half mile corridors. Both linear distance and corridor acreage were used to evaluate projects for recreational trails. See Appendix B for a map and mileage table for the Trails Network Decision Support layer.

SUSTAINABLE FORESTRY

The Sustainable Forestry Decision Support data layer is unchanged from the FFCNA Sustainable Forestry data layer and identifies existing pinelands (natural and planted) and former pinelands that are potentially available for forest management. Prioritization is based on 4 criteria set by the Division of Forestry: whether trees are natural or planted, size of tract, distance to market, and hydrology. Large tracts of natural pine on mesic soils (versus very dry or wet) that are within 50 miles of a mill receive the highest score and priority. Former pinelands that currently do not have trees receive the lowest priority. Detailed methodology for the sustainable model may be found in the Conservation Needs Assessment Technical Report Version 4.5 (FNAI 2020). Table 5 describes the justification for each priority class. See Appendix B for a map and acreage table for the Sustainable Forestry Decision Support layer.

Table 5. Descriptions, scores, and acreages for the priority classes of the Forestry Decision Support data layer.

Priority Class	Scores	Description
Priority 1	950-990	Contains at least the top scores for all criteria except Hydrology and at least the middle score for Hydrology.
Priority 2	737-894	Contains at least the middle scores for three of the criteria and top score for Size or Distance to Market
Priority 3	522-693	Contains at least the middle scores for all criteria except Hydrology.
Priority 4	273-495	Contains remainder of pinelands not captured above.

Priority 5	N/A	Potential pinelands
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AQUIFER RECHARGE

The Aquifer Recharge Decision Support data layer is unchanged from the FFCNA Recharge data layer. The aquifer recharge base model was developed by Advanced Geospatial, Inc. (AGI) and further prioritized by FNAI in consult with AGI and Florida Geological Survey. The priority classes are based on the following data inputs: soil hydraulic conductivity, proximity to karst features, depth to water and overburden, and overlap with Springs Protection Areas, buffers to swallets, and buffers to public water supply wells (Table 6). Detailed methodology for the aquifer recharge model may be found in the Conservation Needs Assessment Technical Report Version 4.5 (FNAI 2020). See Appendix B for a map and acreage table for the Aquifer Recharge Decision Support layer.

Table 6. Priority classes and acreages for aquifer recharge decision support data layer.

Priority	Description
Priority 1	Very High Priority designation based on aquifer recharge potential & vulnerability
Priority 2	High Priority designation based on aquifer recharge potential & vulnerability
Priority 3	Medium-High Priority designation based on aquifer recharge potential & vulnerability
Priority 4	Medium Priority designation based on aquifer recharge potential & vulnerability
Priority 5	Medium-Low Priority designation based on aquifer recharge potential & vulnerability
Priority 6	Low Priority designation based on aquifer recharge potential & vulnerability

CULTURAL RESOURCES

Method: The Florida Department of State/Division of Historical Resources provides an evaluation of projects based on cultural resources.

SRE Group Assignment Criteria:

Very High	Project could be considered a stand-alone Florida Forever Project based solely on its archaeological or historic value.
High	Project exceeds satisfying objective for archaeological or historic resources.
Medium	Project will likely satisfy objective for archaeological or historic resources.
Medium-Low	Project most likely will not satisfy objective for archaeological or historic resources.
Low to None	Project does not satisfy objective for archaeological or historic resources.

F-TRAC

F-TRAC is based on a computer modeling approach to conservation reserve design known as Iterative Site Selection (ISS). The primary purpose for developing F-TRAC was to provide a concise analysis to evaluate current and potential land acquisition projects across multiple natural resource types for the Florida Forever program. The model approach could be useful for other conservation planning efforts, but the results described here were developed specifically for the needs of Florida Forever, and are not likely to apply to other programs without substantial modifications.

F-TRAC considers seven types of natural resource categories—species, communities, landscape connectivity, surface waters, wetlands, sustainable forestry, and aquifer recharge—and identifies a portfolio of sites that efficiently protects those resources. Efficiency is the key to the model; it approaches an optimal solution of the greatest resource protection in a given amount of land. Our analysis resulted in two scenarios: the 2020 Statewide Scenario, which identifies a portfolio of sites throughout the state; and the 2020 on Projects Scenario, which identifies a portfolio of sites only within existing and proposed Florida Forever Projects. Both Scenarios approximate the amount of land likely to be acquired through the twenty-year duration of the Florida Forever program. The F-TRAC modeling process and scenarios are discussed in more detail in Appendix C.

Like Single Resource Evaluation, the F-TRAC analysis is derived from the Florida Forever Conservation Needs Assessment data layers, but some layers have been modified specifically for use in F-TRAC (Fig. 1). These modifications are summarized below.

Species for F-TRAC

For the F-TRAC analysis only, the Florida Forever Expert Advisory Group was concerned that F-TRAC targets and weights do not apply equally to all species in the Species RSA, i.e. land acquisition targets for wide-ranging species could be less than for other species. The group recommended separating each priority class into wide-ranging species and all other species for the purpose of treating these differently in the F-TRAC analysis. We consulted with species experts to determine which species of those that were included in the FNAIHAB or SHCAs best fit the definition of wide-ranging. The following ten species were considered wide-ranging for the F-TRAC analysis: Eastern indigo snake, Florida panther, Florida black bear, crested caracara, woodstork, sandhill crane, swallow-tailed kite, short-tailed hawk, burrowing owl, Cooper's hawk. For details on species acreages, targets and weights for F-TRAC please see Appendix C.

Natural Communities for F-TRAC

For the F-TRAC analysis each natural community type was prioritized based on landscape quality using a Land Use Intensity index (LUI; developed by Tom Hoctor at the University of Florida) and the FNAI Potential Natural Areas (PNA) data layer. (For a description of LUI and PNA see the Wetlands Decision Support data layer description elsewhere in this document). The exceptions to this were the two G1 communities, Upland Glade and Pine Rockland: Only 40 acres of Upland Glade have been identified in

the state and all of these are considered Very High priority; remaining Pine Rockland is also very limited, and we assigned any patch ¼ acre or greater Very High priority and patches less than ¼ acre High priority. The prioritization criteria for all other communities varied depending on whether the natural community tends primarily to exist in small or large patches. Small patch communities are Coastal Uplands, Scrub, Seepage Slope, Rockland Hammock, Coastal Lakes and Sandhill Upland Lakes. Large patch communities are Dry Prairie, Sandhill, Upland Pine, Pine Flatwoods, and Upland Hardwood Forest. Priority values of Very High, High and Moderate were assigned to areas based on the LUI (Table 7). Higher LUI values correspond to more natural land uses. Some medium and low priorities were then increased if the area overlapped with high quality FNAI Potential Natural Areas (PNA 1-4; Table 7).

Table 7. Prioritization criteria for under-represented natural communities

Land Use Intensity Index Value (LUI)	Small Patch Communities		Large Extent Communities	
	Priority based on LUI	Priority based on PNA 1-4 Bonus	Priority based on LUI	Priority based on PNA 1-4 Bonus
8 - 10	Very High	Very High	Very High	Very High
7	Very High	Very High	High	Very High
6	High	Very High	High	Very High
5	High	Very High	Moderate	High
4	Moderate	High	Moderate	High
1 - 3	Moderate	Moderate	Moderate	Moderate

Greenways for F-TRAC

Prior to Fall 2011, Landscapes had not been included in the F-TRAC analysis, primarily because a major emphasis of Landscapes is to achieve connectivity through important landscape corridors across the state. F-TRAC, based on the MARXAN simulation tool, is unable to explicitly assess spatial connectivity. The current analysis focuses on a subset of the Ecological Greenways network known as Critical Linkages, and assigns conservation priorities within those linkages in a manner that approaches the goal of achieving connectivity.

Greenways Critical Linkages (Priority 1 of Ecological Greenways) were prioritized by four inputs: cost distance from managed area "hubs"; interior distance from corridor edge; elevation above sea level; and land cover suitability. Managed area "hubs" are defined as contiguous managed area regions 10,000 acres and larger.

Cost Distance from managed area hubs is similar to a buffer of the hubs, but traces distance only through critical linkages. The highest values are areas within critical linkages that are closest to MA hubs. Areas within critical linkages that are farthest from hubs (by tracing a path through the critical linkage corridor, not straight line distance) get the lowest score.

Interior buffer is a simple Euclidian buffer within the critical linkage corridors from the outside of the corridor in to the middle. The furthest distance from corridor edge receives the highest score (center of corridor), while the edges receive the lowest score.

Elevation above Sea Level focuses on low-elevation areas that are threatened by sea level rise. The source data for this input is a DEM mosaic compiled by the University of Florida GeoPlan Center, based primarily on LiDAR elevation in coastal counties and an FWC DEM in inland counties. Areas below 0.5 meters elevation receive the lowest score, while areas above 5 meters receive the highest score, with an inflection point around 1 meter (as the typical projection of sea level rise around 2100).

Land cover is classified within the critical linkages using a 5-class system: natural, plantation & unimproved pasture, improved pasture & field crops, intensive agriculture, and developed. Natural receives the highest score while developed receives the lowest.

All four inputs were classed to a common scale and overlaid with the following weights: cost distance X 3, interior buffer X 2, elevation above sea level X 1, land cover X 1. The resulting value surface was classed into six priorities with acreages roughly corresponding to the magnitude of area in other F-TRAC input classes. For more information about how this model was used in F-TRAC, please see Appendix C.

ADDITIONAL PROJECT EVALUATION CRITERIA

When the Florida Forever Act was re-authorized in 2008, several additional criteria were added that are intended to be taken into consideration in prioritizing acquisitions (along with the core natural resource values already addressed in the FFCNA). Where feasible FNAI has assisted with compiling data and scoring projects for some of these additional criteria, as outlined below.

CLIMATE CHANGE

Priority List Consideration D5 (18-24.006, F.A.C): Lands that help to address the challenges of global climate change by providing opportunities to sequester carbon, provide habitat, protect coastal lands or barrier islands, and otherwise mitigate and help adapt to the effects of sea level rise, shall be given greater consideration than those that do not.

Source: Florida Natural Areas Inventory

Measure Definition

This measure deals with two primary aspects of climate change: carbon sequestration and sea level rise mitigation (through protection of habitat, coastal lands, barrier islands and other adaptation strategies).

Sea Level Rise

Projects are evaluated on their ability to accomplish either of two goals related to Sea Level Rise (SLR):

- *Managed Area Refuge*: the project is adjacent to an existing managed area that is vulnerable to SLR, and extends the managed area further inland to facilitate potential shifts of natural resources to higher elevations.
- *Escape Route*: the project itself extends from a coastal elevation vulnerable to SLR inland to higher elevations, facilitating potential shifts of resources away from SLR.

Input Data

- [Project Evaluation Units](#) (PEUs) – Remaining portions of Florida Forever project boundaries, broken into spatially contiguous units within each project, as described in Large Landscapes measure above.
- Managed Area Complexes (MACs) – Existing conservation lands grouped into spatially contiguous units, as described in Large Landscapes Measure above.

PEU Scoring

Part I. Managed Area Refuge					
Applies only if Managed Area Complex meets criteria for "Vulnerable":					
		- At least 25% of MAC area is below 1 meter			
		- Less than 5% of MAC area is above 2 meters			
PEU must be within 10m of a Vulnerable MAC, and:					
		- At least 5% of PEU area is above 2 meters			
		- Less than 25% of PEU area is below 1 meter			
MAC Size:	PEU Size				
	10,000+	1k-10k	100-1k	<100	
10,000+	VH	H	M	ML	
1,000-9,999	VH	H	M	ML	
100-999	H	H	H	M*	
<100	M	M	M	ML	
*PEU must be at least 25acres for M, otherwise ML					
PEU that does not meet MAR criteria = Low					

Part II. Escape Route				
Applies only if PEU meets criteria:				
	- At least 5% of PEU area is below 1 meter			
	- At least 5% of PEU area is above 2 meters			
	Percent of PEU above 2 meters			
PEU Size:	>75%	50-75%	25-50%	5-25%
10,000+	VH	VH	VH	H
1,000-9,999	H	H	H	M
100-999	M	M	ML	ML
<100	ML	ML	ML	ML

Translating PEU Scores to Project Scores

Unlike the Large Landscapes method, Projects are scored using a modified area-weighted average of PEUs. After each PEU is assigned a score of Very High (5), High (4), Medium (3), Medium-Low (2), or Low (1), the acreage of each PEU is multiplied by its score value. Those weighted acres are summed and divided by the total acres of all PEUs in the project. Each project receives a separate Area-Weighted score for Managed Area Refuge and Escape Route.

EXAMPLE:

PEU	Acres	Score	Weighted Acres
Lower_Suwannee_River_and_Gulf_Watershed-1	19,203	1	19,202.5
Lower_Suwannee_River_and_Gulf_Watershed-2	21,413	5	107,067.0
Lower_Suwannee_River_and_Gulf_Watershed-3	5,821	4	23,283.6
Project Area-Weighted Average Score			3.22

To account for the diluting effect of averaging, the Project's Area-Weighted Score is **modified** if individual PEU scores higher:

- If any PEU scores Very High, the Project scores at least High (4.0)
- If any PEU scores High, the Project scores at least Medium (3.0)
- If any PEU scores above Low, the Project scores at least Medium-Low (2.0)

For each criterion (Managed Area Refuge and Escape Route), the modified weighted average is broken into the final five classes as follows:

4.50 – 5.00	Very High
3.50 – 4.49	High
2.50 – 3.49	Medium
1.01 – 2.49	Medium-Low
0.00 – 1.00	Low

Finally, each project receives the higher class of the two criteria.

Soil Carbon Storage

Xiong et al. (2014) at the University of Florida have modeled soil carbon stocks for the state of Florida. The research team provided soil total carbon data that was used to calculate an Average Soil Total Carbon statistic for each Florida Forever project (remaining acres). In 2020, this value ranged from 1.36 to 10.29 across projects. We divided the range into five “bubble sheet” classes using standard deviations:

Priority Class	Std Dev	Avg Soil Total Carbon	Acreage Threshold
Very High	Mean +2 SD	7.800 – 10.29	1,000 acres
High	Mean +1 SD	6.364 – 7.800	500 acres
Medium	Mean +1 SD	3.496 – 6.364	
Medium-Low	Mean -1 SD	2.062 – 3.496	
Low	Mean -2 SD	<2.062	

Resulting project scores are included in Appendix D.

POPULATION WITHIN 100 MILES

For this analysis, remaining acres of Florida Forever projects were buffered by 100 miles. The portions of 2010 Census Tracts intersecting each project’s 100 mile buffer were selected, and the population density of each tract was multiplied by the area of that tract within the project buffer. These calculations were summed across all tracts within the buffer for the total project population figure. Resulting project scores and class breaks are listed in Appendix D.

PROXIMITY TO URBAN AREAS

For this analysis, Urban Areas were defined by an FGDL data set known as “urban areas and urban clusters”, based on 2010 census data. Remaining acres of Florida Forever projects were overlaid on this data layer and the percent of each project within the urban area was calculated. This statistic has not been included on the “bubble sheet” but calculated for a larger project scoring spreadsheet compiled by DEP staff. Project percentages are listed in Appendix D.

FLOOD PROTECTION

This measure is calculated as the percent of remaining project area that overlaps with FEMA floodplain. This analysis uses the same FEMA floodplain compilation layer developed for the FFCNA Natural Floodplain data layer (FNAI 2020). Unlike the Natural Floodplain analysis, Flood Protection includes the entire FEMA zone—we do not remove developed land uses from the zone in this case. Final project scores are listed in Appendix D.

RESTORATION PRIORITY

This measure is intended to assess the degree to which a Florida Forever project’s management focus includes restoration efforts. It is comprised of two separate measures. First, FNAI staff reviewed management prospectuses or project summaries for each project, and graded them as to restoration focus. Only projects with a “strong” focus on restoration were considered for the final score. Other projects were scored based on areas designated in DEP Basin Management Action Plans (BMAP) for water restoration. Percent of project within BMAP areas was calculated. Finally, projects were given a score of High (“strong” restoration focus in FNAI analysis, or >50% of project in BMAP), Medium (10-50% of project in BMAP), or Low (<10% of project in BMAP). Final project scores are listed in Appendix D.

STORM SURGE

Storm Surge modeling was obtained from the Florida Division of Emergency Management, Florida Statewide Regional Evacuation Study Update, based on 2010 National Hurricane Center SLOSH models. The SLOSH models are classed into 5 classes corresponding to Category 1-5 storm surge zones. These classes were used in a standard weighted acres calculation as described above, using the following acreage multipliers:

Category 1 surge zone * 10

Category 2 surge zone * 8

Category 3 surge zone * 6

Category 4 surge zone * 4

Category 5 surge zone * 2

Final storm surge project scores are listed in Appendix D.

MILITARY BUFFERS

Ideally, assessing projects for buffers to military bases would include various flight, noise, risk, and testing zones or corridors identified beyond base boundaries by the Department of Defense as having relevance to their military missions. However, these zones are generally considered confidential and not readily shared for public purposes. Therefore, we scored projects using simple buffers of military bases. Scores were first established for [Project Evaluation Units](#) (PEUs) as follows:

Distance from Military Base	PEU Size		
	1,000+ ac	100+ ac	<100 ac
Adjacent	VH	H	M
<1,000m	H	M	ML
<5,000m	M	ML	L
5,000+ m	L	L	L

Each project was then assigned the score of its highest scoring PEU.

REFERENCES

- Church, J.A., N.J. White, T. Aarup, W.S. Wilson, P.L. Woodworth, C.M. Domingues, J.R. Hunter, and K. Lambeck. 2008. Understanding global sea levels: past, present and future. *Sustainability Science* 3: 9-22.
- Florida Department of Environmental Protection. 2018. Florida Greenways & Trails System 2018-2022 Plan and Maps Update. Florida Department of Environmental Protection. Tallahassee, Florida. Online: <https://floridadep.gov/parks/ogt/content/florida-greenways-and-trails-system-plan-and-maps>. Last accessed 11/29/18.
- Florida Fish and Wildlife Conservation Commission. 2018. Florida Cooperative Land Cover Map 3.3. Interim update of GIS dataset, provided by FWC in July 2018.
- Florida Natural Areas Inventory. 2020. Florida Forever Conservation Needs Assessment Technical Report, Version 4.5. Florida Natural Areas Inventory. Tallahassee, Florida.
- Vermeer, M. and S. Rahmstorf. 2009. Global sea level linked to global temperature. *Proceedings of the National Academy of Sciences* 106(51): 21527-21532.
- Xiong, X., S. Grunwald, D. Brenton Myers, J. Kim, W. G. Harris, N. B. Comerford. 2014. Holistic environmental soil-landscape modeling of soil organic carbon. *Environmental Modelling & Software* 57:202-215.

Appendix A:
Resource Evaluation Scoring Worksheets
for the Florida Forever Comparative Analysis

November 2020

The Resource Scoring Worksheets are intended for use with the Comparative Analysis table. Each tab in this workbook contains the underlying data and methods used to score and group projects for each resource type shown on the Comparative Analysis. Each table is sorted by how well projects meet a resource goal. The sort order is intended to help the user understand how projects were assigned a value on the Comparative Analysis. Users may sort the tables in other ways (alphabetical by project name, within categories, etc) using MS Excel. For more information please contact Florida Natural Areas Inventory (aknight@fnai.fsu.edu or joetting@fnai.fsu.edu; 850-224-8207).

SPECIES Single Resource Project Scores

			Resource Acres						Preliminary Score	Final Evaluation		
Category	Project Acres Remaining	Project	Species Priority 1	Species Priority 2	Species Priority 3	Species Priority 4	Species Priority 5	Species Priority 6		Group	Group Code*	Sort
PRI	2,348	Crayfish Habitat Restoration	2,154	119	2	15	23	15	9.63	VH	5	1
CNL	48,846	Apalachicola River	38,751	653	6,549	1,123	842	241	8.69	VH	5	2
CCL	1,157	Coupon Bight/Key Deer	789	100	27	102	0	1	7.86	VH	5	3
PRI	34,048	Corkscrew Regional Ecosystem Watershed	22,104	3,448	1,691	203	82	2,253	7.59	VH	5	4
PRI	7,503	Hall Ranch	4,260	145	1,768	1,162	130	16	7.28	VH	5	5
PRI	12,304	Middle Chipola River	7,773	122	528	1,907	594	357	7.16	VH	5	6
SC	24	Save Our Everglades	13	2	6	0	0	1	6.96	VH	5	7
LTF	6,923	Hosford Chapman's Rhododendron Protection Zone	3,413	235	2,125	494	588	25	6.82	VH	5	8
CNL	6,211	Corrigan Ranch	2,130	1,134	2,769	39	37	0	6.70	VH	5	9
CNL	6,300	Belle Meade	3,805	249	316	18	10	112	6.59	VH	5	10
CNL	39,382	Panther Glades	17,408	3,260	12,241	2,080	59	511	6.50	VH	5	11
LTF	3,881	Ochlockonee River Conservation Area	1,831	7	9	1,638	23	79	6.04	VH	5	12
CCL	1,142	Tiger Island/Little Tiger Island	0	890	194	42	2	4	7.03	H	4	13
CCL	5,849	Florida Keys Ecosystem	2,047	841	1,046	953	49	4	5.87	H	4	14
CNL	598	Southeastern Bat Maternity Caves	274	13	0	110	138	34	5.84	H	4	15
CNL	11,182	Half Circle L Ranch	3,227	1,595	4,375	185	0	393	5.68	H	4	16
CNL	29,567	Lake Wales Ridge Ecosystem	7,477	5,019	7,845	3,761	2,059	1,737	5.53	H	4	17
CNL	5,336	Triple Diamond	1,441	0	3,521	9	125	0	5.39	H	4	18
CHR	562	Pierce Mound Complex	7	229	189	94	15	5	5.28	H	4	19
CNL	8,128	Twelvemile Slough	1,583	1,683	3,046	423	0	1	5.26	H	4	20
CNL	2,188	Shoal River Buffer	0	646	1,508	19	4	4	5.15	H	4	21
CNL	29,263	Bombing Range Ridge	3,644	4,122	13,158	6,953	445	562	4.93	H	4	22
LTF	122,213	Fisheating Creek Ecosystem	9,521	18,110	70,028	23,594	674	255	4.85	H	4	23
CCL	179	Archie Carr Sea Turtle Refuge	40	37	32	2	9	4	4.74	H	4	24
CCL	76,550	St. Joe Timberland	8,230	2,914	57,597	3,601	3,164	73	4.61	H	4	25
PRI	8,321	Welannee Watershed Forest	2,967	664	87	117	953	306	4.55	H	4	26
CNL	12,856	Caloosahatchee Ecoscape	2,719	587	2,839	4,359	338	1,159	4.52	H	4	27
SC	3,077	Dickerson Bay/Bald Point	2	1,004	538	985	322	49	4.50	H	4	28
CNL	43,051	Blue Head Ranch	5,511	0	30,627	3,651	204	1,530	4.43	M	3	29
CNL	55,694	Devil's Garden	10,238	2,104	8,323	23,182	8,025	458	4.28	M	3	30
PRI	304	Dade County Archipelago	63	50	25	51	2	6	4.25	M	3	31
LTF	1,676	Hardee Flatwoods	274	0	775	101	383	29	4.14	M	3	32
LTF	5,598	Adams Ranch	414	0	3,923	931	102	192	4.11	M	3	33
CNL	54,367	Etoniah/Cross Florida Greenway	228	4,226	37,191	10,805	846	750	4.04	M	3	34
LTF	2,214	Eastern Scarp Ranchlands	14	57	2,019	35	84	0	4.04	M	3	35
LTF	4,172	Arbuckle Creek Watershed	0	88	3,737	306	18	24	3.99	M	3	36
CNL	14,908	Wacissa/Aucilla River Sinks	0	345	13,313	854	89	10	3.94	M	3	37
CNL	12,428	Telogia Creek	0	0	11,719	590	106	8	3.93	M	3	38
PRI	9,619	Lake Santa Fe	524	809	2,599	4,430	752	197	3.86	M	3	39
LTF	25,611	Gulf Hammock	0	279	21,745	1,654	1,750	15	3.81	M	3	40
LTF	5,021	Maytown Flatwoods	0	0	4,360	508	41	5	3.79	M	3	41
PRI	12,440	Crossbar/AI Bar Ranch	0	0	11,115	298	683	254	3.78	M	3	42
CNL	53,601	Pinhook Swamp	0	12	44,107	5,325	4,133	173	3.75	M	3	43
PRI	4,693	Lochloosa Forest	0	7	3,428	1,167	14	72	3.70	M	3	44
LTF	1,264	Old Town Creek Watershed	115	0	679	55	272	89	3.69	M	3	45
PRI	3,970	Wakulla Springs Protection Zone	94	79	2,766	454	210	218	3.69	M	3	46
LTF	41,892	Big Bend Swamp/Holopaw Ranch	1,199	7	29,060	5,919	3,566	940	3.68	M	3	47
CNL	22,268	Wekiva-Ocala Greenway	85	1,945	13,357	2,642	548	2,775	3.67	M	3	48
CCL	3,393	Garcon Ecosystem	402	333	810	249	522	693	3.65	M	3	49
CNL	48,973	Pine Island Slough Ecosystem	1,198	165	38,038	1,395	3,019	2,970	3.65	M	3	50
LTF	37,930	Kissimmee-St. Johns River Connector	688	0	28,638	2,099	4,895	318	3.63	M	3	51
CNL	97,434	Bear Creek Forest	221	6,551	42,566	31,020	16,961	82	3.61	M	3	52
CHR	853	Battle of Wahoo Swamp	128	0	0	405	272	5	3.57	M	3	53
PRI	13,663	Heather Island/Ocklawaha River	0	5	9,391	2,504	1,721	18	3.55	M	3	54
LTF	6,018	Ayavalla Plantation	769	274	230	3,355	195	91	3.55	M	3	55
LTF	99,032	Matanzas to Ocala Conservation Corridor	1,128	1,526	54,620	25,966	14,942	446	3.54	M	3	56
CNL	3,592	Lake Hatchineha Watershed	78	16	1,896	1,268	128	10	3.50	M	3	57
PRI	6,040	Florida's First Magnitude Springs	423	1,092	890	701	1,056	275	3.48	M	3	58
CNL	44,999	San Pedro Bay	0	18	34,902	2,360	2,937	124	3.40	M	3	59
CNL	11,572	Strategic Managed Area Lands List	1,096	825	4,014	1,041	864	491	3.37	M	3	60
CNL	54,862	Forest and Lakes Ecosystem	1,858	626	26,876	10	23,073	121	3.23	M	3	61
LTF	2,085	Little River Conservation Area	413	2	509	6	29	386	3.18	M	3	62

SPECIES SCORING METHOD

Minimum Area Threshold

None

Multiplier Applied to Acres in Preliminary Score Calculation

SPECIES	Multiplier
Priority 1	10
Priority 2	8
Priority 3	4
Priority 4	3
Priority 5	2
Priority 6	1

Note that multipliers are determined by underlying resource data and will be different for different resource types.

Preliminary Score Calculation

((Priority 1 Acres * 10) + (Priority 2 Acres * 8) + (Priority 3 Acres * 4) + (Priority 4 Acres * 3) + (Priority 5 Acres * 2) + (Priority 6 Acres * 1)) / Remaining Acres in Project

SPECIES GROUP ASSIGNMENT CRITERIA

If score is:

Very High: 6.00 - 10 and >0 acres in Priority 1

High: 5.00 - 5.99

Medium: 3.00 - 4.99

Medium-Low: 1.00 - 2.99, OR <1.0 and >0 acres in Priorities 1 or 2

Low: <1.00 and 0 acres in Priorities 1 or 2

** Group Code corresponds to value on Comparative Analysis table*

Sort Criteria

By Group then by Preliminary Score

For a more complete description of methods see Single Resource Evaluation Documentation at <http://www.fnai.org/FIForever.cfm>

			Resource Acres						Preliminary Score	Final Evaluation		
Category	Project Acres Remaining	Project	Species Priority 1	Species Priority 2	Species Priority 3	Species Priority 4	Species Priority 5	Species Priority 6		Group	Group Code*	Sort
SC	8,855	Florida Springs Coastal Greenway	91	1,177	2,476	2,168	241	553	3.14	M	3	63
CNL	4,689	Bear Hammock	0	0	927	3,482	139	31	3.08	M	3	64
SC	367	Spruce Creek	13	0	108	170	17	25	3.08	M	3	65
LTF	3,522	Conlin Lake X	0	0	1,734	814	681	17	3.05	M	3	66
PRI	10,253	Lafayette Forest	76	5	3,646	3,351	2,753	353	3.05	M	3	67
PRI	17,832	Volusia Conservation Corridor	330	1	5,548	6,848	2,605	1,679	2.97	ML	2	68
CNL	8,687	Wolfe Creek Forest	0	213	20	7,205	1,124	103	2.96	ML	2	69
CNL	9,687	Longleaf Pine Ecosystem	115	0	3,778	1,914	3,036	607	2.96	ML	2	70
CNL	11,706	South Goethe	273	0	2,719	5,982	956	239	2.88	ML	2	71
LTF	30,705	Lower Suwannee River and Gulf Watershed	0	0	7,865	14,141	6,211	638	2.83	ML	2	72
LTF	14,153	North Waccasassa Flats	0	0	227	11,423	2,311	53	2.82	ML	2	73
CCL	2,292	Terra Ceia	0	1	1,051	513	335	13	2.81	ML	2	74
PRI	305	Carr Farm/Price's Scrub	0	0	0	245	59	1	2.80	ML	2	75
PRI	8,446	Pringle Creek Forest	0	0	15	5,891	2,519	10	2.70	ML	2	76
LTF	67,702	Raiford to Osceola Greenway	0	3	21,405	20,299	8,934	16,929	2.68	ML	2	77
CNL	32,283	Camp Blanding to Raiford Greenway	0	0	17,414	11	2,383	10,447	2.63	ML	2	78
LTF	3,286	Withlacoochee River Corridor	221	0	6	1,193	1,242	273	2.61	ML	2	79
PRI	6,990	Charlotte Harbor Flatwoods	804	109	91	1,957	1,331	425	2.61	ML	2	80
CCL	17,070	St. Johns River Blueway	384	803	2,990	6,173	803	2,127	2.61	ML	2	81
PRI	12,344	Pumpkin Hill Creek	0	1,387	4,500	359	294	1,309	2.60	ML	2	82
LTF	376	San Felasco Conservation Corridor	0	0	0	239	128	1	2.59	ML	2	83
PRI	2,867	Clear Creek/Whiting Field	0	0	8	2,299	200	83	2.59	ML	2	84
CNL	1,665	Econfina Timberlands	0	0	1	1,361	31	129	2.57	ML	2	85
CNL	27,503	Osceola Pine Savannas	482	6	2,102	14,431	5,245	3,036	2.55	ML	2	86
PRI	5,862	Watermelon Pond	0	0	1,308	2,009	1,681	215	2.53	ML	2	87
PRI	8,741	Annutteliga Hammock	0	36	1,832	3,413	1,387	1,140	2.49	ML	2	88
LTF	12,293	Mill Creek	0	0	2,064	6,440	1,165	670	2.49	ML	2	89
LTF	12,515	Ranch Reserve	512	0	10	7,072	836	2,970	2.48	ML	2	90
SC	4,446	Lochloosa Wildlife	37	0	20	2,560	986	541	2.39	ML	2	91
LTF	3,804	Peace River Refuge	0	1	207	2,368	117	691	2.33	ML	2	92
PRI	9,564	Pal-Mar	0	0	2,531	3,122	450	1,677	2.31	ML	2	93
SC	5,902	Charlotte Harbor Estuary	156	73	1,073	929	2,021	247	2.29	ML	2	94
CCL	3,742	Taylor Sweetwater Creek	0	0	740	8	2,567	406	2.28	ML	2	95
LTF	99,544	Coastal Headwaters Longleaf Forest	1,464	758	50	65,273	581	7,585	2.27	ML	2	96
PRI	3,231	Catfish Creek	102	15	935	152	815	77	2.18	ML	2	97
LTF	2,826	Seven Runs Creek Final Phase	287	13	607	10	286	23	2.13	ML	2	98
PRI	21,104	Brevard Coastal Scrub Ecosystem	219	530	3,882	4,182	3,739	2,269	2.10	ML	2	99
CCL	4,511	West Bay Preservation Area	0	0	691	1,544	908	234	2.09	ML	2	100
LTF	16,951	Red Hills Conservation	60	10	14	9,798	566	2,994	2.02	ML	2	101
PRI	1,129	Rainbow River Corridor	0	0	189	290	117	403	2.00	ML	2	102
PRI	8,394	Baldwin Bay/St. Marys River	233	2	0	0	7,088	185	1.99	ML	2	103
CNL	22,399	Hixtown Swamp	0	0	10	8,137	8,770	2,422	1.98	ML	2	104
CNL	12,035	Upper Shoal River	0	0	0	7,259	933	201	1.98	ML	2	105
PRI	76,427	Northeast Florida Timberlands and Watershed Reserve	345	1,792	7,683	9,357	28,690	16,222	1.97	ML	2	106
CNL	1,717	Ichetucknee Trace	0	0	5	533	742	177	1.91	ML	2	107
LTF	1,254	Suwannee County Preservation	68	0	1	502	34	64	1.85	ML	2	108
PRI	160,797	Green Swamp	0	87	43,997	25,455	14,392	10,730	1.82	ML	2	109
PRI	18,257	Indian River Lagoon Blueway	362	121	1,377	4,657	794	7,100	1.79	ML	2	110
PRI	3,912	Flagler County Blueway	391	0	277	332	0	976	1.79	ML	2	111
LTF	710	West Aucilla River Buffer	0	0	0	404	0	32	1.75	ML	2	112
LTF	6,382	Limestone Ranch	143	0	610	299	2,595	967	1.71	ML	2	113
LTF	30,573	Myakka Ranchlands	64	182	660	6,293	13,101	2,450	1.71	ML	2	114
LTF	10,996	Bluefield to Cow Creek	0	0	19	3,254	1,499	5,649	1.68	ML	2	115
CCL	11,920	Northeast Florida Blueway	0	0	882	1,496	3,884	3,608	1.63	ML	2	116
LTF	16,316	Horse Creek Ranch	7	0	86	0	7,522	1,835	1.06	ML	2	117
PRI	8,193	Atlantic Ridge Ecosystem	0	16	13	1,059	2,084	162	0.94	ML	2	118
SC	2,657	South Walton County Ecosystem	15	1	90	128	352	0	0.60	ML	2	119
PRI	14,534	Sand Mountain	40	251	105	1,639	0	1,003	0.60	ML	2	120
CHR	148	Pineland Site Complex	0	0	8	3	0	93	0.91	L	1	121
LTF	83	Millstone Plantation	0	0	3	16	0	1	0.75	L	1	122
CNL	2,389	Perdido Pitcher Plant Prairie	0	0	22	1	0	1,204	0.54	L	1	123
LTF	2,338	Lower Perdido River Buffer	0	0	3	0	0	828	0.36	L	1	124
CNL	1,967	Natural Bridge Creek	0	0	0	0	0	335	0.17	L	1	125

Species, continued

NATURAL COMMUNITIES Single Resource Score Worksheet

			Resource Acres						Final Evaluation		
Category	Project Acres Remaining	Project	Nat Com G- Rank 1	Nat Com G- Rank 2	Nat Com G- Rank 3	Nat Com G- Rank 4	Nat Com G- Rank 5	Preliminary Score	Group	Group Code*	Sort
LTF	16,951	Red Hills Conservation	0	0	10,889	257	164	3.91	VH	5	1
CNL	9,687	Longleaf Pine Ecosystem	0	311	5,651	72	13	3.78	VH	5	2
SC	367	Spruce Creek	0	158	0	37	0	3.76	VH	5	3
CNL	6,211	Corrigan Ranch	0	2,723	0	0	0	3.51	VH	5	4
PRI	304	Dade County Archipelago	74	38	0	5	0	3.47	H	4	5
CNL	29,263	Bombing Range Ridge	0	8,026	22	10,610	0	3.29	H	4	6
PRI	14,534	Sand Mountain	0	0	7,410	385	200	3.15	H	4	7
CNL	5,336	Triple Diamond	0	1,846	0	0	0	2.77	H	4	8
CNL	29,567	Lake Wales Ridge Ecosystem	0	7,115	247	5,626	37	2.55	H	4	9
CNL	2,188	Shoal River Buffer	0	0	440	833	12	2.36	H	4	10
CCL	179	Archie Carr Sea Turtle Refuge	0	0	65	0	0	2.17	H	4	11
CNL	2,389	Perdido Pitcher Plant Prairie	0	0	0	1,678	0	2.11	H	4	12
PRI	5,862	Watermelon Pond	0	58	1,747	1	30	1.87	M	3	13
CCL	3,742	Taylor Sweetwater Creek	0	0	571	1,144	0	1.83	M	3	14
PRI	2,867	Clear Creek/Whiting Field	0	0	846	49	22	1.83	M	3	15
PRI	7,503	Hall Ranch	0	0	0	4,539	0	1.81	M	3	16
SC	3,077	Dickerson Bay/Bald Point	0	350	5	888	7	1.79	M	3	17
LTF	1,676	Hardee Flatwoods	0	18	0	939	0	1.77	M	3	18
LTF	1,264	Old Town Creek Watershed	0	4	0	724	0	1.74	M	3	19
CNL	43,051	Blue Head Ranch	0	7,608	0	4,461	0	1.72	M	3	20
PRI	6,990	Charlotte Harbor Flatwoods	0	10	0	3,916	0	1.69	M	3	21
LTF	5,021	Maytown Flatwoods	0	2	0	2,817	0	1.69	M	3	22
CCL	1,157	Coupon Bight/Key Deer	119	61	26	0	0	1.58	M	3	23
PRI	8,741	Annettella Hammock	0	0	2,219	59	110	1.56	M	3	24
CCL	5,849	Florida Keys Ecosystem	4	1,059	85	0	0	1.54	M	3	25
LTF	3,522	Conlin Lake X	0	155	0	1,328	0	1.48	M	3	26
PRI	3,912	Flagler County Blueway	0	487	164	287	0	1.47	M	3	27
CNL	11,706	South Goethe	0	13	2,643	172	0	1.41	M	3	28
LTF	5,598	Adams Ranch	0	887	0	254	0	1.40	M	3	29
CNL	3,592	Lake Hatchineha Watershed	0	104	0	1,336	0	1.35	M	3	30
PRI	21,104	Brevard Coastal Scrub Ecosystem	0	2,398	0	2,845	0	1.31	M	3	31
CNL	22,268	Wekiva-Ocala Greenway	0	2,335	734	1,350	0	1.22	M	3	32
CNL	6,300	Belle Meade	0	0	0	2,536	0	1.21	M	3	33
PRI	8,193	Atlantic Ridge Ecosystem	0	16	5	2,961	0	1.10	M	3	34
SC	2,657	South Walton County Ecosystem	0	64	12	768	0	1.09	M	3	35
CNL	48,973	Pine Island Slough Ecosystem	0	5,007	0	4,379	0	1.09	M	3	36
PRI	3,231	Catfish Creek	0	155	65	599	0	1.06	M	3	37
LTF	41,892	Big Bend Swamp/Holopaw Ranch	0	1,768	17	9,981	0	1.05	M	3	38
PRI	3,970	Wakulla Springs Protection Zone	0	0	524	122	484	1.01	M	3	39
PRI	9,564	Pal-Mar	0	0	0	3,143	0	0.99	ML	2	40
SC	5,902	Charlotte Harbor Estuary	0	14	29	1,841	0	0.98	ML	2	41
CCL	3,393	Garcon Ecosystem	0	0	0	1,050	0	0.93	ML	2	42
CNL	54,367	Etoniah/Cross Florida Greenway	0	1,163	4,157	5,215	80	0.92	ML	2	43
CNL	27,503	Osceola Pine Savannas	0	327	15	7,193	0	0.88	ML	2	44
PRI	12,440	Crossbar/Al Bar Ranch	0	324	1,091	591	0	0.88	ML	2	45
PRI	18,257	Indian River Lagoon Blueway	0	1,542	352	473	0	0.87	ML	2	46
LTF	16,316	Horse Creek Ranch	0	145	0	4,284	0	0.86	ML	2	47
LTF	2,826	Seven Runs Creek Final Phase	0	0	61	662	0	0.83	ML	2	48
LTF	2,338	Lower Perdido River Buffer	0	0	0	635	0	0.81	ML	2	49
LTF	6,382	Limestone Ranch	0	10	0	1,598	0	0.76	ML	2	50
PRI	1,129	Rainbow River Corridor	0	11	125	1	0	0.74	ML	2	51
CNL	11,572	Strategic Managed Area Lands List	0	233	685	579	110	0.68	ML	2	52
LTF	37,930	Kissimmee-St. Johns River Connector	0	2,356	0	2,162	0	0.67	ML	2	53
CNL	598	Southeastern Bat Maternity Caves	0	0	62	2	0	0.63	ML	2	54
LTF	122,213	Fisheating Creek Ecosystem	0	5,512	0	9,130	0	0.58	ML	2	55
LTF	4,172	Arbuckle Creek Watershed	0	164	0	332	0	0.55	ML	2	56
PRI	6,040	Florida's First Magnitude Springs	0	39	205	398	490	0.53	ML	2	57
LTF	30,573	Myakka Ranchlands	0	351	0	4,468	0	0.53	ML	2	58
LTF	3,881	Ochlockonee River Conservation Area	0	0	135	370	3	0.50	ML	2	59

NATURAL COMMUNITY SCORING METHOD

Minimum Area Threshold

None

Multiplier Applied to Acres in Preliminary Score Calculation

GlobalRank	Multiplier
G1	10
G2	8
G3	6
G4	3
G5	1

Note that multipliers are determined by underlying resource data and will be different for different resource types.

Preliminary Score Calculation

((G1 Acres * 10) + (G2 Acres * 8) + (G3 Acres * 6) + (G4 Acres * 3) + (G5 Acres * 1))/ Remaining Acres in Project

NATURAL COMMUNITY GROUP ASSIGNMENT CRITERIA

	If score is:
Very High:	3.50 - 10 and >0 acres in Priorities 1, 2 or 3
High:	2.00 - 3.49
Medium:	1.00 - 1.99
Medium-Low:	0.25 - 0.99, OR < 0.25 and >0 acres in Priorities 1, 2 or 3
Low:	< 0.25 and 0 acres in Priorities 1, 2, or 3

* Group Code corresponds to value on Comparative Analysis table

Sort Criteria

By Group then by Preliminary Score

For a more complete description of methods see Single Resource Evaluation Documentation at <http://www.fnai.org/FIForever.cfm>

			Resource Acres						Final Evaluation		
Category	Project Acres Remaining	Project	Nat Com G- Rank 1	Nat Com G- Rank 2	Nat Com G- Rank 3	Nat Com G- Rank 4	Nat Com G- Rank 5	Preliminary Score	Group	Group Code*	Sort
CNL	11,182	Half Circle L Ranch	0	0	0	1,674	0	0.45	ML	2	60
CNL	12,035	Upper Shoal River	0	0	218	1,262	3	0.42	ML	2	61
CNL	12,856	Caloosahatchee Ecoscape	0	15	0	1,746	0	0.42	ML	2	62
PRI	34,048	Corkscrew Regional Ecosystem Watershed	0	3	0	4,577	0	0.40	ML	2	63
CNL	97,434	Bear Creek Forest	0	0	32	12,421	0	0.38	ML	2	64
CNL	54,862	Forest and Lakes Ecosystem	0	0	2,652	1,349	766	0.38	ML	2	65
CCL	17,070	St. Johns River Blueway	0	205	0	1,521	0	0.36	ML	2	66
CNL	39,382	Panther Glades	0	0	0	4,724	0	0.36	ML	2	67
LTF	2,214	Eastern Scarp Ranchlands	0	95	0	0	0	0.34	ML	2	68
PRI	160,797	Green Swamp	0	122	290	16,842	326	0.33	ML	2	69
PRI	17,832	Volusia Conservation Corridor	0	47	0	1,694	0	0.31	ML	2	70
PRI	8,394	Baldwin Bay/St. Marys River	0	3	0	821	0	0.30	ML	2	71
CCL	11,920	Northeast Florida Blueway	0	12	59	884	0	0.26	ML	2	72
PRI	76,427	Northeast Florida Timberlands and Watershed Re	0	5	323	5,914	15	0.26	ML	2	73
PRI	12,344	Pumpkin Hill Creek	0	2	177	683	0	0.25	ML	2	74
LTF	99,032	Matanzas to Ocala Conservation Corridor	0	385	15	6,344	0	0.22	ML	2	75
LTF	12,515	Ranch Reserve	0	2	0	846	0	0.20	ML	2	76
CNL	53,601	Pinhook Swamp	0	0	2	3,193	373	0.19	ML	2	77
PRI	13,663	Heather Island/Ocklawaha River	0	0	8	816	37	0.19	ML	2	78
CNL	32,283	Camp Blanding to Raiford Greenway	0	0	24	1,678	2	0.16	ML	2	79
CCL	76,550	St. Joe Timberland	0	27	176	3,324	91	0.15	ML	2	80
CCL	4,511	West Bay Preservation Area	0	0	30	148	0	0.14	ML	2	81
CNL	4,689	Bear Hammock	0	0	70	76	0	0.14	ML	2	82
PRI	8,446	Pringle Creek Forest	0	0	14	261	0	0.10	ML	2	83
CNL	48,846	Apalachicola River	17	81	368	160	1,222	0.10	ML	2	84
CNL	22,399	Hixtown Swamp	0	0	16	347	819	0.09	ML	2	85
LTF	99,544	Coastal Headwaters Longleaf Forest	0	0	50	2,563	263	0.08	ML	2	86
PRI	10,253	Lafayette Forest	0	0	2	189	42	0.06	ML	2	87
SC	8,855	Florida Springs Coastal Greenway	0	2	0	161	0	0.06	ML	2	88
CNL	8,687	Wolfe Creek Forest	0	0	17	54	0	0.03	ML	2	89
LTF	6,923	Hosford Chapman's Rhododendron Protection Zo	0	0	19	10	2	0.02	ML	2	90
CCL	2,292	Terra Ceia	0	0	6	0	0	0.02	ML	2	91
LTF	25,611	Gulf Hammock	0	0	0	2,093	0	0.25	L	1	92
LTF	12,293	Mill Creek	0	0	0	935	7	0.23	L	1	93
CNL	1,967	Natural Bridge Creek	0	0	0	149	0	0.23	L	1	94
CHR	562	Pierce Mound Complex	0	0	0	42	0	0.22	L	1	95
LTF	3,804	Peace River Refuge	0	0	0	244	0	0.19	L	1	96
LTF	67,702	Raiford to Osceola Greenway	0	0	0	4,338	0	0.19	L	1	97
CNL	44,999	San Pedro Bay	0	0	0	2,789	21	0.19	L	1	98
LTF	6,018	Ayavalla Plantation	0	0	0	236	292	0.17	L	1	99
CNL	14,908	Wacissa/Aucilla River Sinks	0	0	0	766	1	0.15	L	1	100
PRI	9,619	Lake Santa Fe	0	0	0	459	0	0.14	L	1	101
CHR	853	Battle of Wahoo Swamp	0	0	0	0	119	0.14	L	1	102
PRI	305	Carr Farm/Price's Scrub	0	0	0	0	39	0.13	L	1	103
CNL	1,717	Ichetucknee Trace	0	0	0	7	177	0.11	L	1	104
LTF	2,085	Little River Conservation Area	0	0	0	50	80	0.11	L	1	105
LTF	14,153	North Waccasassa Flats	0	0	0	424	0	0.09	L	1	106
CNL	8,128	Twelvemile Slough	0	0	0	235	0	0.09	L	1	107
SC	4,446	Lochloosa Wildlife	0	0	0	108	0	0.07	L	1	108
LTF	30,705	Lower Suwannee River and Gulf Watershed	0	0	0	482	0	0.05	L	1	109
CNL	55,694	Devil's Garden	0	0	0	788	0	0.04	L	1	110
PRI	12,304	Middle Chipola River	0	0	0	117	124	0.04	L	1	111
PRI	2,348	Crayfish Habitat Restoration	0	0	0	27	0	0.03	L	1	112
PRI	8,321	Welannee Watershed Forest	0	0	0	74	41	0.03	L	1	113
LTF	710	West Aucilla River Buffer	0	0	0	2	10	0.02	L	1	114
CNL	12,428	Telogia Creek	0	0	0	43	0	0.01	L	1	115
CNL	1,665	Econfina Timberlands	0	0	0	0	14	0.01	L	1	116
PRI	4,693	Lochloosa Forest	0	0	0	12	0	0.01	L	1	117
SC	24	Save Our Everglades	0	0	0	0	0	0.01	L	1	118
LTF	10,996	Bluefield to Cow Creek	0	0	0	0	0	0.00	L	1	119
LTF	83	Millstone Plantation	0	0	0	0	0	0.00	L	1	119

Natural Communities, continued

			Resource Acres						Final Evaluation		
Category	Project Acres Remaining	Project	Nat Com G- Rank 1	Nat Com G- Rank 2	Nat Com G- Rank 3	Nat Com G- Rank 4	Nat Com G- Rank 5	Preliminary Score	Group	Group Code*	Sort
CHR	148	Pineland Site Complex	0	0	0	0	0	0.00	L	1	119
LTF	376	San Felasco Conservation Corridor	0	0	0	0	0	0.00	L	1	119
LTF	1,254	Suwannee County Preservation	0	0	0	0	0	0.00	L	1	119
CCL	1,142	Tiger Island/Little Tiger Island	0	0	0	0	0	0.00	L	1	119
LTF	3,286	Withlacoochee River Corridor	0	0	0	0	0	0.00	L	1	119

SURFACE WATERS Single Resource Score Worksheet

Category	Project Acres Remaining	Project	Resource Acres							Wtd Average PEU Class	Max PEU Score	Final Evaluation		
			Surface Waters Priority 1	Surface Waters Priority 2	Surface Waters Priority 3	Surface Waters Priority 4	Surface Waters Priority 5	Surface Waters Priority 6	Surface Waters Priority 7			Group	Group Code*	Sort
SC	3,077	Dickerson Bay/Bald Point	2,458	21	0	324	0	0	0	4.71	9.55	VH	5	1
CNL	48,846	Apalachicola River	8,326	23,371	8,678	4,051	2,975	225	75	4.64	9.11	VH	5	2
CCL	2,292	Terra Ceia	1,993	17	0	128	0	0	0	4.33	10.00	H	4	3
LTF	3,881	Ochlockonee River Conservation Area	0	2,547	532	722	41	0	0	4.47	8.00	H	4	4
CCL	4,511	West Bay Preservation Area	2,949	0	0	1,440	0	0	0	4.23	8.47	H	4	5
PRI	12,344	Pumpkin Hill Creek	7,514	310	478	2,633	613	224	77	4.32	10.00	H	4	6
CCL	11,920	Northeast Florida Blueway	6,835	541	1,752	1,740	208	167	11	4.24	10.00	H	4	7
SC	24	Save Our Everglades	0	22	0	0	0	0	0	4.08	8.00	H	4	8
CHR	148	Pineland Site Complex	96	0	0	37	0	0	0	2.02	7.48	ML	2	9
CHR	562	Pierce Mound Complex	482	0	24	15	0	0	0	3.00	8.94	M	3	10
CNL	97,434	Bear Creek Forest	27,905	1,824	19,925	16,750	21,557	5,604	856	4.00	6.16	H	4	11
CCL	1,142	Tiger Island/Little Tiger Island	1,122	0	0	0	0	0	0	4.00	10.00	H	4	12
CCL	3,393	Garcon Ecosystem	1,688	56	0	1,514	0	0	0	4.00	7.29	H	4	13
LTF	1,676	Hardee Flatwoods	0	1,004	0	525	103	43	0	4.00	6.41	H	4	14
CNL	2,188	Shoal River Buffer	0	833	969	331	16	0	0	3.99	6.37	H	4	15
SC	4,446	Lochloosa Wildlife	1,718	387	0	2,099	3	201	0	3.97	10.00	H	4	16
CNL	22,268	Wekiva-Ocala Greenway	7,553	2,121	10	10,826	244	1,004	0	3.93	10.00	H	4	17
SC	8,855	Florida Springs Coastal Greenway	4,959	202	230	1,283	0	0	0	3.51	10.00	H	4	18
SC	5,902	Charlotte Harbor Estuary	3,450	226	0	1,616	0	0	0	4.09	10.00	H	4	19
SC	2,657	South Walton County Ecosystem	1,134	103	38	703	28	0	0	3.83	7.66	H	4	20
PRI	12,304	Middle Chipola River	0	7,099	1,378	2,674	58	0	2	3.78	7.45	H	4	21
CNL	27,503	Osceola Pine Savannas	3,494	6,736	5,907	9,427	1,617	0	0	3.78	6.79	H	4	22
CNL	14,908	Wacissa/Aucilla River Sinks	2,529	3,047	430	6,971	962	535	0	3.50	8.49	H	4	23
LTF	99,544	Coastal Headwaters Longleaf Forest	20,376	6,967	15,956	31,716	18,527	203	4,307	3.64	9.43	H	4	24
PRI	9,564	Pal-Mar	255	3,957	303	4,805	32	0	0	3.18	6.34	M	3	25
PRI	3,231	Catfish Creek	0	1,107	0	2,089	0	7	0	3.17	7.71	M	3	26
CNL	6,300	Belle Meade	0	2,438	0	3,766	0	0	0	3.16	8.00	M	3	27
PRI	9,619	Lake Santa Fe	0	4,096	41	3,138	161	1,817	14	3.19	7.89	M	3	28
PRI	8,193	Atlantic Ridge Ecosystem	1,257	919	0	5,407	0	561	0	3.15	6.17	M	3	29
PRI	8,321	Welannee Watershed Forest	0	4,503	1,235	1,955	445	0	0	4.00	6.77	H	4	30
LTF	30,573	Myakka Ranchlands	3,252	3,458	12,860	6,614	3,945	23	0	3.46	9.26	M	3	31
PRI	34,048	Corkscrew Regional Ecosystem Watershed	214	14,468	10	16,074	2,333	819	0	3.12	9.19	M	3	32
LTF	1,254	Suwannee County Preservation	0	303	13	638	271	0	0	2.88	7.84	M	3	33
PRI	6,990	Charlotte Harbor Flatwoods	1,031	459	0	5,177	0	239	0	3.09	7.48	M	3	34
CCL	1,157	Coupon Bight/Key Deer	694	0	213	0	0	0	0	3.55	10.00	H	4	35
CCL	17,070	St. Johns River Blueway	0	4,320	6,016	4,958	1,536	14	0	3.03	7.76	M	3	36
PRI	160,797	Green Swamp	3,341	21,736	269	59,015	12,144	55,505	2,759	2.11	8.00	ML	2	37
CNL	29,263	Bombing Range Ridge	0	3,651	0	22,598	2	2,704	0	3.00	6.89	M	3	38
SC	367	Spruce Creek	1	0	273	24	57	0	0	3.01	6.36	M	3	39
CNL	8,687	Wolfe Creek Forest	0	2,435	3,588	1,525	969	0	0	3.01	7.70	M	3	40
LTF	41,892	Big Bend Swamp/Holopaw Ranch	0	5,014	4,332	18,572	12,252	1,550	0	3.00	6.40	M	3	41
LTF	37,930	Kissimmee-St. Johns River Connector	2,652	3,283	2,089	17,716	3,205	7,396	1,260	3.00	6.71	M	3	42
LTF	3,804	Peace River Refuge	0	127	0	2,489	1,041	0	0	3.00	4.25	M	3	43
LTF	12,515	Ranch Reserve	1,313	864	4,062	3,618	2,500	1	0	3.00	9.48	M	3	44
LTF	2,085	Little River Conservation Area	0	578	0	967	516	0	0	3.00	5.31	M	3	45
CNL	54,862	Forest and Lakes Ecosystem	1,354	5,069	8,590	15,075	18,296	1,917	2,718	3.00	7.15	M	3	46
LTF	6,382	Limestone Ranch	0	0	529	1,125	2,163	2,145	344	2.00	3.62	ML	2	47
CNL	3,592	Lake Hatchineha Watershed	0	681	0	2,884	0	0	0	3.00	5.08	M	3	48
LTF	3,522	Conlin Lake X	0	0	0	899	2,451	23	0	3.00	4.62	M	3	49
CNL	1,665	Econfina Timberlands	0	135	218	357	934	1	0	3.00	5.38	M	3	50
PRI	7,503	Hall Ranch	929	228	0	6,261	0	0	0	3.00	4.82	M	3	51
LTF	2,338	Lower Perdido River Buffer	0	0	0	1,542	636	104	40	3.00	4.10	M	3	52
LTF	4,172	Arbuckle Creek Watershed	0	1,933	0	1,867	366	0	0	3.60	8.00	H	4	53
CNL	5,336	Triple Diamond	0	2,268	0	3,061	0	0	0	3.00	5.69	M	3	54
PRI	12,440	Crossbar/Al Bar Ranch	0	3,631	0	4,523	2,129	2,090	35	3.00	4.98	M	3	55
CNL	12,856	Caloosahatchee Ecoscape	0	1,026	0	8,874	2,094	807	0	3.00	4.93	M	3	56
CNL	12,428	Telogia Creek	0	0	1,666	4,098	5,997	414	0	3.00	4.60	M	3	57

SURFACE WATERS SCORING METHOD

Multiplier Applied to Acres in Preliminary Score

Calculation

SURFACE WATERS Multiplier

Priority 1	10
Priority 2	8
Priority 3	6
Priority 4	5
Priority 5	4
Priority 6	2
Priority 7	1

Note that multipliers are determined by underlying resource data and will be different for different resource types.

Preliminary Score Calculation - calculated on Project Evaluation Units (PEU). Remaining areas of each project are grouped into separate contiguous units (PEU) for analysis.

((Priority 1 Acres * 10) + (Priority 2 Acres * 8) + (Priority 3 Acres * 6) + (Priority 4 Acres * 5) + (Priority 5 Acres * 4) + (Priority 6 Acres * 2) + (Priority 7 Acres * 1)) / Remaining Acres in Project

PEU Group Assignment	AND	a	AND
CLASS CRITERIA	Score	PEU Rem Ac	PEU Full Ac
VERY HIGH	7+	1,000+ in P1-2 comb.	2,500+
HIGH	6 - 6.99		1,000+
MEDIUM	3.75 - 5.99		250+
MED LOW	2 - 3.74		50+
	or	<2	>0 in P1
LOW		remaining PEUs	50+

SURFACE WATERS GROUP ASSIGNMENT CRITERIA

PEUs classes for each project are averaged, weighted by PEU acres.

	If average PEU class is:
Very High:	4.5+
High:	3.5 - 4.49
Medium:	2.5 - 3.49
Medium-Low:	1.5 - 2.49
Low:	<1.5

* Group Code corresponds to value on Comparative

Analysis table

Sort Criteria

By Group, then by Average PEU Class, then by Max PEU

Category	Project Acres Remaining	Project	Resource Acres							Wtd Average PEU Class	Max PEU Score	Final Evaluation		
			Surface Waters Priority 1	Surface Waters Priority 2	Surface Waters Priority 3	Surface Waters Priority 4	Surface Waters Priority 5	Surface Waters Priority 6	Surface Waters Priority 7			Group	Group Code*	Sort
PRI	8,446	Pringle Creek Forest	2,506	52	413	3,848	374	975	267	3.00	5.62	M	3	58
CNL	48,973	Pine Island Slough Ecosystem	565	5,572	79	31,890	5,787	4,939	0	3.00	4.43	M	3	59
LTF	6,018	Ayavalla Plantation	0	1,874	672	2,291	966	0	0	3.00	5.49	M	3	60
LTF	5,598	Adams Ranch	0	904	71	4,255	144	223	0	3.00	5.83	M	3	61
CNL	8,128	Twelvemile Slough	0	1,677	85	5,723	263	325	0	3.00	5.17	M	3	62
CNL	12,035	Upper Shoal River	0	882	3,455	1,901	5,240	274	0	3.00	5.93	M	3	63
LTF	16,316	Horse Creek Ranch	0	0	2,793	509	8,971	2,878	982	3.00	4.31	M	3	64
CHR	853	Battle of Wahoo Swamp	0	0	14	82	453	303	0	3.00	3.84	M	3	65
CNL	43,051	Blue Head Ranch	1,536	3,548	0	12,282	24,462	21	1,094	3.00	5.03	M	3	66
CNL	11,182	Half Circle L Ranch	2,557	893	0	6,835	0	883	0	3.00	5.53	M	3	67
LTF	2,214	Eastern Scarp Ranchlands	0	91	0	2,026	92	0	0	3.00	4.20	M	3	68
PRI	4,693	Lochloosa Forest	0	723	0	2,715	111	1,100	38	3.00	4.14	M	3	69
CNL	1,967	Natural Bridge Creek	0	0	0	1,408	537	0	0	3.00	4.23	M	3	70
LTF	25,611	Gulf Hammock	6,715	255	71	12,577	93	5,036	0	3.00	5.10	M	3	71
LTF	2,826	Seven Runs Creek Final Phase	928	398	428	893	147	0	0	2.83	9.05	M	3	72
CNL	6,211	Corrigan Ranch	0	1,478	0	4,704	0	0	0	2.99	4.94	M	3	73
PRI	10,253	Lafayette Forest	0	2,047	17	4,770	700	1,761	308	2.99	8.00	M	3	74
LTF	3,286	Withlacoochee River Corridor	0	592	2,368	154	90	0	0	2.99	7.62	M	3	75
CCL	3,742	Taylor Sweetwater Creek	974	59	0	1,885	237	542	0	2.99	5.36	M	3	76
LTF	6,923	Hosford Chapman's Rhododendron Protection Zone	0	2,423	739	2,743	530	277	0	2.98	5.52	M	3	77
CNL	2,389	Perdido Pitcher Plant Prairie	269	163	0	1,137	24	704	37	2.89	9.75	M	3	78
PRI	14,534	Sand Mountain	0	4,214	1,398	7,898	48	183	0	2.98	7.16	M	3	79
CCL	76,550	St. Joe Timberland	21,863	5,054	236	41,357	1,283	4,582	0	2.97	10.00	M	3	80
PRI	76,427	Northeast Florida Timberlands and Watershed Reserve	48	8,516	4,403	21,995	21,405	14,826	1,102	2.57	9.73	M	3	81
CCL	5,849	Florida Keys Ecosystem	4,726	7	716	0	0	54	0	3.26	10.00	M	3	82
PRI	13,663	Heather Island/Ocklawaha River	752	1,042	141	7,989	214	3,436	0	2.95	4.92	M	3	83
CNL	4,689	Bear Hammock	487	0	0	1,629	6	2,540	0	1.97	3.57	ML	2	84
CNL	54,367	Etoniah/Cross Florida Greenway	1,231	8,365	77	23,104	8,105	9,037	1,922	2.96	10.00	M	3	85
LTF	1,264	Old Town Creek Watershed	0	0	0	219	613	403	0	2.92	3.95	M	3	86
PRI	1,129	Rainbow River Corridor	375	35	0	517	82	102	0	2.56	7.63	M	3	87
PRI	2,348	Crayfish Habitat Restoration	398	0	0	1,896	0	0	0	2.91	4.95	M	3	88
PRI	3,912	Flagler County Blueway	1,775	111	288	1,412	110	20	0	3.31	9.69	M	3	89
PRI	2,867	Clear Creek/Whiting Field	0	1,094	48	1,425	69	125	0	2.83	5.77	M	3	90
PRI	21,104	Brevard Coastal Scrub Ecosystem	3,108	1,652	0	10,989	286	3,894	0	2.82	10.00	M	3	91
LTF	376	San Felasco Conservation Corridor	0	0	0	199	177	0	0	2.78	4.66	M	3	92
CNL	11,572	Strategic Managed Area Lands List	2,033	3,764	507	3,137	337	493	183	3.09	9.97	M	3	93
LTF	122,213	Fisheating Creek Ecosystem	1,596	10,161	1,777	62,098	21,324	8,232	15,746	2.72	7.90	M	3	94
LTF	16,951	Red Hills Conservation	0	312	0	4,775	7,016	1,928	2,592	2.67	4.50	M	3	95
LTF	710	West Aucilla River Buffer	0	14	205	29	429	0	0	2.66	5.32	M	3	96
LTF	30,705	Lower Suwannee River and Gulf Watershed	2,569	215	142	10,403	1,657	14,369	291	2.44	5.75	ML	2	97
PRI	6,040	Florida's First Magnitude Springs	474	1,258	2,274	725	143	68	859	2.94	10.00	M	3	98
CNL	598	Southeastern Bat Maternity Caves	28	407	16	11	0	38	62	2.14	7.97	ML	2	99
CNL	11,706	South Goethe	584	80	679	2,206	1,429	6,284	256	2.52	4.53	M	3	100
CNL	29,567	Lake Wales Ridge Ecosystem	146	5,706	0	13,790	904	5,715	1,656	2.49	7.62	ML	2	101
CCL	179	Archie Carr Sea Turtle Refuge	115	0	0	27	0	1	0	2.43	10.00	ML	2	102
PRI	18,257	Indian River Lagoon Blueway	5,014	18	0	2,599	0	8,390	1,193	2.37	10.00	ML	2	103
CNL	1,717	Ichetucknee Trace	0	169	452	496	0	565	0	2.39	8.00	ML	2	104
PRI	3,970	Wakulla Springs Protection Zone	27	343	128	1,666	154	1,260	260	2.24	6.03	ML	2	105
PRI	17,832	Volusia Conservation Corridor	0	1,239	0	6,731	485	6,728	2,186	2.12	4.29	ML	2	106
CNL	39,382	Panther Glades	0	3,778	0	19,387	39	16,032	0	2.08	6.93	ML	2	107
PRI	8,394	Baldwin Bay/St. Marys River	0	26	21	2,085	1,476	3,298	1,266	2.04	4.36	ML	2	108
CNL	32,283	Camp Blanding to Raiford Greenway	0	316	0	3,400	5,294	19,877	1,546	2.03	4.22	ML	2	109
LTF	83	Millstone Plantation	0	0	0	59	0	0	0	2.03	2.78	ML	2	110
CNL	22,399	Hixtown Swamp	0	0	0	390	5,202	12,274	3,875	2.00	2.50	ML	2	111
LTF	12,293	Mill Creek	0	216	0	1,916	1,626	8,192	328	2.00	2.78	ML	2	112
LTF	99,032	Matanzas to Ocala Conservation Corridor	320	3,536	663	11,803	22,071	40,809	19,429	2.00	2.97	ML	2	113
LTF	14,153	North Waccasassa Flats	0	0	0	1,232	4,200	2,777	5,487	2.00	2.61	ML	2	114
CNL	44,999	San Pedro Bay	0	19	4,792	3,126	18,043	1,948	15,400	2.00	5.52	ML	2	115

Surface Waters, continued

Category	Project Acres Remaining	Project	Resource Acres							Wtd Average PEU Class	Max PEU Score	Final Evaluation		
			Surface Waters Priority 1	Surface Waters Priority 2	Surface Waters Priority 3	Surface Waters Priority 4	Surface Waters Priority 5	Surface Waters Priority 6	Surface Waters Priority 7			Group	Group Code*	Sort
LTF	5,021	Maytown Flatwoods	0	6	0	633	709	3,558	3	2.00	2.64	ML	2	116
LTF	67,702	Raiford to Osceola Greenway	0	1,145	1,211	14,294	10,424	27,476	11,144	2.00	2.83	ML	2	117
PRI	305	Carr Farm/Price's Scrub	0	0	0	207	0	94	0	2.00	3.33	ML	2	118
CNL	53,601	Pinhook Swamp	1,118	2,182	706	9,346	3,274	29,364	6,470	1.98	9.95	ML	2	119
PRI	5,862	Watermelon Pond	0	75	0	1,554	0	2,384	1,277	1.84	3.40	ML	2	120
PRI	8,741	Annutteliga Hammock	0	56	0	498	3	5,935	1,300	1.32	2.24	L	1	121
CNL	9,687	Longleaf Pine Ecosystem	0	0	0	0	1,347	4,750	3,404	1.31	3.40	L	1	122
CNL	55,694	Devil's Garden	388	1,305	0	6,957	3,555	9,005	34,097	1.24	6.29	L	1	123
PRI	304	Dade County Archipelago	0	15	0	61	13	135	58	1.11	6.23	L	1	124
LTF	10,996	Bluefield to Cow Creek	0	0	0	0	0	10,985	0	1.00	2.00	L	1	125

WETLANDS & FLOODPLAIN Single Resource Score Worksheet

			Resource Acres						Final Evaluation			
Project Acres			Wetlds-Fldpln	Wetlds-Fldpln	Wetlds-Fldpln	Wetlds-Fldpln	Wetlds-Fldpln	Wetlds-Fldpln	Preliminary Score	Group	Group Code*	Sort
Category	Remaining	Project	Priority 1	Priority 2	Priority 3	Priority 4	Priority 5	Priority 6				
CCL	1,142	Tiger Island/Little Tiger Island	851	281	5	1	0	0	9.45	VH	5	1
LTF	3,077	Dickerson Bay/Bald Point	473	1,453	875	100	0	0	7.15	VH	5	2
CNL	48,846	Apalachicola River	15,273	18,562	6,670	990	0	0	7.07	VH	5	3
CCL	3,393	Garcon Ecosystem	639	1,447	829	38	0	0	6.81	H	4	4
CCL	3,742	Taylor Sweetwater Creek	1,448	1,214	185	2	0	0	6.76	H	4	5
CHR	853	Battle of Wahoo Swamp	0	487	296	1	0	0	6.65	H	4	6
CCL	5,849	Florida Keys Ecosystem	1,183	2,225	1,120	600	51	0	6.64	H	4	7
CCL	8,855	Florida Springs Coastal Greenway	3,613	2,064	776	230	4	0	6.58	H	4	8
LTF	5,021	Maytown Flatwoods	2,659	573	100	0	0	0	6.33	H	4	9
CCL	2,292	Terra Ceia	774	297	348	389	242	120	6.27	H	4	10
PRI	9,564	Pal-Mar	3,499	2,053	1,154	265	22	4	6.22	H	4	11
PRI	34,048	Corkscrew Regional Ecosystem Watershed	6,917	9,741	7,145	3,815	1,830	1,686	6.18	H	4	12
SC	5,902	Charlotte Harbor Estuary	1,470	1,593	1,056	497	235	43	6.15	H	4	13
SC	24	Save Our Everglades	0	7	15	0	0	0	6.13	H	4	14
LTF	3,804	Peace River Refuge	165	1,344	1,491	420	100	19	6.11	H	4	15
CNL	2,188	Shoal River Buffer	316	1,130	129	11	0	0	5.95	M	3	16
SC	14,908	Wacissa/Aucilla River Sinks	2,273	4,347	2,119	4,241	17	0	5.85	M	3	17
CCL	76,550	St. Joe Timberland	17,819	9,208	14,765	26,468	62	0	5.83	M	3	18
PRI	18,257	Indian River Lagoon Blueway	5,106	4,483	2,032	1,642	257	100	5.82	M	3	19
CNL	6,300	Belle Meade	1,130	1,645	953	556	433	1,424	5.51	M	3	20
CCL	3,286	Withlacoochee River Corridor	536	908	653	317	28	0	5.44	M	3	21
CCL	1,157	Coupon Bight/Key Deer	95	354	299	164	27	2	5.44	M	3	22
CNL	2,389	Perdido Pitcher Plant Prairie	209	593	928	80	3	0	5.33	M	3	23
PRI	12,344	Pumpkin Hill Creek	4,451	1,441	880	1,025	50	1	5.31	M	3	24
SC	1,665	Econfina Timberlands	121	603	387	115	0	0	5.30	M	3	25
CHR	562	Pierce Mound Complex	0	71	308	112	0	0	5.10	M	3	26
CNL	11,572	Strategic Managed Area Lands List	2,988	2,414	813	960	3	11	5.01	M	3	27
CNL	11,182	Half Circle L Ranch	1,142	2,676	1,359	1,723	2,514	1,752	4.89	M	3	28
LTF	3,522	Conlin Lake X	484	935	577	321	6	0	4.85	M	3	29
LTF	4,511	West Bay Preservation Area	249	505	1,342	1,813	0	0	4.84	M	3	30
LTF	41,892	Big Bend Swamp/Holopaw Ranch	8,870	8,139	4,920	3,777	2,116	68	4.84	M	3	31
CCL	179	Archie Carr Sea Turtle Refuge	3	88	18	3	2	0	4.79	M	3	32
CNL	22,399	Hixtown Swamp	3,486	5,860	4,120	145	8	0	4.78	M	3	33
CNL	44,999	San Pedro Bay	0	2,670	19,860	18,487	0	0	4.77	M	3	34
LTF	1,676	Hardee Flatwoods	0	823	217	16	14	0	4.76	M	3	35
LTF	14,153	North Waccasassa Flats	92	3,489	6,371	9	0	0	4.74	M	3	36
LTF	25,611	Gulf Hammock	0	1,697	8,121	14,701	16	2	4.73	M	3	37
CNL	39,382	Panther Glades	5,608	5,525	3,916	11,614	5,227	4,377	4.70	M	3	38
LTF	3,881	Ochlockonee River Conservation Area	831	970	322	45	0	0	4.69	M	3	39
LTF	30,705	Lower Suwannee River and Gulf Watershed	1,891	4,218	6,054	12,825	0	0	4.57	M	3	40
CNL	598	Southeastern Bat Maternity Caves	4	222	142	6	0	0	4.50	M	3	41
SC	4,446	Lochloosa Wildlife	1	1,160	1,720	58	0	0	4.46	M	3	42
CNL	17,832	Volusia Conservation Corridor	1,150	4,907	3,106	1,893	388	6	4.36	M	3	43
CNL	8,128	Twelvemile Slough	834	1,259	951	1,332	2,173	1,352	4.32	M	3	44
PRI	8,394	Baldwin Bay/St. Marys River	946	1,531	1,559	834	74	0	4.12	M	3	45
PRI	22,268	Wekiva-Ocala Greenway	5,007	3,083	1,842	1,143	60	14	4.06	M	3	46
PRI	8,321	Welannee Watershed Forest	61	2,102	2,414	464	0	0	4.06	M	3	47
PRI	3,912	Flagler County Blueway	61	817	1,194	348	45	11	4.04	M	3	48
LTF	2,085	Little River Conservation Area	165	568	297	113	0	0	4.04	M	3	49
CCL	11,920	Northeast Florida Blueway	39	1,297	4,543	2,115	511	293	4.01	M	3	50
LTF	2,826	Seven Runs Creek Final Phase	260	676	478	94	0	0	3.98	ML	2	51
LTF	5,336	Triple Diamond	1,157	719	368	248	306	71	3.97	ML	2	52
LTF	12,293	Mill Creek	847	2,598	1,370	1,712	863	107	3.75	ML	2	53
CNL	53,601	Pinhook Swamp	1,366	5,393	17,132	9,054	1	0	3.65	ML	2	54
LTF	2,338	Lower Perdido River Buffer	0	35	934	595	86	0	3.61	ML	2	55
PRI	160,797	Green Swamp	5,107	23,626	44,897	15,267	3,382	181	3.59	ML	2	56
PRI	8,193	Atlantic Ridge Ecosystem	1,292	750	991	701	308	35	3.46	ML	2	57
PRI	29,263	Bombing Range Ridge	7,146	2,701	1,074	352	39	0	3.45	ML	2	58
CNL	27,503	Osceola Pine Savannas	2,770	4,338	3,431	1,899	1,769	36	3.42	ML	2	59
PRI	10,253	Lafayette Forest	80	618	2,278	3,856	0	0	3.40	ML	2	60
LTF	99,032	Matanzas to Ocala Conservation Corridor	6,158	10,728	19,173	16,624	156	6	3.32	ML	2	61
CCL	55,694	Devil's Garden	1,168	3,484	9,632	13,624	12,120	7,448	3.30	ML	2	62

WETLANDS-FLOODPLAIN SCORING METHOD

Minimum Area Threshold

None

Multiplier Applied to Acres in Preliminary Score Calculation

WETLDS-FLDPLN Multiplier

Priority 1	10
Priority 2	8
Priority 3	6
Priority 4	4
Priority 5	2
Priority 6	1

Note that multipliers are determined by underlying resource data and will be different for different resource types.

Preliminary Score Calculation

((Priority 1 Acres * 10) + (Priority 2 Acres * 8) + (Priority 3 Acres * 6) + (Priority 4 Acres * 4) + (Priority 5 Acres * 2) + (Priority 6 Acres * 1)) / Remaining Acres in Project

WETLANDS-FLOODPLAIN GROUP ASSIGNMENT CRITERIA

If score is:	
Very High:	7.00 - 10 and >0 acres in Priority 1
High:	6.00 - 6.99
Medium:	4.00 - 5.99
Medium-Low:	1.50 - 2.99, OR <1.50 and >0 acres in Priority 1
Low:	<1.50 and 0 acres in Priority 1

* Group Code corresponds to value on Comparative Analysis table

Sort Criteria

By Group then by Preliminary Score

For a more complete description of methods see Single Resource Evaluation Documentation at <http://www.fnai.org/FIForever.cfm>

			Resource Acres						Preliminary Score	Final Evaluation		
Project Acres		Project	Wetlds- Fldpln	Wetlds- Fldpln	Wetlds- Fldpln	Wetlds- Fldpln	Wetlds- Fldpln	Wetlds- Fldpln		Group		
Category	Remaining		Priority 1	Priority 2	Priority 3	Priority 4	Priority 5	Priority 6		Group	Code*	Sort
SC	367	Spruce Creek	3	35	82	98	0	0	3.27	ML	2	63
PRI	8,446	Pringle Creek Forest	73	1,296	1,227	2,245	18	0	3.25	ML	2	64
CCL	21,104	Brevard Coastal Scrub Ecosystem	1,536	2,433	3,473	2,436	451	2,036	3.24	ML	2	65
CHR	148	Pineland Site Complex	0	0	15	79	21	16	3.14	ML	2	66
LTF	67,702	Raiford to Osceola Greenway	3,639	4,891	10,898	17,740	0	0	3.13	ML	2	67
PRI	2,348	Crayfish Habitat Restoration	0	0	294	1,326	34	101	3.08	ML	2	68
CNL	32,283	Camp Blanding to Raiford Greenway	1,349	2,505	5,978	7,185	382	81	3.07	ML	2	69
SC	2,657	South Walton County Ecosystem	10	161	992	159	48	0	3.04	ML	2	70
PRI	3,231	Catfish Creek	350	264	159	303	593	646	2.97	ML	2	71
LTF	6,923	Hosford Chapman's Rhododendron Protection Zone	13	507	2,234	725	0	0	2.96	ML	2	72
LTF	122,213	Fisheating Creek Ecosystem	5,624	14,003	17,388	13,848	13,369	3,115	2.93	ML	2	73
CNL	43,051	Blue Head Ranch	1,783	5,766	5,674	4,957	3,026	357	2.89	ML	2	74
PRI	12,304	Middle Chipola River	0	103	2,274	4,867	127	6	2.78	ML	2	75
PRI	6,990	Charlotte Harbor Flatwoods	642	574	644	909	345	0	2.75	ML	2	76
CCL	17,070	St. Johns River Blueway	190	867	3,153	4,578	336	111	2.74	ML	2	77
CNL	12,428	Telogia Creek	202	1,724	2,670	482	0	0	2.72	ML	2	78
PRI	13,663	Heather Island/Ocklawaha River	845	2,748	799	427	48	0	2.71	ML	2	79
CNL	54,367	Etoniah/Cross Florida Greenway	2,554	6,385	11,466	361	39	1	2.70	ML	2	80
CNL	3,592	Lake Hatchineha Watershed	77	635	392	270	86	0	2.63	ML	2	81
LTF	37,930	Kissimmee-St. Johns River Connector	887	2,033	4,977	7,970	6,075	229	2.62	ML	2	82
CNL	10,996	Bluefield to Cow Creek	12	1,938	1,562	774	273	2	2.61	ML	2	83
PRI	7,503	Hall Ranch	982	860	362	32	25	0	2.54	ML	2	84
LTF	6,018	Ayavalla Plantation	68	731	1,386	97	0	0	2.53	ML	2	85
LTF	4,172	Arbuckle Creek Watershed	0	403	796	498	176	1	2.48	ML	2	86
PRI	9,619	Lake Santa Fe	183	873	1,198	1,881	48	0	2.46	ML	2	87
CNL	97,434	Bear Creek Forest	0	338	13,839	35,586	44	0	2.34	ML	2	88
PRI	6,040	Florida's First Magnitude Springs	75	1,001	795	127	29	1	2.33	ML	2	89
CNL	29,567	Lake Wales Ridge Ecosystem	1,500	2,746	3,801	1,961	405	45	2.32	ML	2	90
LTF	30,573	Myakka Ranchlands	527	2,021	4,302	4,792	1,724	191	2.29	ML	2	91
PRI	14,534	Sand Mountain	708	2,189	1,196	44	0	0	2.20	ML	2	92
CNL	12,856	Caloosahatchee Ecoscape	36	331	1,904	1,631	2,543	1,689	2.16	ML	2	93
CNL	48,973	Pine Island Slough Ecosystem	1,253	3,800	5,210	4,616	5,600	505	2.13	ML	2	94
LTF	5,598	Adams Ranch	0	305	847	697	741	18	2.11	ML	2	95
CNL	6,211	Corrigan Ranch	385	422	721	280	50	7	2.06	ML	2	96
CNL	1,967	Natural Bridge Creek	129	203	115	101	0	0	2.04	ML	2	97
LTF	6,382	Limestone Ranch	145	530	645	694	80	13	1.96	ML	2	98
CNL	4,689	Bear Hammock	1	2	1,131	582	5	0	1.95	ML	2	99
PRI	305	Carr Farm/Price's Scrub	0	40	29	25	0	0	1.94	ML	2	100
LTF	12,515	Ranch Reserve	0	67	2,551	1,769	465	0	1.91	ML	2	101
CNL	11,706	South Goethe	20	868	1,110	1,918	59	0	1.84	ML	2	102
LTF	1,254	Suwannee County Preservation	0	7	183	279	12	0	1.83	ML	2	103
LTF	1,264	Old Town Creek Watershed	0	163	90	95	5	0	1.77	ML	2	104
LTF	376	San Felasco Conservation Corridor	0	0	0	154	11	0	1.70	ML	2	105
PRI	4,693	Lochloosa Forest	0	11	616	994	0	0	1.65	ML	2	106
PRI	76,427	Northeast Florida Timberlands and Watershed Reserve	204	1,132	9,260	13,982	1,152	12	1.63	ML	2	107
CNL	54,862	Forest and Lakes Ecosystem	260	1,399	6,920	7,808	10	1	1.58	ML	2	108
LTF	16,316	Horse Creek Ranch	8	1,222	1,502	1,491	289	43	1.56	ML	2	109
CNL	710	West Aucilla River Buffer	0	26	10	206	0	0	1.55	ML	2	110
PRI	12,440	Crossbar/Al Bar Ranch	0	623	796	2,061	500	111	1.54	ML	2	111
LTF	16,951	Red Hills Conservation	849	1,090	1,183	324	6	0	1.51	ML	2	112
PRI	8,741	Annutteliga Hammock	48	788	885	219	9	0	1.49	ML	2	113
CNL	12,035	Upper Shoal River	3	194	1,285	1,849	0	0	1.39	ML	2	114
CNL	5,862	Watermelon Pond	294	491	169	51	0	0	1.38	ML	2	115
LTF	99,544	Coastal Headwaters Longleaf Forest	18	1,030	11,626	11,478	579	26	1.26	ML	2	116
CNL	9,687	Longleaf Pine Ecosystem	63	530	295	54	3	0	0.71	ML	2	117
PRI	3,970	Wakulla Springs Protection Zone	54	49	110	218	47	2	0.64	ML	2	118
CNL	304	Dade County Archipelago	0	0	8	47	34	73	1.25	L	1	119
PRI	1,129	Rainbow River Corridor	0	0	163	89	18	2	1.21	L	1	120
CNL	8,687	Wolfe Creek Forest	0	260	285	868	0	0	0.84	L	1	121
PRI	2,867	Clear Creek/Whiting Field	0	11	167	59	1	0	0.46	L	1	122
CNL	2,214	Eastern Scarp Ranchlands	0	0	6	79	132	175	0.36	L	1	123
CNL	1,717	Ichetucknee Trace	0	1	0	91	93	50	0.35	L	1	124
LTF	83	Millstone Plantation	0	0	3	3	0	0	0.34	L	1	125

Wetlands/Floodplain, continued

SUSTAINABLE FORESTRY Single Resource Score Worksheet

Category	Project Acres Remaining		Project	Resource Acres					Wtd Average PEU Class	Max PEU Score	Final Evaluation		
				Forestry Priority 1	Forestry Priority 2	Forestry Priority 3	Forestry Priority 4	Forestry Priority 5			Group	Group Code*	Sort
LTF	5,598		Adams Ranch	0	0	398	0	0	2.00	0.75	ML	2	108
PRI	8,741		Annutteliga Hammock	49	2,380	276	0	261	2.57	6.96	M	3	61
CNL	48,846		Apalachicola River	174	2,126	3,939	0	593	2.08	7.22	ML	2	74
LTF	4,172		Arbuckle Creek Watershed	0	0	338	0	2,297	2.00	1.13	ML	2	101
CCL	179		Archie Carr Sea Turtle Refuge	0	0	0	0	0	1.00	0.00	L	1	123
PRI	8,193		Atlantic Ridge Ecosystem	0	0	262	0	4,988	2.02	3.05	ML	2	84
LTF	6,018		Ayavalla Plantation	0	0	1,525	0	636	2.00	1.37	ML	2	107
PRI	8,394		Baldwin Bay/St. Marys River	0	71	4,240	0	377	3.00	2.66	M	3	35
CHR	853		Battle of Wahoo Swamp	0	0	0	0	0	1.00	0.00	L	1	111
CNL	97,434		Bear Creek Forest	42,449	39,680	2,152	0	1,619	5.00	7.74	VH	5	2
CNL	4,689		Bear Hammock	2,435	694	138	0	6	3.97	6.58	H	4	14
CNL	6,300		Belle Meade	0	0	1,260	0	533	2.05	5.00	ML	2	78
LTF	41,892		Big Bend Swamp/Holopaw Ranch	0	0	7,283	2,856	8,263	2.00	1.52	ML	2	105
CNL	43,051		Blue Head Ranch	0	0	2,424	0	16,992	2.00	0.68	ML	2	113
LTF	10,996		Bluefield to Cow Creek	0	0	17	0	1,192	2.00	0.12	ML	2	112
CNL	29,263		Bombing Range Ridge	474	6,800	2,684	0	199	2.98	2.53	M	3	48
PRI	21,104		Brevard Coastal Scrub Ecosystem	0	0	2,323	986	4,535	2.00	2.80	ML	2	92
CNL	12,856		Caloosahatchee Ecoscape	0	0	935	0	5,391	1.98	1.00	ML	2	99
CNL	32,283		Camp Blanding to Raiford Greenway	16,586	1,874	1,790	0	1,948	4.91	6.08	VH	5	4
PRI	305		Carr Farm/Price's Scrub	0	0	2	0	0	2.00	0.04	ML	2	114
PRI	3,231		Catfish Creek	0	0	624	0	908	2.19	5.00	ML	2	72
SC	5,902		Charlotte Harbor Estuary	0	3	1,504	0	154	2.30	5.00	ML	2	65
PRI	6,990		Charlotte Harbor Flatwoods	0	3,217	380	0	1,958	3.21	7.33	M	3	29
PRI	2,867		Clear Creek/Whiting Field	0	0	1,884	0	343	2.97	3.57	M	3	50
LTF	99,544		Coastal Headwaters Longleaf Forest	3,806	28,922	44,008	0	813	3.77	7.89	H	4	18
LTF	3,522		Conlin Lake X	0	0	914	443	462	2.44	2.59	ML	2	63
PRI	34,048		Corkscrew Regional Ecosystem Watershed	0	0	4,966	0	5,395	2.06	4.48	ML	2	76
CNL	6,211		Corrigan Ranch	0	0	0	0	0	1.00	0.00	L	1	119
CCL	1,157		Coupon Bight/Key Deer	0	0	0	0	4	1.00	0.02	L	1	90
PRI	2,348		Crayfish Habitat Restoration	277	438	1,340	0	38	3.91	5.71	H	4	15
PRI	12,440		Crossbar/Al Bar Ranch	0	0	6,787	0	2,044	3.00	2.89	M	3	38
PRI	304		Dade County Archipelago	0	0	0	0	50	0.99	1.00	L	1	125
CNL	55,694		Devil's Garden	0	0	316	0	32,015	1.99	0.84	ML	2	100
SC	3,077		Dickerson Bay/Bald Point	348	24	799	0	13	2.91	5.00	M	3	53
LTF	2,214		Eastern Scarp Ranchlands	0	0	0	0	1,814	1.00	0.82	L	1	117
CNL	1,665		Econfina Timberlands	0	0	714	0	8	2.54	2.50	M	3	62
CNL	54,367		Etoniah/Cross Florida Greenway	4,530	9,918	18,817	0	3,006	3.59	8.19	H	4	20
LTF	122,213		Fisheating Creek Ecosystem	4,593	11,875	19,488	0	1,317	2.83	4.00	M	3	51
PRI	3,912		Flagler County Blueway	0	0	390	0	61	1.98	2.07	ML	2	81
PRI	6,040		Florida's First Magnitude Springs	592	422	1,569	0	1,059	3.13	10.00	M	3	30
CCL	5,849		Florida Keys Ecosystem	0	0	0	0	0	1.00	0.00	L	1	121
SC	8,855		Florida Springs Coastal Greenway	0	0	229	0	0	1.45	2.22	L	1	82
CNL	54,862		Forest and Lakes Ecosystem	5,427	28,044	7,096	0	3,100	4.00	5.79	H	4	9
CCL	3,393		Garcon Ecosystem	0	0	1,330	0	175	2.28	2.84	ML	2	68
PRI	160,797		Green Swamp	0	532	18,537	0	39,950	2.00	4.29	ML	2	86
LTF	25,611		Gulf Hammock	0	0	12,994	0	0	3.00	2.54	M	3	44
CNL	11,182		Half Circle L Ranch	0	0	1,658	0	3,480	2.00	1.05	ML	2	116
PRI	7,503		Hall Ranch	4,523	147	251	0	1,239	5.00	6.51	VH	5	1
LTF	1,676		Hardee Flatwoods	0	0	1,046	0	175	3.00	3.23	M	3	45
PRI	13,663		Heather Island/Ocklawaha River	0	3,459	5,127	0	718	3.47	8.00	M	3	23
CNL	22,399		Hixtown Swamp	0	0	6,560	0	2,475	2.00	1.57	ML	2	93
LTF	16,316		Horse Creek Ranch	0	0	4,348	0	8,014	2.00	1.82	ML	2	110
LTF	6,923		Hosford Chapman's Rhododendron Protection Zone	0	1,746	2,356	0	31	2.98	3.74	M	3	47
CNL	1,717		Ichetucknee Trace	0	0	267	0	653	2.17	2.83	ML	2	73
PRI	18,257		Indian River Lagoon Blueway	0	0	730	0	847	1.77	2.18	ML	2	115
LTF	37,930		Kissimmee-St. Johns River Connector	0	0	1,184	0	13,897	2.00	1.39	ML	2	97
PRI	10,253		Lafayette Forest	2,810	1,844	1,028	0	49	3.99	6.68	H	4	12
CNL	3,592		Lake Hatchineha Watershed	0	0	1,233	0	100	2.00	1.79	ML	2	95

SUSTAINABLE FORESTRY SCORING METHOD

Minimum Area Threshold

None

Multiplier Applied to Acres in Preliminary Score Calculation

FORESTRY	Multiplier
Priority 1	10
Priority 2	8
Priority 3	5
Priority 4	3
Priority 5	1

*Note that multipliers are determined by underlying resource data and will be different for different resource types.

Preliminary Score Calculation

((Priority 1 Acres * 10) + (Priority 2 Acres * 8) + (Priority 3 Acres * 5) + (Priority 4 Acres * 3) + (Priority 5 Acres * 1)) / Remaining Acres in Project

SUSTAINABLE FORESTRY GROUP ASSIGNMENT CRITERIA

CLASS CRITERIA	Score	PEU Rem Ac	PEU Full Ac
VERY HIGH	6.0+	500+ac in P1	5,000+
HIGH	4 - 5.99		1,000+
MEDIUM	2 - 3.99		100+
MED LOW	1 - 2.99		10+
	or	<1.00	>0 in P1-4 comb.
LOW		remaining PEUs	

PEUs classes for each project are averaged, weighted by PEU acres.
If average PEU class is:
Very High: 4.5+
High: 3.5 - 4.49
Medium: 2.5 - 3.49
Medium-Low: 1.5 - 2.49
Low: <1.5

* Group Code corresponds to value on Comparative Analysis table

Sort Criteria

By Group, then by Average PEU Class, then by Max PEU Score

For a more complete description of methods see Single Resource

Category	Project Acres Remaining		Resource Acres					Wtd Average PEU Class	Max PEU Score	Final Evaluation		
			Forestry Priority 1	Forestry Priority 2	Forestry Priority 3	Forestry Priority 4	Forestry Priority 5			Group	Group Code*	Sort
PRI	9,619	Lake Santa Fe	0	0	5,702	0	407	2.84	4.61	M	3	56
CNL	29,567	Lake Wales Ridge Ecosystem	235	29	7,108	0	5,781	2.30	7.00	ML	2	67
LTF	6,382	Limestone Ranch	0	0	1,763	0	2,581	2.00	1.79	ML	2	94
LTF	2,085	Little River Conservation Area	0	0	1,004	0	73	3.00	2.44	M	3	33
PRI	4,693	Lochloosa Forest	0	0	3,808	0	3	4.00	4.06	H	4	8
SC	4,446	Lochloosa Wildlife	0	58	562	0	564	2.05	3.83	ML	2	77
CNL	9,687	Longleaf Pine Ecosystem	0	66	7,058	0	591	3.68	7.90	H	4	19
LTF	2,338	Lower Perdido River Buffer	0	0	1,751	0	14	3.00	3.75	M	3	37
LTF	30,705	Lower Suwannee River and Gulf Watershed	7,568	1,772	5,138	0	75	3.56	6.93	H	4	21
LTF	99,032	Matanzas to Ocala Conservation Corridor	0	25,426	30,961	0	1,835	3.00	3.64	M	3	40
LTF	5,021	Maytown Flatwoods	0	2,077	989	0	8	4.00	4.47	H	4	6
PRI	12,304	Middle Chipola River	257	538	4,201	0	574	2.79	5.00	M	3	58
LTF	12,293	Mill Creek	0	222	5,166	0	1,832	3.00	2.39	M	3	36
LTF	83	Millstone Plantation	0	0	5	0	23	2.03	0.56	ML	2	83
LTF	30,573	Myakka Ranchlands	0	0	4,606	0	10,391	1.99	2.50	ML	2	87
CNL	1,967	Natural Bridge Creek	0	1,489	46	0	57	4.00	6.20	H	4	10
LTF	14,153	North Waccasassa Flats	0	3,883	2,223	0	996	3.00	3.05	M	3	41
CCL	11,920	Northeast Florida Blueway	0	0	2,054	0	226	2.22	5.00	ML	2	69
PRI	76,427	Northeast Florida Timberlands and Watershed Reserve	4,704	12,798	23,167	0	11,343	3.44	8.00	M	3	24
LTF	3,881	Ochlockonee River Conservation Area	0	0	1,134	0	301	2.00	1.86	ML	2	96
LTF	1,264	Old Town Creek Watershed	0	0	724	0	107	3.31	4.11	M	3	26
CNL	27,503	Osceola Pine Savannas	0	0	6,073	1,013	8,764	2.08	3.32	ML	2	75
PRI	9,564	Pal-Mar	0	0	2,978	0	1,091	2.20	4.43	ML	2	71
CNL	39,382	Panther Glades	0	0	2,722	0	8,200	2.00	1.00	ML	2	102
LTF	3,804	Peace River Refuge	0	0	244	0	24	2.00	0.33	ML	2	91
CNL	2,389	Perdido Pitcher Plant Prairie	0	0	1,590	0	188	3.03	5.00	M	3	31
CHR	562	Pierce Mound Complex	0	0	45	0	19	2.00	0.44	ML	2	89
CNL	48,973	Pine Island Slough Ecosystem	0	0	4,589	0	620	2.00	0.48	ML	2	104
CHR	148	Pineland Site Complex	0	0	0	0	0	1.01	0.00	L	1	85
CNL	53,601	Pinhook Swamp	19,338	10,018	3,425	0	857	3.97	10.00	H	4	13
PRI	8,446	Pringle Creek Forest	0	2,685	2,137	0	18	3.00	3.81	M	3	42
PRI	12,344	Pumpkin Hill Creek	0	0	3,501	0	389	2.31	5.00	ML	2	66
LTF	67,702	Raiford to Osceola Greenway	36,515	7,271	1,384	0	2,370	5.00	6.39	VH	5	3
PRI	1,129	Rainbow River Corridor	0	0	156	0	236	1.96	1.99	ML	2	122
LTF	12,515	Ranch Reserve	0	0	903	0	7,391	2.00	4.18	ML	2	88
LTF	16,951	Red Hills Conservation	0	6,856	867	0	1,761	3.37	5.08	M	3	25
LTF	376	San Felasco Conservation Corridor	0	125	137	0	2	2.78	5.06	M	3	54
CNL	44,999	San Pedro Bay	6,661	10,319	5,665	0	26	3.85	7.00	H	4	17
PRI	14,534	Sand Mountain	4,378	1,829	2,983	0	910	3.88	9.98	H	4	16
SC	24	Save Our Everglades	0	0	2	0	4	1.81	1.67	ML	2	80
LTF	2,826	Seven Runs Creek Final Phase	0	807	640	0	81	2.76	7.58	M	3	59
CNL	2,188	Shoal River Buffer	483	149	597	0	0	3.99	4.13	H	4	11
CNL	11,706	South Goethe	4,105	424	1,429	0	2,349	3.52	5.93	H	4	22
SC	2,657	South Walton County Ecosystem	0	281	810	0	294	2.91	7.48	M	3	52
CNL	598	Southeastern Bat Maternity Caves	0	0	147	0	1	1.83	3.85	ML	2	124
SC	367	Spruce Creek	0	0	206	0	3	2.70	3.44	M	3	57
CCL	76,550	St. Joe Timberland	673	17,304	21,303	0	1,301	3.00	7.86	M	3	32
CCL	17,070	St. Johns River Blueway	0	844	4,768	0	2,599	2.39	3.04	ML	2	64
CNL	11,572	Strategic Managed Area Lands List	67	55	1,939	0	903	1.98	7.33	ML	2	70
LTF	1,254	Suwannee County Preservation	0	0	889	0	0	3.00	3.57	M	3	43
CCL	3,742	Taylor Sweetwater Creek	0	644	149	0	1	2.00	7.11	ML	2	118
CNL	12,428	Telogia Creek	0	0	8,274	0	10	3.00	3.33	M	3	39
CCL	2,292	Terra Ceia	0	0	0	0	179	1.00	0.48	L	1	106
CCL	1,142	Tiger Island/Little Tiger Island	0	0	0	0	0	1.00	0.00	L	1	103
CNL	5,336	Triple Diamond	0	0	0	0	0	1.00	0.00	L	1	98
CNL	8,128	Twelvemile Slough	0	0	155	0	4,131	2.00	0.68	ML	2	109
CNL	12,035	Upper Shoal River	0	6,837	2,866	0	735	4.00	6.11	H	4	7
PRI	17,832	Volusia Conservation Corridor	0	1,649	4,715	0	2,774	2.58	5.61	M	3	60
CNL	14,908	Wacissa/Aucilla River Sinks	461	1,688	5,499	0	0	3.11	8.00	M	3	27
PRI	3,970	Wakulla Springs Protection Zone	555	1,004	379	0	588	3.21	5.93	M	3	28

Sustainable Forestry, continued

Category	Project Acres Remaining		Project	Resource Acres					Wtd Average PEU Class	Max PEU Score	Final Evaluation		
				Forestry Priority 1	Forestry Priority 2	Forestry Priority 3	Forestry Priority 4	Forestry Priority 5			Group	Group Code*	Sort
PRI	5,862		Watermelon Pond	0	0	3,051	0	846	2.89	4.69	M	3	55
CNL	22,268		Wekiva-Ocala Greenway	0	0	2,598	0	2,622	2.03	5.00	ML	2	79
PRI	8,321		Welannee Watershed Forest	0	293	3,865	0	277	3.00	3.44	M	3	34
LTF	710		West Aucilla River Buffer	0	0	399	0	60	3.00	3.11	M	3	46
CCL	4,511		West Bay Preservation Area	129	40	2,559	0	162	2.98	4.99	M	3	49
LTF	3,286		Withlacoochee River Corridor	0	0	23	0	406	1.82	0.19	ML	2	120
CNL	8,687		Wolfe Creek Forest	104	6,749	470	0	18	4.00	6.61	H	4	5

LANDSCAPES Single Resource Score Worksheet

Category	Project Acres Remaining	Project Name	Project makes P1 Critical Linkage connection	Percent of remaining project in P1 Critical Linkage	Acres of Remaining Project in P1 Critical Linkage	Remaining acres in Grnwy Pr 2 or 3	Percent of project in Grnwy Pr 2 or 3	Remaining acres in Grnwy Pr 1-5	Large Land-scapes Score	Group	Group Code*	Sort
LTF	67,702	Raiford to Osceola Greenway	YES	100%	67,630	67,630	100%	67,630	H	VH	5	1
CNL	39,382	Panther Glades	YES	100%	39,349	36,111	100%	39,349	M	VH	5	2
CNL	8,128	Twelvemile Slough	YES	100%	8,097	5,674	100%	8,097	M	VH	5	3
CNL	55,694	Devil's Garden	YES	100%	55,478	48,775	100%	55,478	M	VH	5	4
LTF	12,515	Ranch Reserve	YES	100%	12,463	8,181	100%	12,463	ML	VH	5	5
CNL	29,263	Bombing Range Ridge	YES	97%	28,307	28,290	100%	28,307	M	VH	5	6
CNL	32,283	Camp Blanding to Raiford Greenway	YES	96%	30,875	29,937	96%	30,875	M	VH	5	7
CNL	27,503	Osceola Pine Savannas	YES	94%	25,792	20,391	100%	25,792	M	VH	5	8
LTF	122,213	Fisheating Creek Ecosystem	YES	93%	113,618	41,363	100%	113,618	M	VH	5	9
CNL	43,051	Blue Head Ranch	YES	92%	39,725	39,725	92%	39,725	VH	VH	5	10
LTF	41,892	Big Bend Swamp/Holopaw Ranch	YES	90%	37,665	25,203	100%	37,665	M	VH	5	11
CNL	12,856	Caloosahatchee Ecoscape	YES	84%	10,780	8,545	100%	10,780	ML	VH	5	12
LTF	37,930	Kissimmee-St. Johns River Connector	YES	78%	29,608	20,528	100%	29,608	M	VH	5	13
PRI	34,048	Corkscrew Regional Ecosystem Watershed	YES	78%	26,412	25,951	100%	26,412	M	VH	5	14
CNL	53,601	Pinhook Swamp	YES	73%	39,508	39,391	100%	39,508	M	VH	5	15
CNL	54,367	Etoniah/Cross Florida Greenway	YES	71%	38,709	33,171	100%	38,709	M	VH	5	16
PRI	17,832	Volusia Conservation Corridor	YES	67%	12,026	5,772	100%	12,026	ML	VH	5	17
CNL	29,567	Lake Wales Ridge Ecosystem	YES	46%	13,690	7,170	100%	13,690	ML	VH	5	18
CCL	76,550	St. Joe Timberland	YES	41%	31,500	40,948	100%	40,948	H	VH	5	19
PRI	76,427	Northeast Florida Timberlands and Watershed Reserve	YES	27%	20,954	15,388	100%	38,817	VH	VH	5	20
LTF	99,544	Coastal Headwaters Longleaf Forest	no	38%	37,462	19,820	100%	37,462	VH	VH	5	21
LTF	99,032	Matanzas to Ocala Conservation Corridor		0%	0	70,173	71%	70,173	VH	VH	5	22
CNL	97,434	Bear Creek Forest	no	56%	54,990	54,990	56%	54,990	VH	VH	5	23
CNL	6,211	Corrigan Ranch	no	100%	6,197	6,197	100%	6,197	ML	H	4	24
LTF	5,021	Maytown Flatwoods	no	100%	5,021	5,018	100%	5,021	ML	H	4	25
CCL	3,742	Taylor Sweetwater Creek	no	100%	3,738	3,718	100%	3,738	L	H	4	26
LTF	5,598	Adams Ranch	no	99%	5,520	5,498	100%	5,520	ML	H	4	27
LTF	25,611	Gulf Hammock	no	100%	25,584	25,584	100%	25,584	M	H	4	28
LTF	30,705	Lower Suwannee River and Gulf Watershed	no	95%	29,089	12,844	100%	29,089	M	H	4	29
PRI	2,867	Clear Creek/Whiting Field	no	93%	2,680	2,099	100%	2,680	L	H	4	30
CNL	44,999	San Pedro Bay	no	93%	41,745	41,641	100%	41,745	M	H	4	31
PRI	3,970	Wakulla Springs Protection Zone	no	84%	3,328	2,271	100%	3,328	L	H	4	32
PRI	14,534	Sand Mountain	no	78%	11,403	3,605	100%	11,403	M	H	4	33
CCL	8,855	Florida Springs Coastal Greenway	no	73%	6,457	2,049	100%	6,457	ML	H	4	34
CNL	14,908	Wacissa/Aucilla River Sinks	no	62%	9,259	5,252	100%	9,259	ML	H	4	35
PRI	8,741	Annutteliga Hammock	no	59%	5,211	3,007	100%	5,211	ML	H	4	36
PRI	6,040	Florida's First Magnitude Springs	no	35%	2,131	2,015	100%	2,131	M	H	4	37
CNL	11,182	Half Circle L Ranch	no	99%	11,099	11,099	99%	11,099	H	H	4	38
CNL	9,687	Longleaf Pine Ecosystem	no	29%	2,776	2,776	100%	3,506	L	H	4	39
CNL	11,706	South Goethe	no	50%	5,844	5,844	95%	5,844	ML	H	4	40
CNL	54,862	Forest and Lakes Ecosystem	no	67%	36,676	36,676	100%	36,676	H	H	4	41
CNL	48,973	Pine Island Slough Ecosystem	no	64%	31,348	31,348	64%	31,348	M	H	4	42
PRI	160,797	Green Swamp		0%	0	143,163	100%	143,163	H	H	4	43
LTF	12,293	Mill Creek		0%	0	12,289	100%	12,289	H	H	4	44
PRI	8,446	Pringle Creek Forest		0%	0	8,428	100%	8,428	H	H	4	45
PRI	8,394	Baldwin Bay/St. Marys River		0%	0	0	0%	8,356	H	H	4	46
CNL	48,846	Apalachicola River		11%	5,226	25,053	100%	25,053	M	M	3	47
CNL	22,268	Wekiva-Ocala Greenway		10%	2,188	15,217	100%	15,217	M	M	3	48
PRI	10,253	Lafayette Forest		0%	0	9,542	100%	9,542	M	M	3	49
LTF	30,573	Myakka Ranchlands		0%	0	8,711	100%	13,259	M	M	3	50
PRI	8,321	Welannee Watershed Forest		0%	0	7,065	100%	7,065	ML	M	3	51
PRI	9,564	Pal-Mar		0%	0	6,496	100%	6,496	ML	M	3	52
PRI	13,663	Heather Island/Ocklawaha River		0%	29	4,766	100%	8,196	L	M	3	53
PRI	9,619	Lake Santa Fe		0%	0	3,511	100%	3,511	L	M	3	54
SC	4,446	Lochloosa Wildlife		0%	0	3,306	100%	3,306	ML	M	3	55
LTF	3,286	Withlacoochee River Corridor		0%	0	2,666	100%	2,666	L	M	3	56
PRI	3,231	Catfish Creek		1%	24	2,444	100%	2,444	L	M	3	57
PRI	6,990	Charlotte Harbor Flatwoods		0%	0	2,031	100%	2,031	L	M	3	58
SC	2,657	South Walton County Ecosystem		0%	0	1,861	100%	1,861	L	M	3	59
SC	5,902	Charlotte Harbor Estuary		0%	0	1,848	100%	1,848	L	M	3	60

LANDSCAPES GROUP ASSIGNMENT CRITERIA

NOTE: Because completing corridor connections is a priority for landscapes, this measure does not use the standard weighted scoring method used for most other Single Resource Scores. Instead, the criteria outlined below are used to assign projects to Groups, so there is no numerical score for Landscapes.

VERY HIGH

I. Remaining FFBOT Project area makes a connection via a Priority 1 "Critical Linkage" between 2+ Core Conservation Areas

Core Conservation Area (CCA) = 10,000+ acres of contiguous FLMA polygons.

Connection = CCAs are not otherwise connected; single connection via multiple FFBOT Projects counts for all projects, if no one project makes connection alone.

Connection of same two CCAs by multiple projects, with each project alone making a connection, counts for all projects.

AND EITHER:

II. A. 50% AND 2,000 acres of the remaining FF project overlaps with the Critical Linkage 1

OR

B. 33% AND 10,000 acres of the remaining FF project overlaps with the Critical Linkage 1

OR

III. Project scores VERY HIGH for Large Landscapes

Note that connections were only evaluated for projects that met criteria II above.

HIGH

I. 25% AND 2,000 acres of the remaining FF project overlap with a Critical Linkage 1

OR

II. 25,000 acres of the remaining FF project overlap with a Critical Linkage 1

OR

III. Project scores HIGH for Large Landscapes

MEDIUM

I. 25% AND 2,000 acres of the remaining FF project overlap with a Greenway Priority 2-3

OR

II. Project scores MEDIUM for Large Landscapes

MEDIUM LOW

I. 500+ acres of remaining FFProject boundary overlap with Greenways Priority 1-5

OR

II. Project scores MEDIUM-LOW for Large Landscapes

LOW

Did not meet any of the above criteria.

*** Group Code corresponds to value on Comparative Analysis table**

Sort Criteria

By group, then by shaded columns.

For a more complete description of methods see Single Resource Evaluation Documentation at

Category	Project Acres Remaining	Project Name	Project makes P1 Critical Linkage connection	Percent of remaining project in P1 Critical Linkage	Acres of Remaining Project in P1 Critical Linkage	Remaining acres in Grnwly Pr 2 or 3	Percent of project in Grnwly Pr 2 or 3	Remaining acres in Grnwly Pr 1-5	Large Land-scapes Score	Group	Group Code*	Sort
PRI	21,104	Brevard Coastal Scrub Ecosystem		19%	4,050	1,720	100%	9,896	ML	M	3	61
CCL	3,077	Dickerson Bay/Bald Point		61%	1,885	1,688	100%	1,885	L	M	3	62
LTF	3,881	Ochlockonee River Conservation Area		0%	0	1,681	100%	1,681	L	M	3	63
LTF	3,522	Conlin Lake X		99%	3,476	1,544	100%	3,476	L	M	3	64
CNL	11,572	Strategic Managed Area Lands List		30%	3,472	1,128	100%	3,650	ML	M	3	65
PRI	4,693	Lochloosa Forest		0%	0	4,688	100%	4,688	L	M	3	66
CNL	3,592	Lake Hatchineha Watershed		0%	0	2,357	100%	2,357	L	M	3	67
CNL	4,689	Bear Hammock		0%	11	4,532	99%	4,532	L	M	3	68
PRI	8,193	Atlantic Ridge Ecosystem		0%	0	6,724	99%	6,724	ML	M	3	69
LTF	3,804	Peace River Refuge		0%	0	3,777	99%	3,777	L	M	3	70
PRI	18,257	Indian River Lagoon Blueway		0%	0	12,832	99%	12,832	M	M	3	71
CNL	6,300	Belle Meade		1%	94	2,539	99%	3,199	L	M	3	72
PRI	7,503	Hall Ranch		0%	0	7,421	99%	7,421	ML	M	3	73
LTF	16,951	Red Hills Conservation		0%	0	5,618	98%	5,618	ML	M	3	74
LTF	1,676	Hardee Flatwoods		92%	1,546	1,546	92%	1,546	L	M	3	75
LTF	10,996	Bluefield to Cow Creek		0%	0	8,331	76%	8,331	M	M	3	76
LTF	6,382	Limestone Ranch		0%	0	4,725	74%	4,725	L	M	3	77
LTF	2,214	Eastern Scarp Ranchlands		57%	1,268	1,268	57%	1,268	L	M	3	78
LTF	16,316	Horse Creek Ranch		0%	0	7,190	44%	9,099	ML	M	3	79
CNL	22,399	Hixtown Swamp		0%	0	0	0%	22,296	M	M	3	80
PRI	12,344	Pumpkin Hill Creek		0%	0	0	0%	11,474	M	M	3	81
CCL	11,920	Northeast Florida Blueway		0%	0	599	100%	8,426	M	M	3	82
CCL	17,070	St. Johns River Blueway		0%	0	0	0%	16,540	ML	ML	2	83
LTF	14,153	North Waccasassa Flats		0%	0	0	0%	14,148	ML	ML	2	84
CNL	12,428	Telogia Creek		0%	0	0	0%	12,429	ML	ML	2	85
PRI	12,440	Crossbar/Al Bar Ranch		0%	0	0	0%	12,420	ML	ML	2	86
PRI	12,304	Middle Chipola River		0%	0	55	1%	12,175	ML	ML	2	87
CNL	12,035	Upper Shoal River		0%	0	0	0%	9,776	L	ML	2	88
CNL	8,687	Wolfe Creek Forest		12%	1,021	1,021	12%	7,219	ML	ML	2	89
PRI	5,862	Watermelon Pond		0%	0	0	0%	5,597	L	ML	2	90
LTF	6,923	Hosford Chapman's Rhododendron Protection Zone		0%	3	1,355	20%	5,528	ML	ML	2	91
CNL	5,336	Triple Diamond		0%	0	0	0%	5,336	ML	ML	2	92
LTF	6,018	Ayavalla Plantation		0%	0	1,031	17%	4,983	ML	ML	2	93
CCL	4,511	West Bay Preservation Area		0%	0	0	0%	4,467	L	ML	2	94
LTF	4,172	Arbuckle Creek Watershed		0%	2	2	0%	4,171	L	ML	2	95
PRI	3,912	Flagler County Blueway		0%	0	186	100%	3,496	ML	ML	2	96
LTF	2,338	Lower Perdido River Buffer		0%	0	0	0%	2,321	L	ML	2	97
LTF	2,826	Seven Runs Creek Final Phase		80%	2,261	729	100%	2,261	L	ML	2	98
CNL	2,389	Perdido Pitcher Plant Prairie		0%	0	0	0%	2,254	L	ML	2	99
CNL	2,188	Shoal River Buffer		0%	1	1	0%	2,179	L	ML	2	100
PRI	2,348	Crayfish Habitat Restoration		0%	0	0	0%	2,099	L	ML	2	101
LTF	2,085	Little River Conservation Area		0%	0	0	0%	2,086	L	ML	2	102
LTF	1,264	Old Town Creek Watershed		95%	1,200	630	100%	1,200	L	ML	2	103
CCL	1,142	Tiger Island/Little Tiger Island		0%	0	0	0%	1,101	L	ML	2	104
CNL	1,665	Econfina Timberlands		0%	0	906	100%	906	L	ML	2	105
CHR	853	Battle of Wahoo Swamp		0%	0	851	100%	851	L	ML	2	106
CNL	1,717	Ichetucknee Trace		0%	0	0	0%	814	L	ML	2	107
PRI	1,129	Rainbow River Corridor		0%	0	351	83%	718	L	ML	2	108
CHR	562	Pierce Mound Complex		0%	0	0	0%	560	L	ML	2	109
CCL	5,849	Florida Keys Ecosystem		0%	0	0	0%	513	L	ML	2	110
LTF	710	West Aucilla River Buffer		0%	0	468	100%	468	L	L	1	111
PRI	305	Carr Farm/Price's Scrub		0%	0	0	0%	303	L	L	1	112
SC	367	Spruce Creek		0%	0	0	0%	279	L	L	1	113
CNL	598	Southeastern Bat Maternity Caves		0%	0	168	100%	262	L	L	1	114
LTF	1,254	Suwannee County Preservation		12%	145	145	100%	145	L	L	1	115
CCL	2,292	Terra Ceia		0%	0	0	0%	100	L	L	1	116
PRI	304	Dade County Archipelago		0%	0	0	0%	68	L	L	1	117
LTF	376	San Felasco Conservation Corridor		0%	0	0	0%	15	L	L	1	118
SC	24	Save Our Everglades		47%	11	8	100%	13	L	L	1	119
CCL	3,393	Garcon Ecosystem		0%	0	0	0%	0	L	L	1	120
CNL	1,967	Natural Bridge Creek		0%	0	0	0%	0	L	L	1	121

Landscapes, continued

Category	Project Acres Remaining	Project Name	Project makes P1 Critical Linkage connection	Percent of remaining project in P1 Critical Linkage	Acres of Remaining Project in P1 Critical Linkage	Remaining acres in Grnwy Pr 2 or 3	Percent of project in Grnwy Pr 2 or 3	Remaining acres in Grnwy Pr 1-5	Large Land-scapes Score	Group	Group Code*	Sort
CCL	1,157	Coupon Bight/Key Deer		0%	0	0	0%	0	L	L	1	122
CCL	179	Archie Carr Sea Turtle Refuge		0%	0	0	0%	0	L	L	1	123
CHR	148	Pineland Site Complex		0%	0	0	0%	0	L	L	1	124
LTF	83	Millstone Plantation		0%	0	0	0%	0	L	L	1	125

AQUIFER RECHARGE Single Resource Score Worksheet

			Resource Acres						Preliminary Score	Final Evaluation		
Category	Project Acres Remaining	Project	Recharge Priority 1	Recharge Priority 2	Recharge Priority 3	Recharge Priority 4	Recharge Priority 5	Recharge Priority 6		Group	Group Code*	Sort
PRI	5,862	Watermelon Pond	2,219	3,623	27	0	0	0	8.76	VH	5	1
CNL	9,687	Longleaf Pine Ecosystem	4,634	3,690	1,263	88	0	0	8.65	VH	5	2
PRI	12,440	Crossbar/Al Bar Ranch	3,078	6,018	3,223	22	100	0	7.92	VH	5	3
CNL	4,689	Bear Hammock	1,510	1,487	1,657	20	0	0	7.89	VH	5	4
PRI	8,741	Annutteliga Hammock	2,926	808	3,509	1,216	281	0	7.12	VH	5	5
PRI	1,129	Rainbow River Corridor	697	129	276	11	0	0	8.59	H	4	6
CNL	1,717	Ichetucknee Trace	455	553	533	177	0	0	7.51	H	4	7
PRI	3,970	Wakulla Springs Protection Zone	598	1,542	1,298	199	332	0	6.94	H	4	8
PRI	6,040	Florida's First Magnitude Springs	422	2,679	1,506	808	478	0	6.44	H	4	9
CNL	11,706	South Goethe	1,638	5,448	2,527	13	9	0	6.42	H	4	10
PRI	10,253	Lafayette Forest	334	1,926	6,882	930	182	0	6.25	H	4	11
LTF	14,153	North Waccasassa Flats	285	4,225	6,536	3,107	0	0	6.24	H	4	12
LTF	3,286	Withlacoochee River Corridor	269	706	1,121	1,054	126	0	5.94	H	4	13
PRI	160,797	Green Swamp	9,395	35,580	65,885	39,802	8,669	0	5.91	H	4	14
LTF	6,923	Hosford Chapman's Rhododendron Protection Zone	135	977	4,180	1,495	68	0	5.83	H	4	15
CHR	853	Battle of Wahoo Swamp	1	325	521	6	0	0	6.75	M	3	16
LTF	1,254	Suwannee County Preservation	29	374	781	70	0	0	6.57	M	3	17
LTF	83	Millstone Plantation	0	12	60	8	4	0	6.00	M	3	18
SC	24	Save Our Everglades	0	0	14	10	0	0	5.24	M	3	19
CNL	1,665	Econfina Timberlands	0	16	990	586	73	0	5.14	M	3	20
PRI	3,231	Catfish Creek	2	179	1,537	1,375	139	0	5.09	M	3	21
PRI	305	Carr Farm/Price's Scrub	0	41	131	82	51	0	5.06	M	3	22
SC	4,446	Lochloosa Wildlife	43	186	2,411	1,297	370	0	5.02	M	3	23
PRI	14,534	Sand Mountain	0	2,324	5,144	4,428	2,636	0	4.98	M	3	24
CNL	54,862	Forest and Lakes Ecosystem	432	7,598	20,559	17,214	7,415	3	4.96	M	3	25
SC	367	Spruce Creek	0	68	96	166	7	6	4.92	M	3	26
CNL	22,268	Wekiva-Ocala Greenway	4,891	4,806	2,907	945	105	0	4.89	M	3	27
CNL	22,399	Hixtown Swamp	0	1,210	9,269	8,084	3,844	0	4.70	M	3	28
CNL	598	Southeastern Bat Maternity Caves	64	36	179	89	196	0	4.60	M	3	29
CNL	29,567	Lake Wales Ridge Ecosystem	58	2,791	8,578	12,486	5,448	173	4.58	M	3	30
CNL	44,999	San Pedro Bay	0	1,712	18,146	15,750	9,377	0	4.54	M	3	31
LTF	710	West Aucilla River Buffer	0	30	345	118	216	0	4.53	M	3	32
LTF	12,293	Mill Creek	173	498	3,788	5,472	2,364	0	4.48	M	3	33
LTF	376	San Felasco Conservation Corridor	1	18	110	177	71	0	4.43	M	3	34
LTF	4,172	Arbuckle Creek Watershed	0	27	1,152	2,494	496	4	4.34	M	3	35
LTF	16,316	Horse Creek Ranch	0	511	4,503	8,547	2,631	121	4.33	M	3	36
PRI	4,693	Lochloosa Forest	0	13	1,594	2,100	983	0	4.27	M	3	37
LTF	12,515	Ranch Reserve	0	675	2,003	8,122	1,616	104	4.25	M	3	38
CNL	27,503	Osceola Pine Savannas	0	426	9,794	11,148	3,503	2,630	4.23	M	3	39
LTF	6,382	Limestone Ranch	0	124	1,376	3,996	822	67	4.22	M	3	40
LTF	67,702	Raiford to Osceola Greenway	222	67	20,969	30,758	14,405	1,219	4.16	M	3	41
PRI	9,619	Lake Santa Fe	28	258	3,093	2,760	3,361	1	4.02	M	3	42
LTF	37,930	Kissimmee-St. Johns River Connector	0	70	10,569	16,602	7,237	3,456	3.91	M	3	43
LTF	2,214	Eastern Scarp Ranchlands	0	48	567	901	546	152	3.90	M	3	44
PRI	17,832	Volusia Conservation Corridor	172	672	5,417	4,759	3,815	2,957	3.88	M	3	45
LTF	3,522	Conlin Lake X	0	169	669	1,535	1,008	137	3.88	M	3	46
LTF	122,213	Fisheating Creek Ecosystem	0	299	36,230	45,427	31,843	8,417	3.88	M	3	47
LTF	30,705	Lower Suwannee River and Gulf Watershed	431	5,115	8,287	5,032	1,356	489	3.85	M	3	48
PRI	3,912	Flagler County Blueway	0	552	768	880	876	445	3.77	M	3	49
LTF	5,598	Adams Ranch	0	154	730	3,079	1,402	234	3.74	M	3	50
LTF	1,264	Old Town Creek Watershed	0	0	147	801	318	0	3.74	M	3	51
CNL	43,051	Blue Head Ranch	0	17	8,998	19,306	12,924	1,790	3.69	M	3	52
CNL	6,211	Corrigan Ranch	0	0	1,236	2,807	1,419	735	3.58	M	3	53
PRI	6,990	Charlotte Harbor Flatwoods	0	19	1,329	2,527	2,828	287	3.46	M	3	54
SC	2,657	South Walton County Ecosystem	1	94	422	974	886	228	3.46	M	3	55
CNL	29,263	Bombing Range Ridge	0	350	4,998	11,119	9,889	2,897	3.42	M	3	56
LTF	30,573	Myakka Ranchlands	0	409	3,411	14,866	7,825	4,057	3.37	M	3	57
CNL	54,367	Etoniah/Cross Florida Greenway	817	2,497	7,670	14,986	18,201	10,111	3.32	M	3	58
LTF	2,826	Seven Runs Creek Final Phase	20	122	440	776	1,119	205	3.31	M	3	59

AQUIFER RECHARGE SCORING METHOD

Minimum Area Threshold

None

Multiplier Applied to Acres in Preliminary Score Calculation

RECHARGE	Multiplier
Priority 1	10
Priority 2	8
Priority 3	6
Priority 4	4
Priority 5	2
Priority 6	1

Note that multipliers are determined by underlying resource data and will be different for different resource types.

Preliminary Score Calculation

((Priority 1 Acres * 10) + (Priority 2 Acres * 8) + (Priority 3 Acres * 6) + (Priority 4 Acres * 4) + (Priority 5 Acres * 2) + (Priority 6 Acres * 1)) / Remaining Acres in Project

AQUIFER RECHARGE GROUP ASSIGNMENT CRITERIA

If score is:	
Very High:	7.00 - 10 and 1000+ acres in Priority 1
High:	5.00 - 6.99 and 500+ acres in Priorities 1-2 combined
Medium:	3.00 - 4.99
Medium-Low:	2.00 - 2.99, OR <2.0 and 500+ acres in Priorities 1 - 2
Low:	<2.00 and <500 acres in Priorities 1-2

* Group Code corresponds to value on Comparative Analysis table

Sort Criteria

By Group then by Preliminary Score

For a more complete description of methods see Single Resource Evaluation Documentation at

			Resource Acres						Preliminary Score	Final Evaluation		
Category	Project Acres Remaining	Project	Recharge Priority 1	Recharge Priority 2	Recharge Priority 3	Recharge Priority 4	Recharge Priority 5	Recharge Priority 6		Group	Group Code*	Sort
LTF	16,951	Red Hills Conservation	42	107	3,045	4,414	9,273	13	3.29	M	3	60
PRI	304	Dade County Archipelago	0	22	30	95	106	48	3.28	M	3	61
CCL	3,742	Taylor Sweetwater Creek	394	534	553	115	128	7	3.28	M	3	62
LTF	10,996	Bluefield to Cow Creek	0	134	1,335	4,522	3,774	1,229	3.27	M	3	63
CNL	48,973	Pine Island Slough Ecosystem	0	2,204	2,974	22,336	12,299	9,159	3.24	M	3	64
PRI	9,564	Pal-Mar	0	0	549	5,253	2,699	1,059	3.22	M	3	65
PRI	21,104	Brevard Coastal Scrub Ecosystem	252	1,304	1,846	7,117	4,339	6,237	3.19	M	3	66
LTF	1,676	Hardee Flatwoods	0	18	110	607	937	2	3.05	M	3	67
CNL	53,601	Pinhook Swamp	0	48	909	28,193	19,475	4,820	3.03	M	3	68
CNL	5,336	Triple Diamond	0	0	727	1,573	2,427	610	3.02	M	3	69
LTF	6,018	Ayavalla Plantation	0	204	930	705	4,071	0	3.02	M	3	70
PRI	8,193	Atlantic Ridge Ecosystem	0	39	309	3,500	3,675	668	2.95	ML	2	71
CCL	4,511	West Bay Preservation Area	0	4	415	1,859	1,496	293	2.94	ML	2	72
CNL	97,434	Bear Creek Forest	67	1,014	10,950	24,728	49,225	11,011	2.90	ML	2	73
CNL	14,908	Wacissa/Aucilla River Sinks	104	328	3,800	2,130	4,046	33	2.89	ML	2	74
CNL	11,572	Strategic Managed Area Lands List	347	587	2,078	1,317	1,340	4,580	2.87	ML	2	75
LTF	5,021	Maytown Flatwoods	0	61	361	1,815	1,649	1,039	2.84	ML	2	76
LTF	3,881	Ochlockonee River Conservation Area	0	30	346	791	2,532	163	2.76	ML	2	77
PRI	8,446	Pringle Creek Forest	0	83	434	2,909	3,166	1,853	2.73	ML	2	78
CNL	1,967	Natural Bridge Creek	0	0	372	356	839	0	2.71	ML	2	79
PRI	13,663	Heather Island/Ocklawaha River	59	329	933	1,707	10,628	0	2.70	ML	2	80
CCL	17,070	St. Johns River Blueway	0	1	1,541	4,718	6,283	4,524	2.65	ML	2	81
PRI	18,257	Indian River Lagoon Blueway	0	879	1,596	3,641	5,620	5,141	2.60	ML	2	82
CNL	2,389	Perdido Pitcher Plant Prairie	0	1	76	778	1,110	395	2.59	ML	2	83
CNL	39,382	Panther Glades	0	0	4,033	11,051	8,410	15,888	2.57	ML	2	84
PRI	12,304	Middle Chipola River	0	508	2,294	1,116	4,524	18	2.55	ML	2	85
LTF	41,892	Big Bend Swamp/Holopaw Ranch	0	1,041	1,989	9,582	12,302	16,940	2.39	ML	2	86
PRI	34,048	Corkscrew Regional Ecosystem Watershed	0	1	1,663	9,076	9,336	13,953	2.32	ML	2	87
CNL	12,856	Caloosahatchee Ecoscape	0	0	718	3,254	3,165	5,720	2.28	ML	2	88
CNL	11,182	Half Circle L Ranch	0	0	390	2,746	2,763	5,277	2.16	ML	2	89
CNL	3,592	Lake Hatchineha Watershed	0	45	282	599	404	2,263	2.09	ML	2	90
CNL	12,428	Telogia Creek	0	0	284	2,441	4,823	4,881	2.09	ML	2	91
LTF	3,804	Peace River Refuge	0	13	150	263	2,720	399	2.07	ML	2	92
PRI	2,348	Crayfish Habitat Restoration	0	0	0	169	2,009	167	2.07	ML	2	93
LTF	99,032	Matanzas to Ocala Conservation Corridor	0	528	4,352	17,926	25,957	49,554	2.05	ML	2	94
LTF	2,085	Little River Conservation Area	0	0	0	0	2,086	0	2.00	ML	2	95
CNL	6,300	Belle Meade	0	0	595	770	1,023	3,910	2.00	ML	2	96
CCL	76,550	St. Joe Timberland	486	1,343	5,508	5,636	11,415	45,508	1.82	ML	2	97
PRI	2,867	Clear Creek/Whiting Field	0	6	31	463	1,145	1,222	1.95	L	1	98
PRI	7,503	Hall Ranch	0	0	126	1,427	1,807	4,145	1.90	L	1	99
CNL	55,694	Devil's Garden	0	0	1,217	11,400	8,914	34,164	1.88	L	1	100
CNL	8,128	Twelvemile Slough	0	0	27	1,404	2,348	4,347	1.82	L	1	101
LTF	25,611	Gulf Hammock	0	162	2,822	6,044	2,078	0	1.82	L	1	102
LTF	2,338	Lower Perdido River Buffer	0	0	58	201	862	1,218	1.75	L	1	103
SC	5,902	Charlotte Harbor Estuary	0	4	133	999	1,860	1,662	1.73	L	1	104
CCL	11,920	Northeast Florida Blueway	0	194	569	2,215	1,456	3,822	1.72	L	1	105
PRI	76,427	Northeast Florida Timberlands and Watershed Reserve	0	41	520	6,516	27,556	41,211	1.65	L	1	106
PRI	8,394	Baldwin Bay/St. Marys River	0	0	17	939	1,755	5,682	1.55	L	1	107
CNL	2,188	Shoal River Buffer	0	0	22	139	612	1,408	1.52	L	1	108
CCL	179	Archie Carr Sea Turtle Refuge	0	21	0	0	5	76	1.39	L	1	109
CCL	3,393	Garcon Ecosystem	0	0	0	313	472	2,512	1.39	L	1	110
CNL	32,283	Camp Blanding to Raiford Greenway	0	23	160	1,266	6,286	24,549	1.34	L	1	111
CHR	562	Pierce Mound Complex	0	0	1	85	81	243	1.34	L	1	112
CNL	48,846	Apalachicola River	0	34	1,959	4,037	12,373	9,322	1.27	L	1	113
LTF	99,544	Coastal Headwaters Longleaf Forest	0	80	193	4,702	11,753	82,421	1.27	L	1	114
CNL	8,687	Wolfe Creek Forest	0	0	43	291	1,068	7,285	1.25	L	1	115
CCL	2,292	Terra Ceia	0	0	6	275	494	715	1.24	L	1	116
CNL	12,035	Upper Shoal River	0	0	0	153	905	10,975	1.11	L	1	117
PRI	8,321	Welannee Watershed Forest	0	0	0	0	0	8,249	0.99	L	1	118
PRI	12,344	Pumpkin Hill Creek	0	0	0	14	449	8,339	0.75	L	1	119
SC	3,077	Dickerson Bay/Bald Point	44	41	85	43	23	19	0.49	L	1	120

Aquifer Recharge, continued

			Resource Acres							Final Evaluation		
Category	Project Acres Remaining	Project	Recharge Priority 1	Recharge Priority 2	Recharge Priority 3	Recharge Priority 4	Recharge Priority 5	Recharge Priority 6	Preliminary Score	Group	Group Code*	Sort
CCL	1,142	Tiger Island/Little Tiger Island	0	0	0	0	0	375	0.33	L	1	121
SC	8,855	Florida Springs Coastal Greenway	5	0	41	217	806	48	0.32	L	1	122
CCL	1,157	Coupon Bight/Key Deer	0	0	0	0	0	0	0.00	L	1	123
CCL	5,849	Florida Keys Ecosystem	0	0	0	0	0	0	0.00	L	1	124
CHR	148	Pineland Site Complex	0	0	0	0	0	0	0.00	L	1	125

RECREATIONAL TRAILS^a Single Resource Score Worksheet

									Final Evaluation ^a		
Category	Project Acres Remaining	Project	Trails Miles Priority 1	Trails Miles Priority 2	SUM Miles Priorities 1-2	% of Project Priority 1	% of Project Priority 2	% of Project with Priorities 1-2	Group	Group Code*	Sort
CNL	11,572	Strategic Managed Area Lands List	122	25	146	14%	8%	22%	VH	5	1
CCL	5,849	Florida Keys Ecosystem	48	0	48	28%	0%	28%	VH	5	2
CNL	29,567	Lake Wales Ridge Ecosystem	27	5	32	9%	1%	10%	VH	5	3
PRI	18,257	Indian River Lagoon Blueway	21	10	31	14%	4%	18%	VH	5	4
CCL	179	Archie Carr Sea Turtle Refuge	11	0	11	68%	0%	68%	VH	5	5
CNL	54,862	Forest and Lakes Ecosystem	10	15	26	4%	6%	10%	VH	5	6
PRI	160,797	Green Swamp	43	20	63	5%	2%	6%	H	4	7
CNL	54,367	Etoniah/Cross Florida Greenway	39	0	39	8%	0%	8%	H	4	8
LTF	67,702	Raiford to Osceola Greenway	24	0	24	5%	0%	5%	H	4	9
CNL	22,268	Wekiva-Ocala Greenway	12	6	18	6%	1%	7%	H	4	10
CNL	27,503	Osceola Pine Savannas	11	0	11	8%	0%	8%	H	4	11
CCL	11,920	Northeast Florida Blueway	9	15	24	3%	8%	10%	H	4	12
SC	5,902	Charlotte Harbor Estuary	8	6	14	9%	10%	20%	H	4	13
PRI	13,663	Heather Island/Ocklawaha River	8	5	14	5%	4%	8%	H	4	14
CCL	3,393	Garcon Ecosystem	8	0	8	20%	0%	20%	H	4	15
PRI	9,619	Lake Santa Fe	8	6	14	5%	5%	10%	H	4	16
CNL	14,908	Wacissa/Aucilla River Sinks	8	0	8	6%	0%	6%	H	4	17
SC	2,657	South Walton County Ecosystem	8	5	12	15%	4%	19%	H	4	18
CNL	11,706	South Goethe	7	0	7	8%	0%	8%	H	4	19
CNL	22,399	Hixtown Swamp	7	0	7	7%	0%	7%	H	4	20
SC	3,077	Dickerson Bay/Bald Point	7	0	7	30%	0%	30%	H	4	21
PRI	1,129	Rainbow River Corridor	6	0	6	24%	0%	24%	H	4	22
CNL	2,389	Perdido Pitcher Plant Prairie	5	0	5	24%	0%	24%	H	4	23
CNL	4,689	Bear Hammock	5	0	5	19%	0%	19%	H	4	24
LTF	3,522	Conlin Lake X	5	0	5	11%	0%	11%	H	4	25
PRI	21,104	Brevard Coastal Scrub Ecosystem	4	36	41	2%	13%	14%	M	3	26
PRI	12,304	Middle Chipola River	5	11	16	3%	9%	12%	H	4	26
CNL	55,694	Devil's Garden	1	30	32	0%	8%	8%	M	3	27
CCL	17,070	St. Johns River Blueway	2	25	26	1%	12%	13%	M	3	28
CCL	76,550	St. Joe Timberland	18	7	26	3%	1%	3%	M	3	29
CNL	48,846	Apalachicola River	5	16	20	1%	5%	7%	M	3	30
LTF	99,032	Matanzas to Ocala Conservation Corridor	2	17	19	0%	4%	5%	M	3	31
PRI	76,427	Northeast Florida Timberlands and Watershed Reserve	15	4	19	3%	1%	3%	M	3	32
CNL	39,382	Panther Glades	0	18	18	0%	8%	8%	M	3	33
LTF	30,573	Myakka Ranchlands	2	14	16	1%	6%	7%	M	3	34
PRI	3,970	Wakulla Springs Protection Zone	0	14	15	0%	36%	36%	M	3	35
CNL	8,128	Twelvemile Slough	0	14	14	0%	19%	19%	M	3	36
PRI	6,040	Florida's First Magnitude Springs	5	9	14	4%	10%	15%	M	3	37
PRI	9,564	Pal-Mar	0	12	12	0%	8%	8%	M	3	38
LTF	3,804	Peace River Refuge	0	9	9	0%	49%	49%	M	3	39
PRI	2,867	Clear Creek/Whiting Field	0	9	9	0%	42%	42%	M	3	40
CNL	12,856	Caloosahatchee Ecoscape	3	6	9	4%	8%	12%	M	3	41
PRI	14,534	Sand Mountain	9	0	9	3%	0%	3%	M	3	42
PRI	3,912	Flagler County Blueway	3	5	8	2%	12%	14%	M	3	43
PRI	8,394	Baldwin Bay/St. Marys River	2	6	8	1%	10%	11%	M	3	44
SC	4,446	Lochloosa Wildlife	1	6	7	2%	10%	12%	M	3	45
PRI	6,990	Charlotte Harbor Flatwoods	5	3	7	7%	4%	11%	M	3	46
SC	8,855	Florida Springs Coastal Greenway	0	7	7	0%	6%	6%	M	3	47
PRI	8,741	Annnutteliga Hammock	7	0	7	4%	0%	4%	M	3	48
PRI	8,193	Atlantic Ridge Ecosystem	0	7	7	0%	8%	8%	M	3	49
PRI	17,832	Volusia Conservation Corridor	2	3	6	2%	3%	5%	M	3	50
LTF	6,018	Ayavalla Plantation	0	6	6	0%	19%	19%	M	3	51
CCL	3,742	Taylor Sweetwater Creek	4	0	4	23%	0%	23%	M	3	52
LTF	2,826	Seven Runs Creek Final Phase	3	1	4	1%	2%	3%	M	3	53
LTF	3,881	Ochlockonee River Conservation Area	0	4	4	0%	11%	11%	M	3	54
CCL	1,157	Coupon Bight/Key Deer	3	0	3	15%	0%	15%	M	3	55
PRI	2,348	Crayfish Habitat Restoration	3	0	3	13%	0%	13%	M	3	56
LTF	3,286	Withlacoochee River Corridor	3	0	3	8%	0%	8%	M	3	57
CCL	4,511	West Bay Preservation Area	0	3	3	0%	5%	5%	M	3	58

TRAILS GROUP ASSIGNMENT CRITERIA^a

NOTE: This measure does not use the standard weighted scoring method used for most other Single Resource Scores. Instead, the criteria outlined below are used to assign projects to Groups, so there is no numerical score for Trails.

Very High: 10 miles of Priority 1 AND 10% of project contains Priority 1 Trail corridor

High: 5 miles of Priority 1 AND 5% of project contains Priority 1 Trail corridor

Medium: 3 miles of Priorities 1 - 2 combined AND 3% of project contains Priorities 1 - 2 combined

Medium-Low: 2 miles of Priorities 1 - 2 combined

Low: Projects do not meet any other criteria

*** Group Code corresponds to value on Comparative Analysis table**

Sort Criteria

By Group then by miles of Priority class that determines group

Recreational Trails includes Hiking/Multi-Use Trail Priorities and Opportunities identified by DEP/Office of Greenways and Trails. Paddling Trails are not included in the Nov 2020 evaluation.

For a more complete description of methods see Single Resource Evaluation Documentation at <http://www.fnai.org/FIForever.cfm>

									Final Evaluation ^a		
Category	Project Acres Remaining	Project	Trails Miles Priority 1	Trails Miles Priority 2	SUM Miles Priorities 1-2	% of Project Priority 1	% of Project Priority 2	% of Project with Priorities 1-2	Group	Group Code*	Sort
LTF	122,213	Fisheating Creek Ecosystem	0	9	9	0%	1%	1%	ML	2	59
CNL	43,051	Blue Head Ranch	0	8	8	0%	2%	2%	ML	2	60
CNL	32,283	Camp Blanding to Raiford Greenway	6	0	6	2%	0%	2%	ML	2	61
PRI	12,344	Pumpkin Hill Creek	5	0	5	2%	0%	2%	ML	2	62
CNL	97,434	Bear Creek Forest	2	3	4	0%	0%	0%	ML	2	63
CNL	48,973	Pine Island Slough Ecosystem	4	0	4	1%	0%	1%	ML	2	64
CNL	29,263	Bombing Range Ridge	4	0	4	1%	0%	1%	ML	2	65
LTF	10,996	Bluefield to Cow Creek	0	3	3	0%	5%	5%	ML	2	66
LTF	30,705	Lower Suwannee River and Gulf Watershed	0	3	3	0%	1%	1%	ML	2	67
LTF	6,382	Limestone Ranch	0	3	3	0%	3%	3%	ML	2	68
PRI	304	Dade County Archipelago	2	1	3	12%	7%	18%	ML	2	69
SC	367	Spruce Creek	3	0	3	9%	0%	9%	ML	2	70
PRI	7,503	Hall Ranch	0	2	2	0%	3%	3%	ML	2	71
CNL	1,665	Econfina Timberlands	2	0	2	8%	0%	8%	ML	2	72
LTF	2,085	Little River Conservation Area	1	1	2	4%	6%	9%	ML	2	73
PRI	34,048	Corkscrew Regional Ecosystem Watershed	0	2	2	0%	1%	1%	ML	2	74
LTF	41,892	Big Bend Swamp/Holopaw Ranch	2	0	2	0%	0%	0%	ML	2	75
CNL	598	Southeastern Bat Maternity Caves	0	2	2	0%	9%	9%	ML	2	76
PRI	5,862	Watermelon Pond	0	1	2	1%	5%	7%	ML	2	77
PRI	8,446	Pringle Creek Forest	0	2	2	0%	2%	2%	ML	2	78
LTF	376	San Felasco Conservation Corridor	0	2	2	0%	11%	11%	ML	2	79
LTF	2,338	Lower Perdido River Buffer	0	1	1	0%	2%	2%	L	1	80
CCL	2,292	Terra Ceia	0	1	1	0%	3%	3%	L	1	81
LTF	99,544	Coastal Headwaters Longleaf Forest	1	0	1	0%	0%	0%	L	1	82
CNL	53,601	Pinhook Swamp	1	0	1	0%	0%	0%	L	1	83
PRI	305	Carr Farm/Price's Scrub	0	1	1	0%	13%	13%	L	1	84
LTF	1,254	Suwannee County Preservation	1	0	1	3%	0%	3%	L	1	85
LTF	5,021	Maytown Flatwoods	1	0	1	0%	0%	0%	L	1	86
CNL	1,717	Ichetucknee Trace	0	1	1	0%	1%	1%	L	1	87
CNL	2,188	Shoal River Buffer	1	0	1	1%	0%	1%	L	1	88
LTF	5,598	Adams Ranch	0	0	0	0%	0%	0%	L	1	89
LTF	4,172	Arbuckle Creek Watershed	0	0	0	0%	0%	0%	L	1	89
CHR	853	Battle of Wahoo Swamp	0	0	0	0%	0%	0%	L	1	89
CNL	6,300	Belle Meade	0	0	0	0%	0%	0%	L	1	89
PRI	3,231	Catfish Creek	0	0	0	0%	0%	0%	L	1	89
CNL	6,211	Corrigan Ranch	0	0	0	0%	0%	0%	L	1	89
PRI	12,440	Crossbar/Al Bar Ranch	0	0	0	0%	0%	0%	L	1	89
LTF	2,214	Eastern Scarp Ranchlands	0	0	0	0%	0%	0%	L	1	89
LTF	25,611	Gulf Hammock	0	0	0	0%	0%	0%	L	1	89
CNL	11,182	Half Circle L Ranch	0	0	0	0%	0%	0%	L	1	89
LTF	1,676	Hardee Flatwoods	0	0	0	0%	0%	0%	L	1	89
LTF	16,316	Horse Creek Ranch	0	0	0	0%	0%	0%	L	1	89
LTF	6,923	Hosford Chapman's Rhododendron Protection Zone	0	0	0	0%	0%	0%	L	1	89
LTF	37,930	Kissimmee-St. Johns River Connector	0	0	0	0%	0%	0%	L	1	89
PRI	10,253	Lafayette Forest	0	0	0	0%	0%	0%	L	1	89
CNL	3,592	Lake Hatchineha Watershed	0	0	0	0%	0%	0%	L	1	89
PRI	4,693	Lochloosa Forest	0	0	0	0%	0%	0%	L	1	89
CNL	9,687	Longleaf Pine Ecosystem	0	0	0	0%	0%	0%	L	1	89
LTF	12,293	Mill Creek	0	0	0	0%	0%	0%	L	1	89
LTF	83	Millstone Plantation	0	0	0	0%	0%	0%	L	1	89
CNL	1,967	Natural Bridge Creek	0	0	0	0%	0%	0%	L	1	89
LTF	14,153	North Waccasassa Flats	0	0	0	0%	0%	0%	L	1	89
LTF	1,264	Old Town Creek Watershed	0	0	0	0%	0%	0%	L	1	89
CHR	562	Pierce Mound Complex	0	0	0	0%	0%	0%	L	1	89
CHR	148	Pineland Site Complex	0	0	0	0%	0%	0%	L	1	89
LTF	12,515	Ranch Reserve	0	0	0	0%	0%	0%	L	1	89
LTF	16,951	Red Hills Conservation	0	0	0	0%	0%	0%	L	1	89
CNL	44,999	San Pedro Bay	0	0	0	0%	0%	0%	L	1	89
SC	24	Save Our Everglades	0	0	0	0%	0%	0%	L	1	89
CNL	12,428	Telogia Creek	0	0	0	0%	0%	0%	L	1	89
CCL	1,142	Tiger Island/Little Tiger Island	0	0	0	0%	0%	0%	L	1	89

Recreational Trails, continued

									Final Evaluation ^a		
Category	Project Acres Remaining	Project	Trails Miles Priority 1	Trails Miles Priority 2	SUM Miles Priorities 1-2	% of Project Priority 1	% of Project Priority 2	% of Project with Priorities 1-2	Group	Group Code*	Sort
CNL	5,336	Triple Diamond	0	0	0	0%	0%	0%	L	1	89
CNL	12,035	Upper Shoal River	0	0	0	0%	0%	0%	L	1	89
PRI	8,321	Welannee Watershed Forest	0	0	0	0%	0%	0%	L	1	89
LTF	710	West Aucilla River Buffer	0	0	0	0%	0%	0%	L	1	89
CNL	8,687	Wolfe Creek Forest	0	0	0	0%	0%	0%	L	1	89

POPULATION WITHIN 100 MILES Single Resource Score Worksheet

			Population within 100 Miles	Final Evaluation		
Category	Project Acres Remaining	Project		Group	Group Code*	Sort
CNL	11,572	Strategic Managed Area Lands List	18,800,722	VH	5	1
CNL	29,567	Lake Wales Ridge Ecosystem	13,629,762	VH	5	2
LTF	122,213	Fisheating Creek Ecosystem	12,641,634	VH	5	3
PRI	18,257	Indian River Lagoon Blueway	12,032,493	VH	5	4
PRI	6,040	Florida's First Magnitude Springs	11,214,987	VH	5	5
CNL	598	Southeastern Bat Maternity Caves	10,424,674	VH	5	6
CNL	43,051	Blue Head Ranch	10,193,470	VH	5	7
CNL	29,263	Bombing Range Ridge	10,183,124	VH	5	8
LTF	4,172	Arbuckle Creek Watershed	9,978,555	H	4	9
LTF	2,214	Eastern Scarp Ranchlands	9,572,653	H	4	10
CNL	12,856	Caloosahatchee Ecoscape	9,413,110	H	4	11
CNL	6,211	Corrigan Ranch	9,406,257	H	4	12
CNL	48,973	Pine Island Slough Ecosystem	9,391,104	H	4	13
PRI	160,797	Green Swamp	9,301,326	H	4	14
CNL	9,687	Longleaf Pine Ecosystem	9,261,860	H	4	15
PRI	3,231	Catfish Creek	9,260,812	H	4	16
CNL	5,336	Triple Diamond	9,192,272	H	4	17
LTF	1,264	Old Town Creek Watershed	9,167,593	H	4	18
LTF	37,930	Kissimmee-St. Johns River Connector	9,151,441	H	4	19
LTF	1,676	Hardee Flatwoods	9,101,416	H	4	20
CNL	3,592	Lake Hatchineha Watershed	9,095,011	H	4	21
CNL	22,268	Wekiva-Ocala Greenway	9,052,367	H	4	22
LTF	41,892	Big Bend Swamp/Holopaw Ranch	9,037,567	H	4	23
LTF	5,598	Adams Ranch	8,949,515	H	4	24
CNL	54,367	Etoniah/Cross Florida Greenway	8,867,146	H	4	25
CNL	8,128	Twelvemile Slough	8,809,689	H	4	26
CNL	27,503	Osceola Pine Savannas	8,725,761	H	4	27
PRI	13,663	Heather Island/Ocklawaha River	8,679,690	H	4	28
LTF	6,382	Limestone Ranch	8,454,192	H	4	29
CNL	55,694	Devil's Garden	8,402,638	H	4	30
LTF	10,996	Bluefield to Cow Creek	8,385,004	H	4	31
PRI	1,129	Rainbow River Corridor	8,346,569	H	4	32
LTF	3,286	Withlacoochee River Corridor	8,317,331	H	4	33
LTF	16,316	Horse Creek Ranch	8,271,852	H	4	34
CNL	11,706	South Goethe	8,263,976	H	4	35
PRI	8,741	Annutteliga Hammock	8,225,175	H	4	36
PRI	34,048	Corkscrew Regional Ecosystem Watershed	8,224,727	H	4	37
CHR	853	Battle of Wahoo Swamp	8,219,990	H	4	38
CNL	4,689	Bear Hammock	8,089,897	H	4	39
SC	8,855	Florida Springs Coastal Greenway	8,030,843	H	4	40
CNL	11,182	Half Circle L Ranch	7,996,135	H	4	41
PRI	12,440	Crossbar/Al Bar Ranch	7,974,978	H	4	42
CNL	39,382	Panther Glades	7,887,759	H	4	43
LTF	25,611	Gulf Hammock	7,867,767	H	4	44
LTF	3,522	Conlin Lake X	7,818,827	H	4	45
LTF	12,515	Ranch Reserve	7,771,617	H	4	46
PRI	9,564	Pal-Mar	7,759,924	H	4	47
SC	24	Save Our Everglades	7,667,930	H	4	48
PRI	17,832	Volusia Conservation Corridor	7,656,017	H	4	49
LTF	3,804	Peace River Refuge	7,447,788	M	3	50
PRI	21,104	Brevard Coastal Scrub Ecosystem	7,424,705	M	3	51
LTF	30,573	Myakka Ranchlands	7,385,491	M	3	52
LTF	12,293	Mill Creek	7,319,872	M	3	53
CNL	6,300	Belle Meade	7,098,339	M	3	54
PRI	8,193	Atlantic Ridge Ecosystem	6,904,245	M	3	55
CCL	2,292	Terra Ceia	6,820,470	M	3	56
PRI	304	Dade County Archipelago	6,574,369	M	3	57
SC	4,446	Lochloosa Wildlife	6,513,019	M	3	58
PRI	305	Carr Farm/Price's Scrub	6,310,413	M	3	59
PRI	7,503	Hall Ranch	6,288,294	M	3	60
LTF	99,032	Matanzas to Ocala Conservation Corridor	6,273,629	M	3	61

POPULATION W/IN 100 MILES
GROUP ASSIGNMENT CRITERIA

NOTE: This measure does not use the standard weighted scoring method used for most other Single Resource Scores. Instead, the criteria outlined below are used to assign projects to Groups, so there is no numerical score for Population within 100 Miles.

Very High: ≥ 10 million

High: 7.5 - 9.9 million

Medium: 5 - 7.4 million

Medium-Low: 1 - 4.9 million

Low: < 1 million

Sort Criteria

By population size

*** Group Code corresponds to value on Comparative Analysis table**

For a more complete description of methods see Single Resource

			Population within 100 Miles	Final Evaluation		
Category	Project Acres Remaining	Project		Group	Group Code*	Sort
SC	367	Spruce Creek	6,249,995	M	3	62
PRI	5,862	Watermelon Pond	6,157,729	M	3	63
CCL	179	Archie Carr Sea Turtle Refuge	6,009,530	M	3	64
LTF	5,021	Maytown Flatwoods	5,940,186	M	3	65
PRI	3,912	Flagler County Blueway	5,762,755	M	3	66
PRI	8,446	Pringle Creek Forest	5,611,008	M	3	67
SC	5,902	Charlotte Harbor Estuary	5,508,799	M	3	68
CCL	11,920	Northeast Florida Blueway	5,409,721	M	3	69
CCL	17,070	St. Johns River Blueway	5,274,936	M	3	70
PRI	6,990	Charlotte Harbor Flatwoods	5,248,850	M	3	71
PRI	9,619	Lake Santa Fe	5,202,950	M	3	72
CCL	5,849	Florida Keys Ecosystem	5,057,000	M	3	73
PRI	4,693	Lochloosa Forest	5,008,384	M	3	74
PRI	76,427	Northeast Florida Timberlands and Watershed Reserve	4,534,153	ML	2	75
CHR	148	Pineland Site Complex	4,284,242	ML	2	76
LTF	376	San Felasco Conservation Corridor	4,080,404	ML	2	77
LTF	30,705	Lower Suwannee River and Gulf Watershed	3,825,024	ML	2	78
CNL	32,283	Camp Blanding to Raiford Greenway	3,461,399	ML	2	79
LTF	14,153	North Waccasassa Flats	3,449,783	ML	2	80
LTF	67,702	Raiford to Osceola Greenway	3,220,438	ML	2	81
PRI	10,253	Lafayette Forest	3,120,591	ML	2	82
CNL	1,717	Ichetucknee Trace	3,057,519	ML	2	83
PRI	8,394	Baldwin Bay/St. Marys River	2,773,562	ML	2	84
CNL	53,601	Pinhook Swamp	2,717,446	ML	2	85
LTF	1,254	Suwannee County Preservation	2,674,845	ML	2	86
PRI	12,344	Pumpkin Hill Creek	2,559,792	ML	2	87
CCL	1,142	Tiger Island/Little Tiger Island	2,002,844	ML	2	88
CCL	76,550	St. Joe Timberland	1,757,770	ML	2	89
CNL	44,999	San Pedro Bay	1,605,616	ML	2	90
CCL	1,157	Coupon Bight/Key Deer	1,400,095	ML	2	91
CNL	54,862	Forest and Lakes Ecosystem	1,349,709	ML	2	92
CCL	4,511	West Bay Preservation Area	1,342,627	ML	2	93
LTF	2,826	Seven Runs Creek Final Phase	1,287,104	ML	2	94
CCL	3,742	Taylor Sweetwater Creek	1,282,814	ML	2	95
PRI	14,534	Sand Mountain	1,273,315	ML	2	96
PRI	2,348	Crayfish Habitat Restoration	1,198,236	ML	2	97
CNL	22,399	Hixtown Swamp	1,118,713	ML	2	98
CNL	97,434	Bear Creek Forest	1,092,199	ML	2	99
SC	2,657	South Walton County Ecosystem	1,054,387	ML	2	100
CNL	14,908	Wacissa/Aucilla River Sinks	1,047,414	ML	2	101
CNL	12,035	Upper Shoal River	1,019,807	ML	2	102
CNL	1,967	Natural Bridge Creek	1,004,351	ML	2	103
CNL	2,188	Shoal River Buffer	986,511	L	1	104
PRI	12,304	Middle Chipola River	980,033	L	1	105
CNL	48,846	Apalachicola River	976,600	L	1	106
PRI	8,321	Welannee Watershed Forest	974,951	L	1	107
CNL	1,665	Econfina Timberlands	960,623	L	1	108
CNL	8,687	Wolfe Creek Forest	920,828	L	1	109
LTF	99,544	Coastal Headwaters Longleaf Forest	919,660	L	1	110
PRI	2,867	Clear Creek/Whiting Field	908,821	L	1	111
CCL	3,393	Garcon Ecosystem	905,409	L	1	112
CNL	12,428	Telogia Creek	903,882	L	1	113
LTF	16,951	Red Hills Conservation	886,430	L	1	114
PRI	3,970	Wakulla Springs Protection Zone	886,168	L	1	115
SC	3,077	Dickerson Bay/Bald Point	859,057	L	1	116
LTF	6,018	Ayavalla Plantation	840,226	L	1	117
LTF	83	Millstone Plantation	838,764	L	1	118
LTF	3,881	Ochlockonee River Conservation Area	828,151	L	1	119
LTF	6,923	Hosford Chapman's Rhododendron Protection Zone	817,400	L	1	120
LTF	2,085	Little River Conservation Area	807,788	L	1	121
LTF	710	West Aucilla River Buffer	807,495	L	1	122
CHR	562	Pierce Mound Complex	776,605	L	1	123
CNL	2,389	Perdido Pitcher Plant Prairie	765,511	L	1	124

Population w/in 100 miles, continued

			Population within 100 Miles	Final Evaluation		
Category	Project Acres Remaining	Project		Group	Group Code*	Sort
LTF	2,338	Lower Perdido River Buffer	757,684	L	1	125

SEA LEVEL RISE MITIGATION Single Resource Score Worksheet

			Coastal		Final Evaluation		
Category	Project Acres Remaining	Project	Connectivity Score	Vulnerable Mgd Area Connectivity Score	Group	Group Code*	Sort
LTF	99,032	Matanzas to Ocala Conservation Corridor	5.00	1.00	VH	5	1
LTF	25,611	Gulf Hammock	5.00	1.00	VH	5	2
CCL	76,550	St. Joe Timberland	4.51	1.00	VH	5	3
LTF	30,705	Lower Suwannee River and Gulf Watershed	4.30	1.00	H	4	4
PRI	18,257	Indian River Lagoon Blueway	4.00	4.00	H	4	5
PRI	76,427	Northeast Florida Timberlands and Watershed Reserve	4.00	1.00	H	4	6
CNL	48,846	Apalachicola River	4.00	1.00	H	4	7
CCL	3,742	Taylor Sweetwater Creek	3.98	1.00	H	4	8
CCL	17,070	St. Johns River Blueway	3.44	3.00	M	3	9
PRI	12,304	Middle Chipola River	3.35	1.00	L	1	10
PRI	12,344	Pumpkin Hill Creek	3.30	3.00	M	3	11
CCL	3,393	Garcon Ecosystem	3.16	1.00	M	3	12
PRI	3,912	Flagler County Blueway	3.07	2.00	M	3	13
SC	5,902	Charlotte Harbor Estuary	3.00	2.00	M	3	14
CNL	22,268	Wekiva-Ocala Greenway	3.00	1.00	M	3	15
PRI	17,832	Volusia Conservation Corridor	3.00	1.00	M	3	16
CNL	11,572	Strategic Managed Area Lands List	3.00	1.00	M	3	17
CCL	4,511	West Bay Preservation Area	3.00	1.00	M	3	18
SC	3,077	Dickerson Bay/Bald Point	2.84	1.00	M	3	19
CCL	11,920	Northeast Florida Blueway	2.20	1.00	ML	2	20
CCL	2,292	Terra Ceia	2.00	2.00	ML	2	21
CNL	14,908	Wacissa/Aucilla River Sinks	2.00	1.00	ML	2	22
PRI	6,040	Florida's First Magnitude Springs	2.00	1.00	ML	2	23
LTF	2,826	Seven Runs Creek Final Phase	2.00	1.00	ML	2	24
SC	2,657	South Walton County Ecosystem	2.00	1.00	ML	2	25
PRI	21,104	Brevard Coastal Scrub Ecosystem	2.00	1.00	ML	2	26
CCL	5,849	Florida Keys Ecosystem	2.00	1.00	ML	2	27
CNL	2,389	Perdido Pitcher Plant Prairie	2.00	1.00	ML	2	28
CHR	562	Pierce Mound Complex	2.00	1.00	ML	2	29
SC	367	Spruce Creek	2.00	1.00	ML	2	30
CCL	179	Archie Carr Sea Turtle Refuge	2.00	1.00	ML	2	31
LTF	5,598	Adams Ranch	1.00	1.00	L	1	32
PRI	8,741	Annettella Hammock	1.00	1.00	L	1	32
LTF	4,172	Arbuckle Creek Watershed	1.00	1.00	L	1	32
PRI	8,193	Atlantic Ridge Ecosystem	1.00	1.00	L	1	32
LTF	6,018	Ayavalla Plantation	1.00	1.00	L	1	32
PRI	8,394	Baldwin Bay/St. Marys River	1.00	1.00	L	1	32
CHR	853	Battle of Wahoo Swamp	1.00	1.00	L	1	32
CNL	97,434	Bear Creek Forest	1.00	1.00	L	1	32
CNL	4,689	Bear Hammock	1.00	1.00	L	1	32
CNL	6,300	Belle Meade	1.00	1.00	L	1	32
LTF	41,892	Big Bend Swamp/Holopaw Ranch	1.00	1.00	L	1	32
CNL	43,051	Blue Head Ranch	1.00	1.00	L	1	32
LTF	10,996	Bluefield to Cow Creek	1.00	1.00	L	1	32
CNL	29,263	Bombing Range Ridge	1.00	1.00	L	1	32
CNL	12,856	Caloosahatchee Ecoscape	1.00	1.00	L	1	32
CNL	32,283	Camp Blanding to Raiford Greenway	1.00	1.00	L	1	32
PRI	305	Carr Farm/Price's Scrub	1.00	1.00	L	1	32
PRI	3,231	Catfish Creek	1.00	1.00	L	1	32
PRI	6,990	Charlotte Harbor Flatwoods	1.00	1.00	L	1	32
PRI	2,867	Clear Creek/Whiting Field	1.00	1.00	L	1	32
LTF	99,544	Coastal Headwaters Longleaf Forest	1.00	1.00	L	1	32
LTF	3,522	Conlin Lake X	1.00	1.00	L	1	32
PRI	34,048	Corkscrew Regional Ecosystem Watershed	1.00	1.00	L	1	32
CNL	6,211	Corrigan Ranch	1.00	1.00	L	1	32
CCL	1,157	Coupon Bight/Key Deer	1.00	1.00	L	1	32
PRI	2,348	Crayfish Habitat Restoration	1.00	1.00	L	1	32
PRI	12,440	Crossbar/Al Bar Ranch	1.00	1.00	L	1	32
PRI	304	Dade County Archipelago	1.00	1.00	L	1	32
CNL	55,694	Devil's Garden	1.00	1.00	L	1	32
LTF	2,214	Eastern Scarp Ranchlands	1.00	1.00	L	1	32
CNL	1,665	Econfina Timberlands	1.00	1.00	L	1	32

SEA LEVEL RISE MITIGATION SCORING CRITERIA

Projects were scored using spatial models based on two distinct criteria:

1) project's connectivity to an existing coastal managed area that is threatened by a projected sea level rise of 1 meter (see "**Vulnerable Mgd Area Connectivity Score**" in this table). This is intended to assess a project's role as a potential ecological refuge or bridge from the vulnerable managed area to inland areas with higher elevations.

2) project's general connectivity from the coast inland (see "**Coastal Connectivity Score**" in this table). This is intended to assess a project's role as a corridor from coastal resources threatened by sea level rise to inland areas with higher elevations (regardless of whether a managed area is present).

Vulnerable Managed Area Connectivity Group Criteria

Scored based on the size of each project parcel relative to the size of the adjacent managed area that it supports.

Coastal Connectivity Group Criteria

Scored based on the percent of each project parcel lying above 2 meters elevation, and the size of the parcel.

Final Sea Level Rise Group Criteria: Higher of the two individual groups outlined above.

Sort Criteria

1. Group Code.
2. Sum of the two criteria codes.
3. Maximum individual project parcel score.

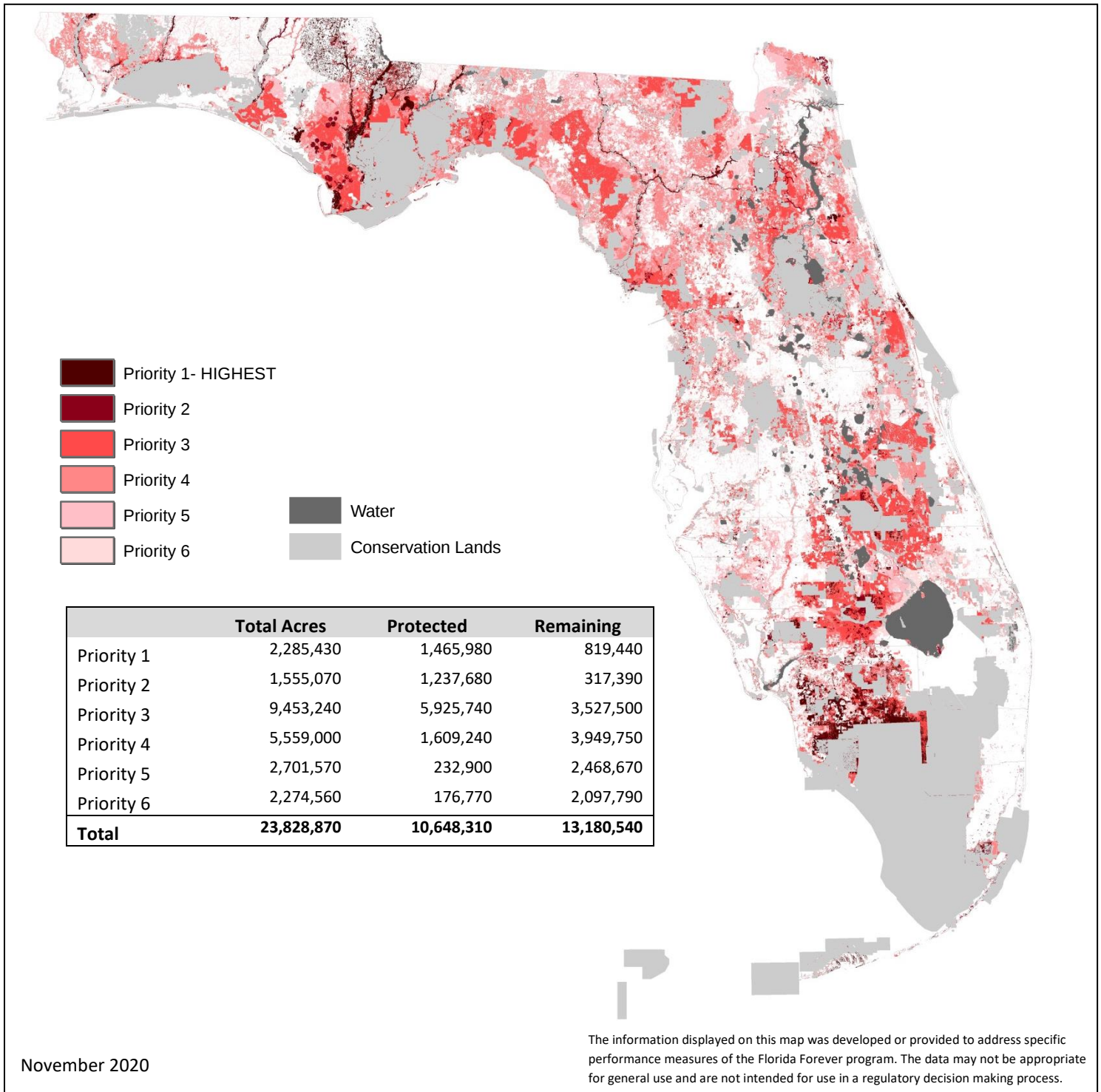
*** Group Code corresponds to value on Comparative Analysis table**

					Final Evaluation		
Category	Project Acres Remaining	Project	Coastal Connectivity Score	Vulnerable Mgd Area Connectivity Score	Group	Group Code*	Sort
CNL	54,367	Etoniah/Cross Florida Greenway	1.00	1.00	L	1	32
LTF	122,213	Fisheating Creek Ecosystem	1.00	1.00	L	1	32
SC	8,855	Florida Springs Coastal Greenway	1.00	1.00	L	1	32
CNL	54,862	Forest and Lakes Ecosystem	1.00	1.00	L	1	32
PRI	160,797	Green Swamp	1.00	1.00	L	1	32
CNL	11,182	Half Circle L Ranch	1.00	1.00	L	1	32
PRI	7,503	Hall Ranch	1.00	1.00	L	1	32
LTF	1,676	Hardee Flatwoods	1.00	1.00	L	1	32
PRI	13,663	Heather Island/Ocklawaha River	1.00	1.00	L	1	32
CNL	22,399	Hixtown Swamp	1.00	1.00	L	1	32
LTF	16,316	Horse Creek Ranch	1.00	1.00	L	1	32
LTF	6,923	Hosford Chapman's Rhododendron Protection Zone	1.00	1.00	L	1	32
CNL	1,717	Ichetucknee Trace	1.00	1.00	L	1	32
LTF	37,930	Kissimmee-St. Johns River Connector	1.00	1.00	L	1	32
PRI	10,253	Lafayette Forest	1.00	1.00	L	1	32
CNL	3,592	Lake Hatchineha Watershed	1.00	1.00	L	1	32
PRI	9,619	Lake Santa Fe	1.00	1.00	L	1	32
CNL	29,567	Lake Wales Ridge Ecosystem	1.00	1.00	L	1	32
LTF	6,382	Limestone Ranch	1.00	1.00	L	1	32
LTF	2,085	Little River Conservation Area	1.00	1.00	L	1	32
PRI	4,693	Lochloosa Forest	1.00	1.00	L	1	32
SC	4,446	Lochloosa Wildlife	1.00	1.00	L	1	32
CNL	9,687	Longleaf Pine Ecosystem	1.00	1.00	L	1	32
LTF	2,338	Lower Perdido River Buffer	1.00	1.00	L	1	32
LTF	5,021	Maytown Flatwoods	1.00	1.00	L	1	32
LTF	12,293	Mill Creek	1.00	1.00	L	1	32
LTF	83	Millstone Plantation	1.00	1.00	L	1	32
LTF	30,573	Myakka Ranchlands	1.00	1.00	L	1	32
CNL	1,967	Natural Bridge Creek	1.00	1.00	L	1	32
LTF	14,153	North Waccasassa Flats	1.00	1.00	L	1	32
LTF	3,881	Ochlockonee River Conservation Area	1.00	1.00	L	1	32
LTF	1,264	Old Town Creek Watershed	1.00	1.00	L	1	32
CNL	27,503	Osceola Pine Savannas	1.00	1.00	L	1	32
PRI	9,564	Pal-Mar	1.00	1.00	L	1	32
CNL	39,382	Panther Glades	1.00	1.00	L	1	32
LTF	3,804	Peace River Refuge	1.00	1.00	L	1	32
CNL	48,973	Pine Island Slough Ecosystem	1.00	1.00	L	1	32
CHR	148	Pineland Site Complex	1.00	1.00	L	1	32
CNL	53,601	Pinhook Swamp	1.00	1.00	L	1	32
PRI	8,446	Pringle Creek Forest	1.00	1.00	L	1	32
LTF	67,702	Raiford to Osceola Greenway	1.00	1.00	L	1	32
PRI	1,129	Rainbow River Corridor	1.00	1.00	L	1	32
LTF	12,515	Ranch Reserve	1.00	1.00	L	1	32
LTF	16,951	Red Hills Conservation	1.00	1.00	L	1	32
LTF	376	San Felasco Conservation Corridor	1.00	1.00	L	1	32
CNL	44,999	San Pedro Bay	1.00	1.00	L	1	32
PRI	14,534	Sand Mountain	1.00	1.00	L	1	32
SC	24	Save Our Everglades	1.00	1.00	L	1	32
CNL	2,188	Shoal River Buffer	1.00	1.00	L	1	32
CNL	11,706	South Goethe	1.00	1.00	L	1	32
CNL	598	Southeastern Bat Maternity Caves	1.00	1.00	L	1	32
LTF	1,254	Suwannee County Preservation	1.00	1.00	L	1	32
CNL	12,428	Telogia Creek	1.00	1.00	L	1	32
CCL	1,142	Tiger Island/Little Tiger Island	1.00	1.00	L	1	32
CNL	5,336	Triple Diamond	1.00	1.00	L	1	32
CNL	8,128	Twelvemile Slough	1.00	1.00	L	1	32
CNL	12,035	Upper Shoal River	1.00	1.00	L	1	32
PRI	3,970	Wakulla Springs Protection Zone	1.00	1.00	L	1	32
PRI	5,862	Watermelon Pond	1.00	1.00	L	1	32
PRI	8,321	Welmanee Watershed Forest	1.00	1.00	L	1	32
LTF	710	West Aucilla River Buffer	1.00	1.00	L	1	32
LTF	3,286	Withlacoochee River Corridor	1.00	1.00	L	1	32
CNL	8,687	Wolfe Creek Forest	1.00	1.00	L	1	32

Sea Level Rise Mitigation, continued

Appendix B. Ranking Support Analyses Maps

Species	Map 1
Natural Communities	Map 2
Landscapes – Landscape Linkage	Map 3
Landscapes - Large Landscapes	Map 4
Surface Waters	Map 5
Wetlands/Floodplain	Map 6
Recreational Trails	Map 7
Sustainable Forestry	Map 8
Groundwater Recharge	Map 9

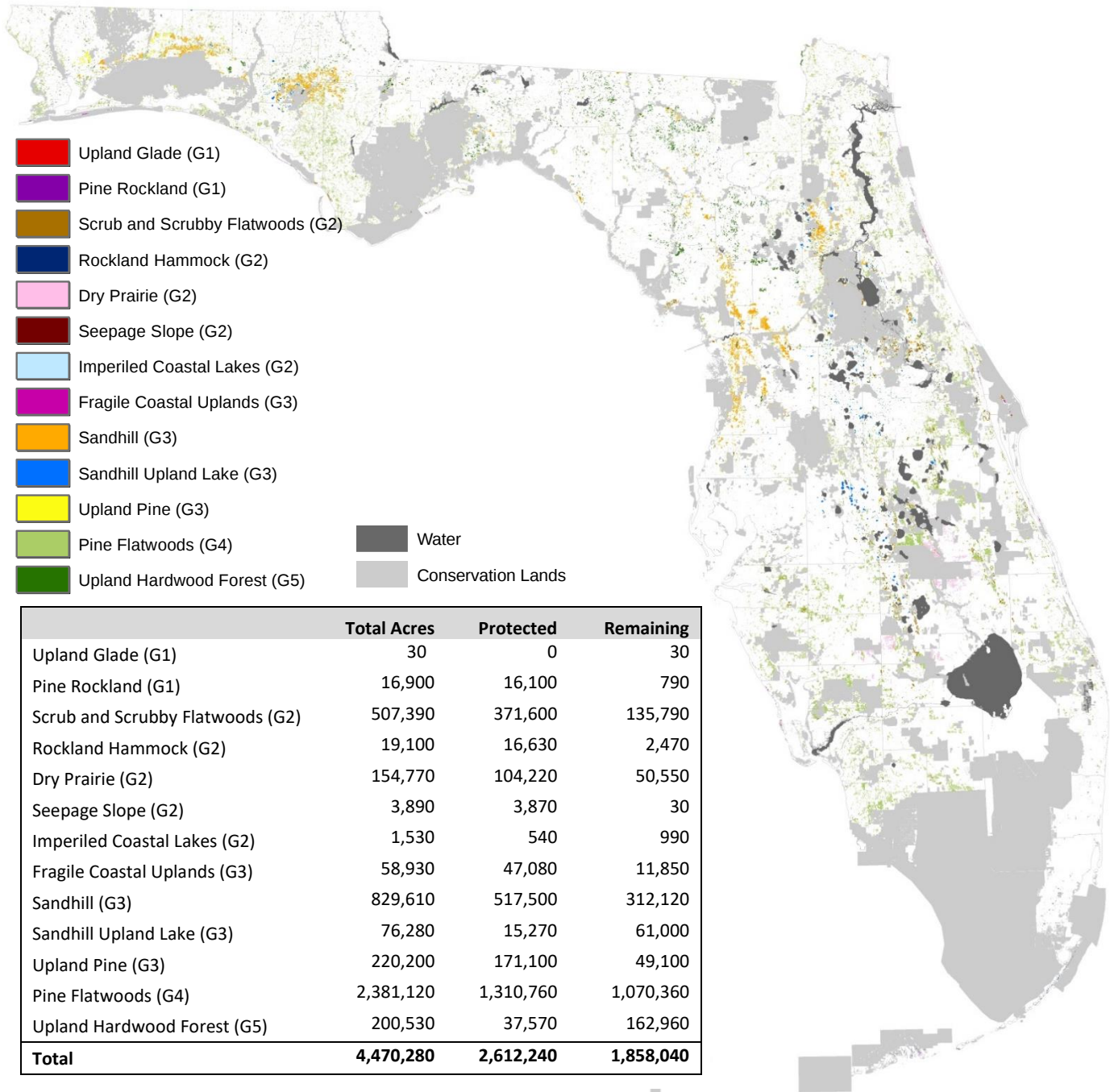
Species**Combined Strategic Habitat Conservation Areas and Rare Species Habitat Conservation Priorities**

Primary Sources: Florida Fish and Wildlife Conservation Commission; Florida Natural Areas Inventory

Description: The Strategic Habitat Conservation Areas for Florida Forever and FNAI Habitat Conservation Priorities identify habitat for some of the same species. Twenty-eight species were included in both the final SHCA and FNAI habitat analyses. In order to minimize this redundancy the Species data layer combines information from these two layers. Please refer to the Decision Support Data Documentation (<http://www.fnai.org/FlForever.cfm>) for an explanation of how priority classes were assigned in the combination of the two data layers.

Natural Communities

Combined Under-represented Ecosystems and Fragile Coastal Resources (Uplands)



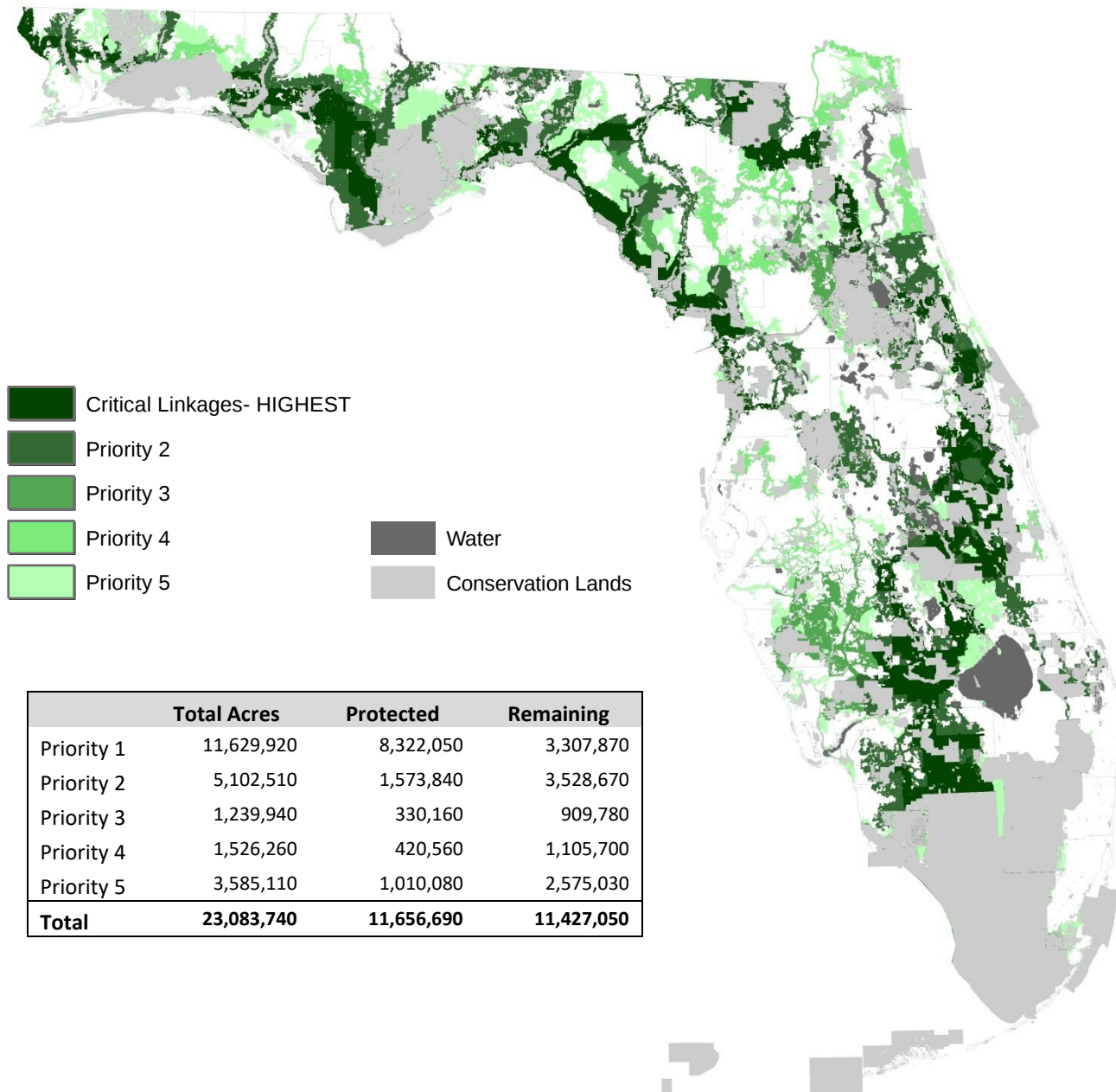
The information displayed on this map was developed or provided to address specific performance measures of the Florida Forever program. The data may not be appropriate for general use and are not intended for use in a regulatory decision making process.

November 2020

Primary Source: FNAI

Description: The Natural Community data layer is made up of natural communities under-represented on conservation lands, and fragile coastal resources, which include fragile coastal uplands and imperiled coastal lakes. Mangrove and Salt Marsh (G5) are included in the Functional Wetlands data layer. This data layer is prioritized based on the Global Rank of the natural communities. Please refer to the Decision Support Data Documentation (<http://www.fnai.org/FIForever.cfm>) for an explanation of how this dataset is used in Florida Forever analyses.

Landscapes - Landscape Linkage



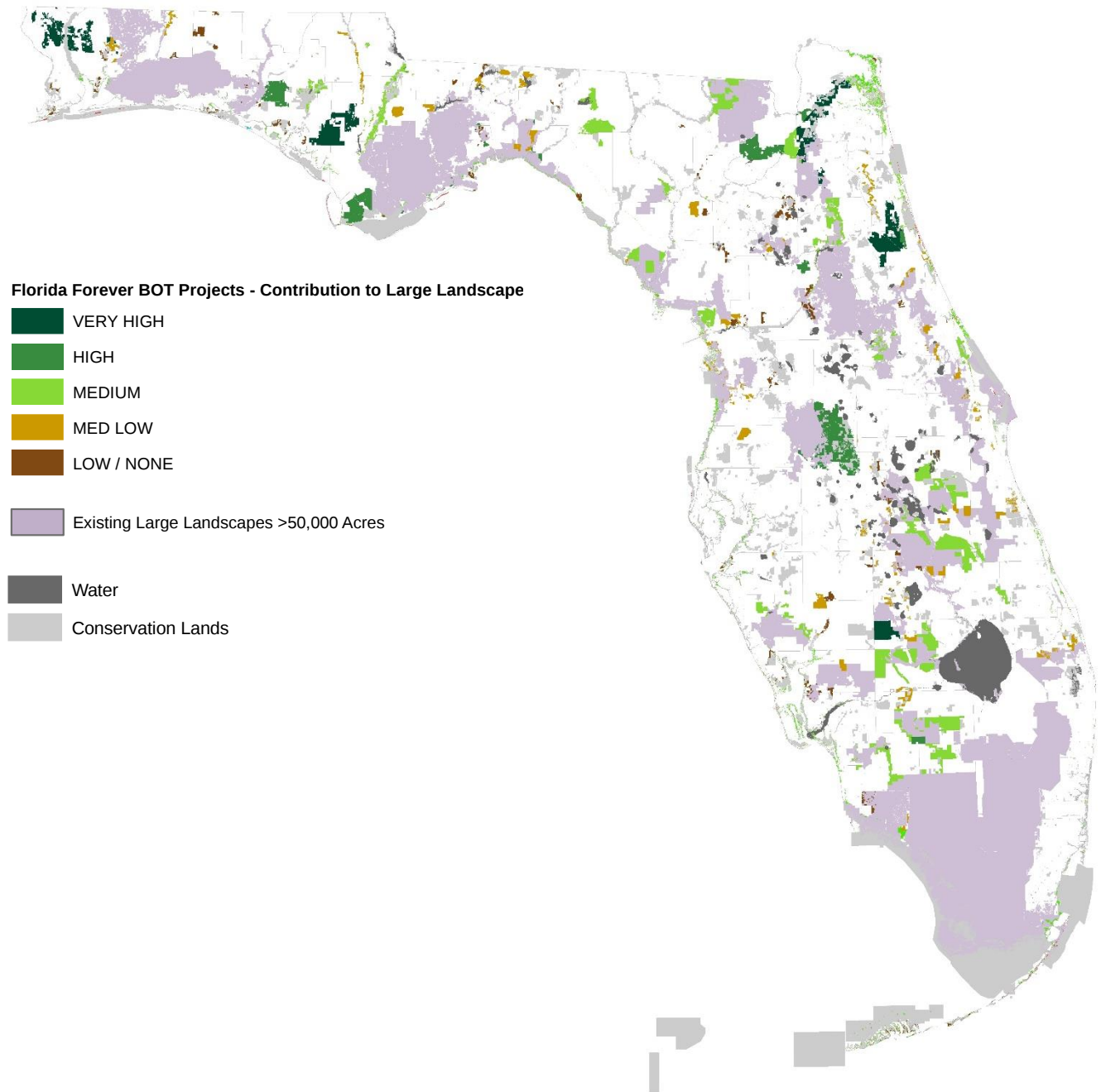
November 2020

The information displayed on this map was developed or provided to address specific performance measures of the Florida Forever program. The data may not be appropriate for general use and are not intended for use in a regulatory decision making process.

Primary Source: University of Florida; FDEP/Office of Greenways and Trails

Description: Landscape Linkage is represented by the Florida Ecological Greenways Network as revised in 2016, a statewide system of landscape hubs, linkages, and conservation corridors. Prioritization is based on factors such as importance for wide-ranging species, importance for maintaining a connected reserve network, and riparian corridors. Critical Linkages are considered most important for completing a statewide ecological network of public and private conservation lands.

Landscapes - Large Landscapes



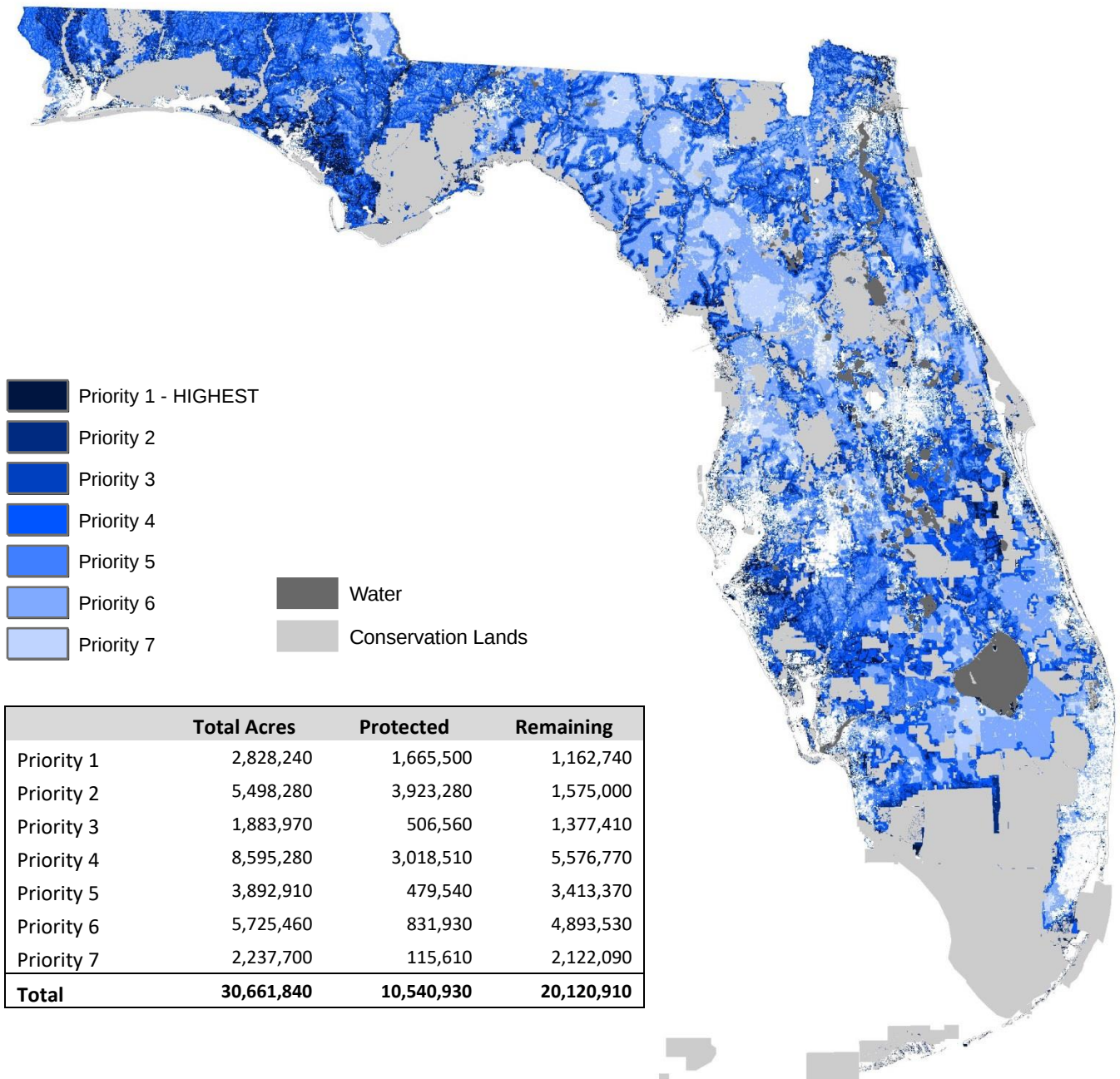
November 2020

The information displayed on this map was developed or provided to address specific performance measures of the Florida Forever program. The data may not be appropriate for general use and are not intended for use in a regulatory decision making process.

Primary Source: Florida Natural Areas Inventory

Description: The Large Landscapes dataset depicts existing conservation land complexes that comprise contiguous areas of >50,000 acres. Current Florida Forever BOT Projects are prioritized based on their potential contribution to large landscapes >50,000 acres. Protection of these areas would contribute to maintenance of ecosystem processes on a landscape level. For more information see the Conservation Needs Assessment Technical Report: <http://www.fnai.org/FIForever.cfm>.

Surface Water Protection

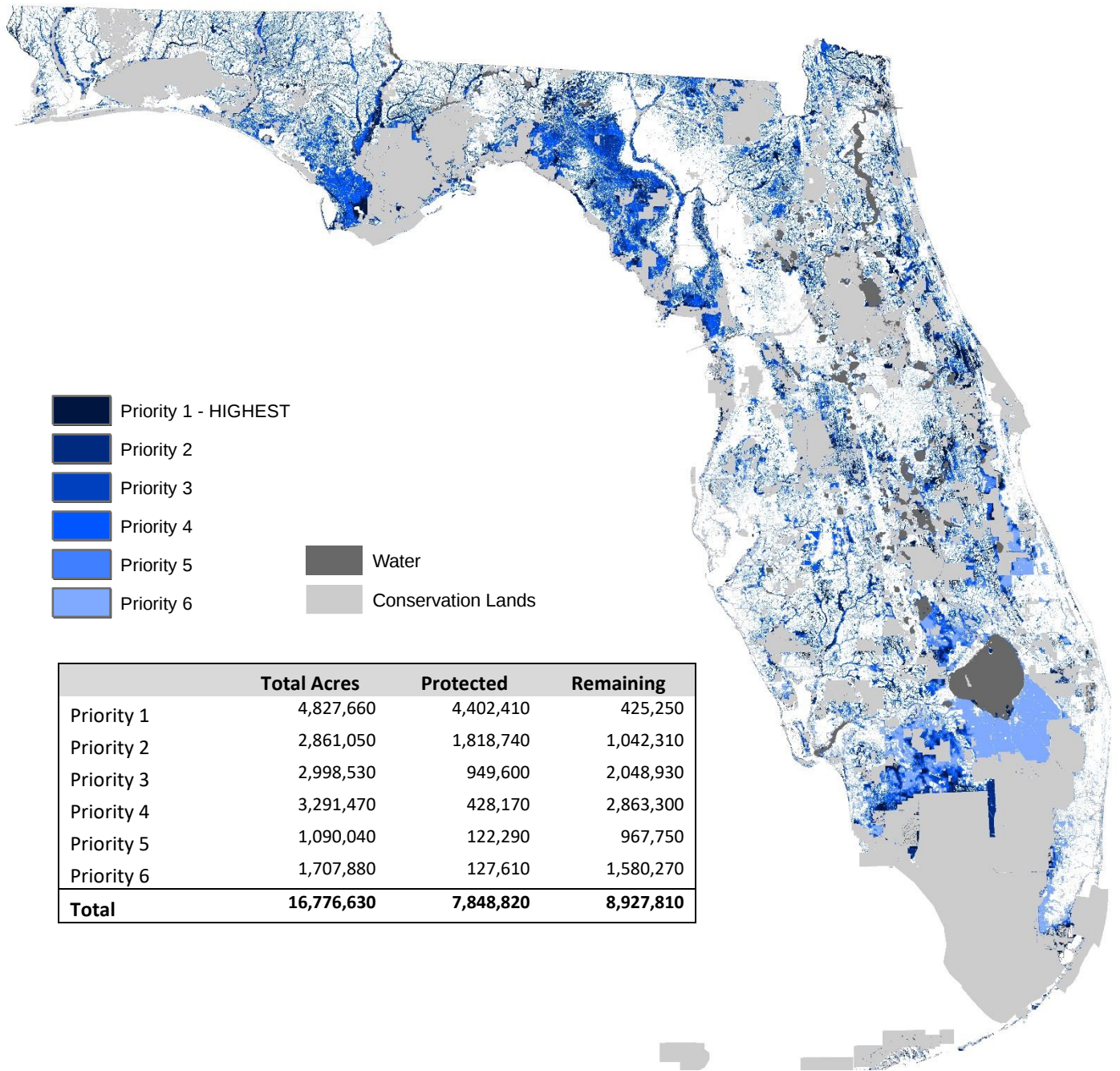


November 2020

The information displayed on this map was developed or provided to address specific performance measures of the Florida Forever program. The data may not be appropriate for general use and are not intended for use in a regulatory decision making process.

Primary Source: Florida Natural Areas Inventory in collaboration with water resource experts

Description: The surface water data identifies significant high quality surface waters of the state, which include the following: Outstanding Florida Waters, National Scenic Waters and National Estuaries, shellfish harvesting areas, seagrass beds, springs, water supply and waters important for imperiled fish. The data are prioritized based on proximity to a water body, stream order, downstream length, basin size and other factors. For more information see the Conservation Needs Assessment Technical Report: <http://www.fnai.org/FIForever.cfm>.

Wetlands/Floodplain**Combined Functional Wetlands and Natural Floodplain**

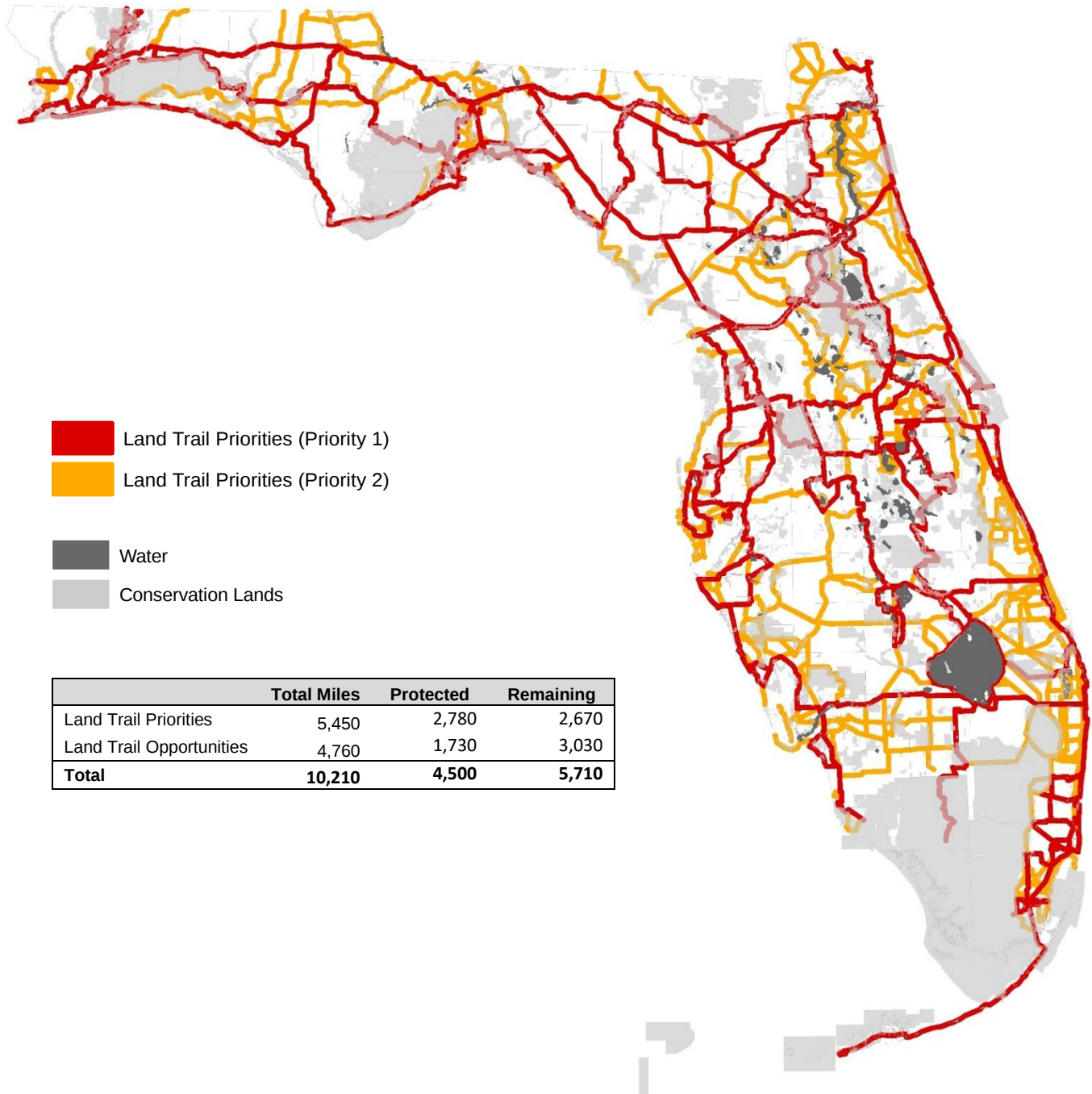
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The information displayed on this map was developed or provided to address specific performance measures of the Florida Forever program. The data may not be appropriate for general use and are not intended for use in a regulatory decision making process.

Primary Source: FNAI

Description: The Wetlands/Floodplain data layer identifies lands that protect both functional wetlands and natural floodplain. Prioritization is based on overlap with Land Use Intensity index and FNAI Potential Natural Areas. Please refer to the Decision Support Data Documentation (<http://www.fnai.org/FIForever.cfm>) for more detailed explanation of how priority classes were assigned in the combination of the wetlands and floodplain layers.

Recreational Trails



	Total Miles	Protected	Remaining
Land Trail Priorities	5,450	2,780	2,670
Land Trail Opportunities	4,760	1,730	3,030
Total	10,210	4,500	5,710

November 2020

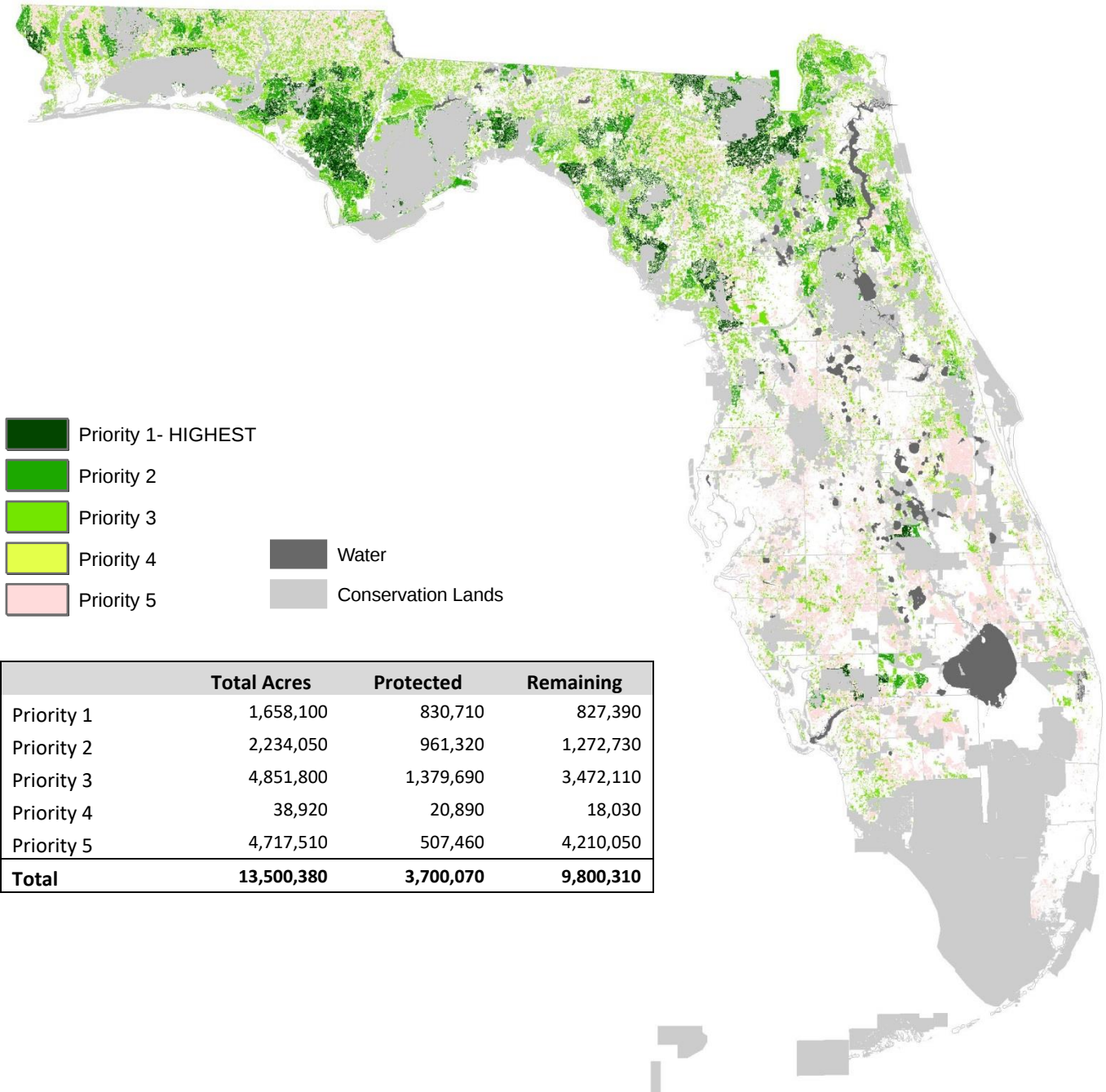
The information displayed on this map was developed or provided to address specific performance measures of the Florida Forever program. The data may not be appropriate for general use and are not intended for use in a regulatory decision making process.

Primary Source: DEP/Office of Greenways and Trails

Description: The Recreational Trails data layer is based on land trail priorities and opportunities, including those for the Florida National Scenic Trail, identified in the Florida Greenways and Trails System Plan (2015 update). These trails are made up of existing, planned and conceptual non-motorized trails that form a connected set of linear recreational opportunities statewide.

For more information: http://www.dep.state.fl.us/gwt/FGTS_Plan/default.htm.

Sustainable Forestry



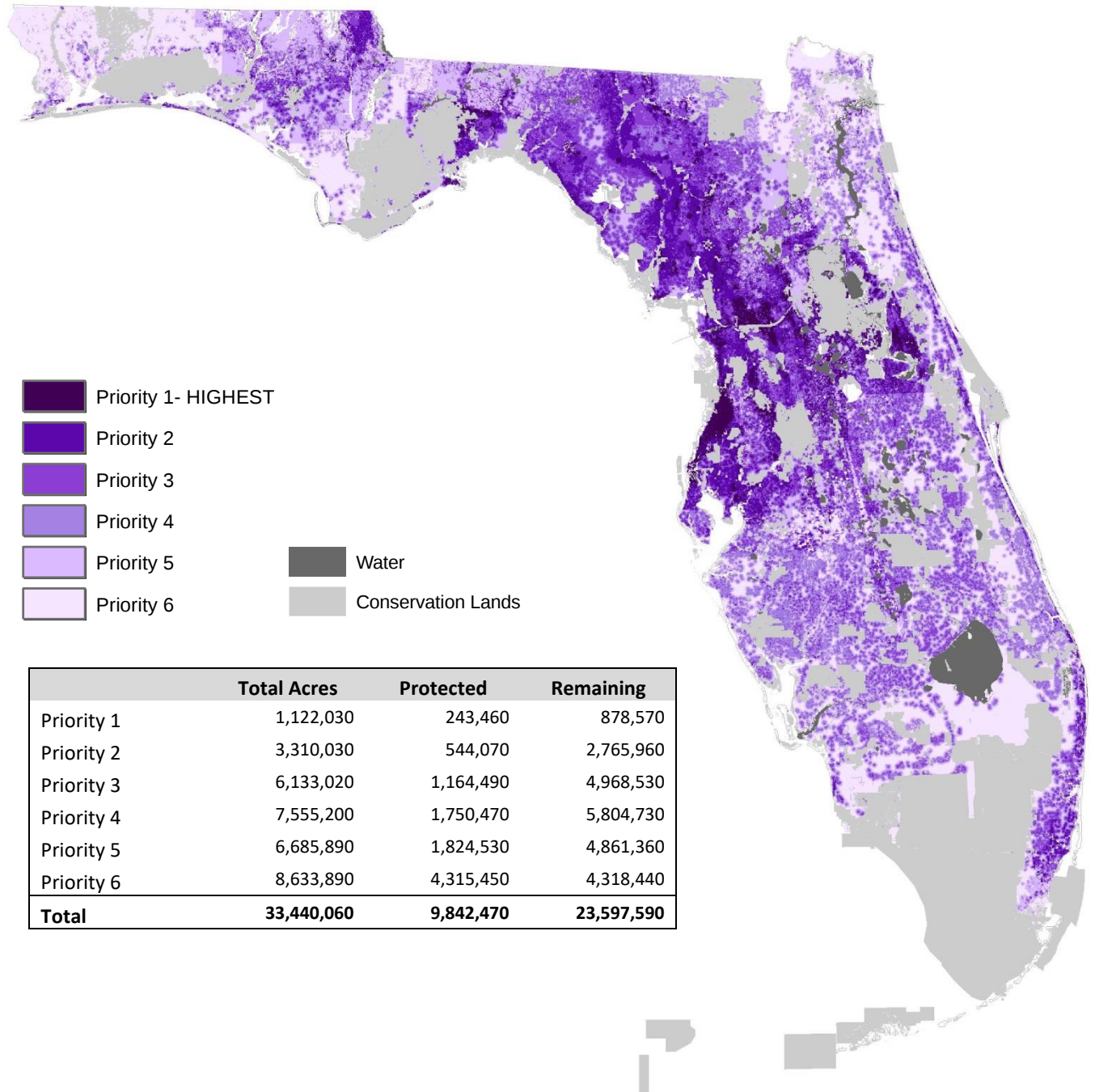
November 2020

The information displayed on this map was developed or provided to address specific performance measures of the Florida Forever program. The data may not be appropriate for general use and are not intended for use in a regulatory decision making process.

Primary Source: Florida Forest Service; Florida Natural Areas Inventory

Description: The Sustainable Forestry data layer identifies existing pinelands (natural and planted) and former pinelands that are potentially available for forest management. Prioritization is based on 4 criteria set by the Florida Forest Service: whether trees are natural or planted, size of tract, distance to market, and hydrology. Large tracts of natural pine on mesic soils (versus very dry or wet) that are within 50 miles of a mill receive the highest priority. Former pinelands that currently do not have trees receive the lowest priority. For more information see the Conservation Needs Assessment Technical Report:

<http://www.fnai.org/FIForever.cfm>.

Groundwater Recharge

- Priority 1- HIGHEST
- Priority 2
- Priority 3
- Priority 4
- Priority 5
- Priority 6

- Water
- Conservation Lands

	Total Acres	Protected	Remaining
Priority 1	1,122,030	243,460	878,570
Priority 2	3,310,030	544,070	2,765,960
Priority 3	6,133,020	1,164,490	4,968,530
Priority 4	7,555,200	1,750,470	5,804,730
Priority 5	6,685,890	1,824,530	4,861,360
Priority 6	8,633,890	4,315,450	4,318,440
Total	33,440,060	9,842,470	23,597,590

November 2020

The information displayed on this map was developed or provided to address specific performance measures of the Florida Forever program. The data may not be appropriate for general use and are not intended for use in a regulatory decision making process.

Primary Source: Advanced Geospatial, Inc.; Florida Natural Areas Inventory

Description: The ground water recharge data layer identifies areas of potential recharge important for natural systems and human use. The data are prioritized based on features that contribute to aquifer vulnerability such as swallets, thickness of the intermediate aquifer confining unit and closed topographical depressions, as well as areas within springshed protection zones and in proximity to public water supply wells. For more information see the Conservation Needs Assessment Technical Report: <http://www.fnai.org/FIForever.cfm>.

Appendix C.

F – TRAC

**Florida Forever
Tool for Efficient Resource Acquisition and Conservation**

**Model Documentation and
Project Evaluation**

Acknowledgments

All of the major decision points in this modeling process received consensus support from a working group of natural resource and conservation experts, who also provided guidance and important insights throughout. The original working group in 2001 – 2003 consisted of Greg Brock, Doria Gordon, Richard Hilsenbeck, Tom Hctor, Fran James, Randy Kautz, Duane Meeter, Reed Noss, David Stoms, Hilary Swain, and Jora Young. In October 2010 and November 2011 the group convened and provided recommendations for some revisions to the F-TRAC methodology. Participants in the 2010 meeting included Greg Brock, Doria Gordon, Hilary Swain, Randy Kautz, Tom Hctor, Robert Christianson, Gary Cochran, Mike Hallock-Solomon, Dennis Hardin, Jim Muller, Beth Stys, and Joe North. Greg Brock, Jim Muller, Randy Kautz, and Tom Hctor participated in the 2011 meeting.

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INTRODUCTION

F-TRAC is an analysis conducted by the Florida Natural Areas Inventory (FNAI) for the Florida Forever environmental land acquisition program. It is based on a computer modeling approach to conservation reserve design known as Iterative Site Selection (ISS). The primary purpose for developing F-TRAC was to provide a concise analysis to evaluate current and potential land acquisition projects for the Florida Forever program. The model approach could be useful for other conservation planning efforts, but the results described here were developed specifically for the needs of Florida Forever, and are not likely to apply to other programs without substantial modifications.

F-TRAC considers seven types of natural resource categories—species, communities, surface waters, wetlands, sustainable forestry, aquifer recharge, and landscape linkages—and identifies a portfolio of sites that efficiently protects those resources. Efficiency is the key to the model; it approaches an optimal solution of the greatest resource protection in a given amount of land. Our analysis resulted in two scenarios: the 2020 Statewide Scenario, which identifies a portfolio of sites throughout the state; and the 2020 on Projects Scenario, which identifies a portfolio of sites only within existing and proposed Florida Forever Projects. Both Scenarios approximate the amount of land likely to be acquired through the twenty-year duration of the Florida Forever program. These scenarios are discussed in more detail below.

F-TRAC is the culmination of efforts by the Florida Natural Areas Inventory to provide scientific support for the Florida Forever program. This effort began with the Florida Forever Conservation Needs Assessment (G. Knight et al. 2000) first produced in December 2000, and since updated on a regular basis (FNAI 2020a). Reports detailing these efforts and other documents relating to the Florida Forever program are available on the FNAI website (www.fnai.org).

The Conservation Needs Assessment includes data layers for 14 natural resource categories corresponding to specific goals and measures established for Florida Forever by the Florida Forever Advisory Council. These goals and measures are closely based on suggested goals for the program set out by the Florida Legislature in the Florida Forever Act (§259.105, F.S.). The Needs Assessment data layers allow FNAI to report progress of the program in terms of ha of resources acquired, and provide a means of evaluating Florida Forever projects based on any single resource. We continue to evaluate projects in this manner using the Single Resource Evaluation (SRE) method (FNAI 2020b).

Despite the utility of the Single Resource Evaluation method, our analysis prior to F-TRAC lacked a method for evaluating a project's overall value for protecting all resources concerned. This can be viewed in terms of both a project's value relative to other projects on the Florida Forever list (needed for prioritizing projects for acquisition), and a project's value relative to the distribution of resources statewide (needed for establishing whether a potential project warrants addition to the list, or whether areas not yet proposed should be considered as projects). F-TRAC addresses both facets in a single evaluation that allows concise reporting and relatively transparent interpretation of results.

To guide our work through the modeling process, we formed a working group of natural resource and reserve design experts. The original group from 2001 – 2003 included 11 members with a broad range of experience from the following organizations: Florida Department of Environmental Protection, Florida State University, The Nature Conservancy, University of Florida, Florida Fish & Wildlife Conservation Commission, University of Central Florida, Archbold Biological Station, and University of California – Santa Barbara. The group reconvened in 2009 – 2011 and was expanded to include Florida

Forestry Service, St. Johns River Water Management District (WMD), Northwest Florida WMD, and experts in the private sector. The working group proved invaluable to the process, and offered critical input and feedback throughout. We were able to achieve expert consensus on virtually all facets of F-TRAC.

As with all models, F-TRAC should be interpreted with appropriate discretion. The results should not be considered a final evaluation of projects for acquisition, but a tool to inform decision-making. No model can fully capture all nuances of a problem. Nevertheless, models such as F-TRAC are powerful because they synthesize a large amount of information in an objective manner, allowing decision-makers to focus on the most critical points of evaluation.

ITERATIVE SITE SELECTION

Iterative Site Selection (ISS) refers to a family of computational algorithms that evaluate large numbers of potential combinations of sites to find a set, or portfolio, that protects the largest amount of resources for the least cost. The algorithms most commonly used are heuristic, meaning that they do not evaluate every possible combination of sites (which is generally not feasible given contemporary computing technology), but proceed through a subset of combinations most likely to include the optimal solution. Each iteration involves the evaluation of one possible portfolio of sites. Generally, if the current portfolio being considered scores “better” than the previous “best” portfolio considered, the current portfolio becomes the “best,” and is compared against others in each future iteration, until a better portfolio is found. Eventually a portfolio is found that cannot be improved upon, and is put forward in the model results as the best solution. Because the algorithms are heuristic, there is no guarantee that the solution found is the optimal solution (best among all possible combinations of sites), but by refining the model parameters through successive runs, users can be confident that the solution offered approaches the optimal solution closely enough for practical purposes.

The software we used to run ISS is known as Marxan, and was developed by Ian Ball and Hugh Possingham at the University of Queensland in Australia (Ball et al. 2009, Ball 2000, Ball and Possingham 2000). Marxan and its predecessor Spexan (also known as Sites, an ArcView user interface for Spexan, Andelman et al. 1999) have been used in many conservation planning studies (e.g. Ardron et al. 2002, Kelley et al. 2002, Leslie et al. 2002, Noss et al. 2002). Marxan offers a number of heuristic algorithms, the most commonly used being Simulated Annealing (Kirkpatrick et al. 1983). Simulated annealing is generally recognized to be the most effective algorithm available for ISS, and is the algorithm we used for all modeling in F-TRAC.

The central equation used to evaluate site portfolios in Marxan is known as the Objective Function. Simply put, the Objective Function is as follows:

$$\text{Score} = \text{Portfolio Cost} + \text{Resource Shortfall Penalty}$$

Score is a unit-less value that the algorithm attempts to minimize. Portfolio Cost is the cost of the selected portfolio in terms of either area (e.g. ha, acres) or dollars. Resource Shortfall Penalty is a penalty received for not meeting conservation targets for resources. Targets are an important element of the model that will be discussed further below. Additional operands can be added to the basic function, such as a cost threshold penalty (penalty for exceeding a set portfolio budget), a boundary modifier (for clustering sites within the portfolio), etc. Basically, as more sites are added to the

portfolio, cost increases while shortfall penalty decreases. The optimal portfolio will contain the most resource features for the least cost.

F-TRAC MODEL INPUTS

Although a variety of parameters can be adjusted in the model, there are six main inputs essential to the process: planning units, conservation features, targets, weights, minimum area threshold, and cost threshold.

Planning Units

An essential feature of ISS modeling is the use of discrete sites, or planning units. These can take a variety of forms, and previous studies have used everything from grids to hexagons to watersheds. The only requirements are that the planning units are mutually exclusive, they have definable area or monetary cost, and that the distribution of resources across planning units is known.

We used hexagons as planning units because we found that the model works better if planning units are of uniform size and shape. From May 2003 – May 2010 we used the smallest hexagons possible given that Marxan version 1.8.7 software does not function correctly with more than approximately 65,000 planning units. For the 2020 Statewide Scenario, which operates on planning units covering the state of Florida, we used hexagons of 220 ha resulting in more than 68,000 planning units. For the 2020 on Projects Scenario, which operates only within the boundaries of unacquired Florida Forever projects, hexagons were 20 ha resulting in ca. 40,000 planning units. The latest version of Marxan (version 2.4.3) does not have the same limitation on number of planning units and in November 2010 we began using 100 ha hexagons for both Statewide (ca. 125,000 planning units) and on Projects (ca. 11,000 planning units) Scenarios so that these two analyses would be more consistent with each other.

An important exception to the regular hexagons was our use of actual boundaries for existing managed areas and Florida Forever projects in the 2020 Statewide Scenario. Contiguous managed areas were dissolved into a single planning unit that was locked into the model portfolio (since they are already protected lands). Managed area boundaries were from the FNAI Florida Managed Areas database as of September 2020.

Using precise managed areas boundaries, together with an irregular coastline, left many of our statewide hexagons in incomplete segments, some of which were tiny slivers. To correct for this, we selected all polygons outside of the managed area units that were smaller than 50 ha, or half the size of the standard planning unit. These small polygons were then dissolved into the smallest adjacent planning unit. The result was that for all planning units outside of managed areas and projects, planning unit size ranges from 50 – 150 ha (with the exception of small isolated planning units, such as outparcels within managed area boundaries, which could not be dissolved into adjacent polygons). As a final detail, any isolated managed areas smaller than 0.5 ha were dissolved into the surrounding hexagon unit and considered unprotected. Likewise, any isolated outparcels smaller than 0.5 ha surrounded by managed areas were dissolved into the surrounding managed area and considered protected. Figure 1 shows a subset of statewide planning units in Northeast Florida, illustrating the standard hexagon units as well as the irregular managed area units.

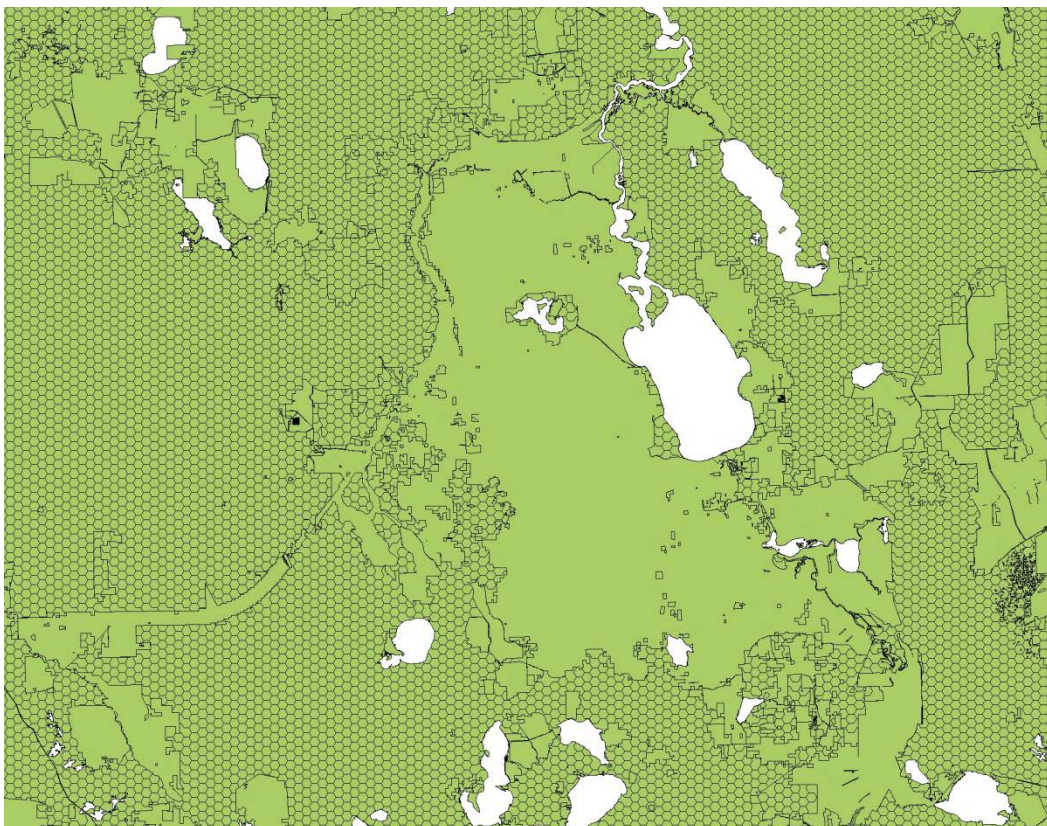


Figure 1. Example of planning units used in the 2020 Statewide Scenario.

All of these manipulations were done to keep planning unit size as uniform as possible, simplify planning unit boundaries, and reduce the total number of planning units. Number of planning units is a significant factor because it is directly related to model running time. Finally, because there is not sufficient statewide land value data for Florida, we used area as our planning unit cost.

Planning Unit Status

Each planning unit is assigned a status that determines how it is evaluated in the final portfolio. Most units are assigned a status of “0” meaning they receive full evaluation in the iterative process and may or may not be selected for a portfolio. Units may also be ‘locked in’ or ‘locked out’ of the final portfolio. Prior to November 2010, managed areas were ‘locked out’ of the on Projects Scenario so that the amount of each conservation feature (i.e resource) that was already protected was not factored into the final portfolio selection. In October 2010, FNAI and the expert working group recognized that the on Projects portfolio should represent areas that most efficiently protect target resources *in addition* to what is already protected. Therefore, beginning in November 2010, the status of managed areas was ‘locked in’ for both Statewide and on Projects scenarios, so that remaining planning units were evaluated in light of the amount of resources already protected. Tribal lands were ‘locked out’ of both Statewide and on Projects scenarios.

Conservation Features

Conservation features are the actual natural resources to be considered in the model. Often they are individual species and natural community occurrences or habitats. If occurrences are used, all planning units having an occurrence of a given species or community will score a 1 for that resource, while other

planning units will score 0. If habitat area is used, planning units are scored in terms of acres or ha of habitat on the planning unit.

For F-TRAC, we were faced with a very different set of conservation features. Rather than individual species or community models, we needed to use the existing Florida Forever Ranking Support Analyses Data Layers derived from the Conservation Needs Assessment data (FNAI 2020a). These data layers were required for two reasons. First, we needed to be able to report model results in terms of the standard data layers being used for all other Florida Forever analysis and reporting. Second, breaking the resource data layers down into individual species habitat models (of which there are about 300) and other individual resource types would have created an impractical number of conservation features (like planning units, the number of conservation features directly influences model running time). As a result, our conservation features represent priority classes of seven different resource types: species, communities, surface waters, wetlands, sustainable forestry, aquifer recharge, and ecological greenways. We did divide the natural community priorities into individual communities, so that we could set targets for each community separately. Several Decision Support Data Layers were further prioritized for input into F-TRAC, including Species, Natural Communities, and Ecological Greenways (described in the Florida Forever Project Ranking Support Analyses Documentation, FNAI 2020b). Table 1 shows these resources broken down into their respective conservation features.

Not all of the Florida Forever Ranking Support Data Layers were included in F-TRAC. Archaeological and Historical Sites, and Recreational Trails did not fit well with the ISS/Marxan modeling environment for various reasons. Cultural sites were not included because cultural resource experts have not identified a method for prioritizing these sites in a quantifiable manner. Recreational Trails were omitted because they are linear rather than area features, and also depend on feature connectivity. All of these resources are still used to evaluate Florida Forever projects using the Single Resource Evaluation method (FNAI 2020b).

Targets

Marxan requires that a target be set for each conservation feature in the model. The target is necessary so that the Resource Shortfall Penalty can be calculated. For each conservation feature, the shortfall penalty is based on the difference between the target for that feature and the actual amount of the feature held in the current portfolio. The penalty is at its maximum if none of the resource is held in the portfolio. If the portfolio includes at least as much of the resource as specified in the target, the shortfall penalty is zero.

Targets for the resources used in F-TRAC were set with consensus of our expert work group, and are shown in Table 1. These are working targets set by informed expert opinion. They are not acquisition targets, and were not set with the acquisition scope of Florida Forever in mind. Rather, the experts considered an ideal conservation scenario for Florida. The targets are set higher for higher priority resources, as these represent the rarest and most sensitive and/or highest quality resources that will likely require managed area protection in order to persist. Also, the targets were not set with current protection status in mind. Some lower priority resources already have more area protected than prescribed by the target (e.g. pine flatwoods, surface waters 4 - 6, wetland/floodplain 5-6, forestry 4-5, recharge 3 – 6). To keep those conservation features as factors in the model, we added an additional 5 percent of the original target ha for those resources to the final target used in the model (as shown in the Target Ha column).

Table 1. Conservation Features, Targets, and Weights Used in F-TRAC in November 2020

Conservation Feature	Total ha	Protected ha	% Protected	Target (% Total ha)	Target (unprotected ha only)	Target (incl. protected)	2020 Weight
species 1 Wide-ranging	119,655	65,977	55%	50%	2,991	59,828	49
species 2 Wide-ranging	42,934	20,514	48%	50%	952	21,467	25
species 3 Wide-ranging	2,477,905	1,371,330	55%	40%	49,558	991,162	9
species 4 Wide-ranging	1,588,809	239,596	15%	25%	157,606	397,202	1
species 5 Wide-ranging	1,041,633	89,779	9%	13%	40,425	130,204	0.5
species 6 Wide-ranging	885,207	65,577	7%	10%	22,943	88,521	0.25
species 1 Standard	803,077	527,082	66%	98%	259,934	787,015	100
species 2 Standard	586,177	480,333	82%	98%	94,120	574,453	64
species 3 Standard	1,346,152	1,026,565	76%	80%	50,356	1,076,921	36
species 4 Standard	655,056	411,458	63%	50%	16,376	327,528	16
species 5 Standard	49,135	4,410	9%	25%	7,874	12,284	9
species 6 Standard	32,566	5,940	18%	10%	163	3,257	4
upland glade- Very High	14	1	8%	98%	13	14	100
pine rockland- Very High	6,836	6,509	95%	98%	190	6,699	100
pine rockland- High	3	2	60%	75%	0	2	56
scrub- Very High	191,309	148,040	77%	95%	33,703	181,743	81
scrub- High	11,541	1,812	16%	75%	6,844	8,656	42
scrub- Moderate	2,481	373	15%	50%	868	1,241	25
rockland hammock-k Very High	7,300	6,430	88%	95%	505	6,935	81
rockland hammock- High	319	166	52%	75%	73	239	42
rockland hammock- Moderate	109	93	86%	50%	3	54	25
dry prairie- Very High	59,193	41,551	70%	95%	14,682	56,233	81
dry prairie- High	3,274	631	19%	75%	1,825	2,456	42
dry prairie- Moderate	26	8	32%	50%	5	13	25
seepage slope- Very High	1,575	1,564	99%	95%	75	1,496	81
coastal lakes- Very High	502	211	42%	80%	191	402	36
coastal lakes- High	54	0	0%	67%	36	36	20
coastal uplands- Very High	22,701	18,608	82%	80%	908	18,161	36
coastal uplands- High	1,126	416	37%	67%	339	754	20
coastal uplands- Moderate	22	7	33%	40%	1	9	9
sandhill- Very High	283,742	198,599	70%	95%	70,956	269,555	36
sandhill- High	45,827	9,985	22%	75%	24,386	34,370	20
sandhill- Moderate	6,161	692	11%	50%	2,388	3,081	9

Florida Forever Project Ranking Support Analyses – Appendix C

sandhill lake- Very High	16,679	5,158	31%	95%	10,687	15,845	36
sandhill lake- High	5,495	106	2%	75%	4,015	4,122	20
sandhill lake- Moderate	1,117	12	1%	50%	546	559	9
upland pine- Very High	84,343	66,824	79%	95%	13,302	80,126	36
upland pine- High	4,388	2,411	55%	75%	880	3,291	20
upland pine- Moderate	366	10	3%	50%	173	183	9
pine flatwoods- Very High	811,576	509,082	63%	50%	20,289	405,788	16
pine flatwoods- High	123,894	19,257	16%	33%	21,628	40,885	12
pine flatwoods- Moderate	28,083	2,013	7%	25%	5,008	7,021	4
upland hardwood- Very High	44,285	14,179	32%	25%	554	11,071	16
upland hardwood- High	32,684	873	3%	15%	4,029	4,903	12
upland hardwood- Moderate	4,173	153	4%	10%	264	417	4
surface waters 1	1,143,718	673,826	59%	90%	355,520	1,029,346	81
surface waters 2	2,221,541	1,587,730	71%	70%	77,754	1,555,079	64
surface waters 3	762,099	204,991	27%	50%	176,059	381,049	49
surface waters 4	3,476,284	1,221,301	35%	30%	52,144	1,042,885	25
surface waters 5	1,574,980	194,062	12%	10%	7,875	157,498	9
surface waters 6	2,315,921	336,465	15%	5%	5,790	115,796	1
surface waters 7	904,801	46,787	5%	5%	2,262	45,240	0.25
wetlands/floodplain 1	1,952,691	1,781,578	91%	90%	87,871	1,757,422	81
wetlands/floodplain 2	1,152,062	735,954	64%	70%	70,489	806,443	49
wetlands/floodplain 3	1,210,163	384,231	32%	50%	220,851	605,081	25
wetlands/floodplain 4	1,328,873	173,194	13%	30%	225,468	398,662	9
wetlands/floodplain 5	440,220	49,475	11%	10%	2,201	44,022	1
wetlands/floodplain 6	690,699	51,635	7%	5%	1,727	34,535	0.25
forestry 1	671,009	336,186	50%	60%	66,420	402,605	81
forestry 2	897,614	388,902	43%	55%	104,786	493,688	49
forestry 3	1,951,296	558,155	29%	35%	124,799	682,954	25
forestry 4	15,748	8,451	54%	15%	118	2,362	9
forestry 5	1,908,820	205,323	11%	10%	9,544	190,882	0.25
recharge 1	453,008	98,400	22%	50%	128,103	226,504	49
recharge 2	1,336,071	220,129	16%	25%	113,888	334,018	25
recharge 3	2,475,025	471,178	19%	10%	12,375	247,503	9
recharge 4	3,049,132	708,258	23%	5%	7,623	152,457	4
recharge 5	2,694,188	738,256	27%	3%	4,041	80,826	1
recharge 6	3,480,813	1,746,454	50%	1%	1,740	34,808	0.25
greenways critical linkage 1	222,172	11,182	5%	80%	166,555	177,738	49
greenways critical linkage 2	283,769	9,858	3%	60%	160,403	170,261	25

greenways critical linkage 3	294,654	5,463	2%	40%	112,399	117,862	9
greenways critical linkage 4	280,485	3,857	1%	20%	52,240	56,097	1
greenways critical linkage 5	194,887	1,916	1%	10%	17,573	19,489	0.5
greenways critical linkage 6	131,688	938	1%	5%	5,646	6,584	0.25

Weights

Whereas targets tell the model how much of a resource to search for in assembling a portfolio, weights tell the model how hard to search for that resource compared to other conservation features. In model terms, the weight acts as a multiplier on the shortfall between a conservation feature's target and amount held in a portfolio. The higher the weight, the greater the penalty for not meeting the target. Weights are most important when model parameters are set so that not all targets can be met. In such a case weights prioritize which conservation features will come closest to meeting their targets.

As with targets, the weights used in F-TRAC, shown in Table 1, were set with the consensus of our expert workgroup. The weights used were originally based on weights developed for the Single Resource Evaluation, with adjustments made to fit the modeling environment. The weights began as a 10-point scale, but these were squared in order to calibrate them to the model. In general, weights were set based on resource priority (higher priority, higher weight) and the characteristics of each resource class.

Minimum Area

With some resource types it is desirable to establish a minimum area threshold; that is, to get credit for protecting the resource the project must contain a minimum number of acres of that resource. Minimum area is not a required model input. Although Marxan is set up to handle minimum area thresholds, we were unable to get this function to work properly in an early version of the software. Instead we manually adjusted the amount of resource per hexagon in the conservation feature input file of the On Projects scenario. If the minimum area threshold was not met for the entire Florida Forever project (including areas already acquired plus remaining areas in the project), all hexagons that occurred within the remaining area of that project were assigned a zero value for that resource. These adjustments were made prior to running the 2020 On Projects scenario. The minimum area thresholds are shown in Table 2.

Table 2. Minimum area thresholds applied in F-TRAC On Projects scenario.

Conservation Feature	Minimum Area (acres)
pine flatwoods	50
watershed 1	500
watershed 2	500
watershed 3	1000
watershed 4	1000
watershed 5	1000
watershed 6	1000
watershed 7	1000
forestry 1	500
forestry 2	1000

forestry 3	1000
forestry 4	1000
forestry 5	1000

Cost Threshold

Cost Threshold is not a required model input, but is needed if the model scenario is to be based on a limited budget or land area. The cost threshold takes the form of a penalty added to the objective function (increasing the portfolio score) if the portfolio exceeds the threshold. For the 2020 scenarios, the aim was to set a cost threshold so that the final portfolio would equal the amount of land likely to be acquired through the Florida Forever program. Prior to 2016 we used estimates based on projections from the Florida Department of Environmental Protection that approximately 824,600 acres could be acquired on Florida Forever Board of Trustees (FFBOT) projects from July 2008-2021 assuming full Florida Forever funding throughout that time. Of that total, 496,178 acres have been acquired (July 2001 – Sept 2020), leaving an estimated acreage of 328,422 acres that could potentially be acquired during the remaining legislative authorization of the program (through FY 2010-21). Due to uncertainties of this estimate, beginning in 2016 we used a threshold of 500,000 acres as the amount of land to be identified by the current F-TRAC 2020 scenarios.

MODEL RESULTS

In the course of model development we ran dozens of scenarios to determine the effect of different parameter settings. Some scenarios were designed to test model sensitivity and optimize the model result, while others focused on alternative conservation scenarios. One of the more important sensitivity tests was conducted to determine the effect of increasing the number of iterations in each model run. Typical uses of Marxan set the number of iterations to 1 million for cases of around 10,000-15,000 planning units (D. Stoms, personal communication), while the largest study we found used 10 million iterations for a case involving 32,000 planning units (Ardrón et al., 2002, J. Ardrón, personal communication). We ran several tests to determine the appropriate number of iterations for a case of 44,000 planning units. Figure 2 shows the results of our tests.

These results indicate that the model score could be substantially reduced by increasing the number of iterations beyond 10 million. The results show diminishing returns with increasing iterations, and due to the amount of time required to run the model we chose 1 billion iterations as our final setting. These tests also showed that increasing the number of model runs (with the same number of iterations) has much less effect on the final score than increasing iterations (with the same number of runs). We plan to conduct additional sensitivity tests with the current set of 120,000 planning units.

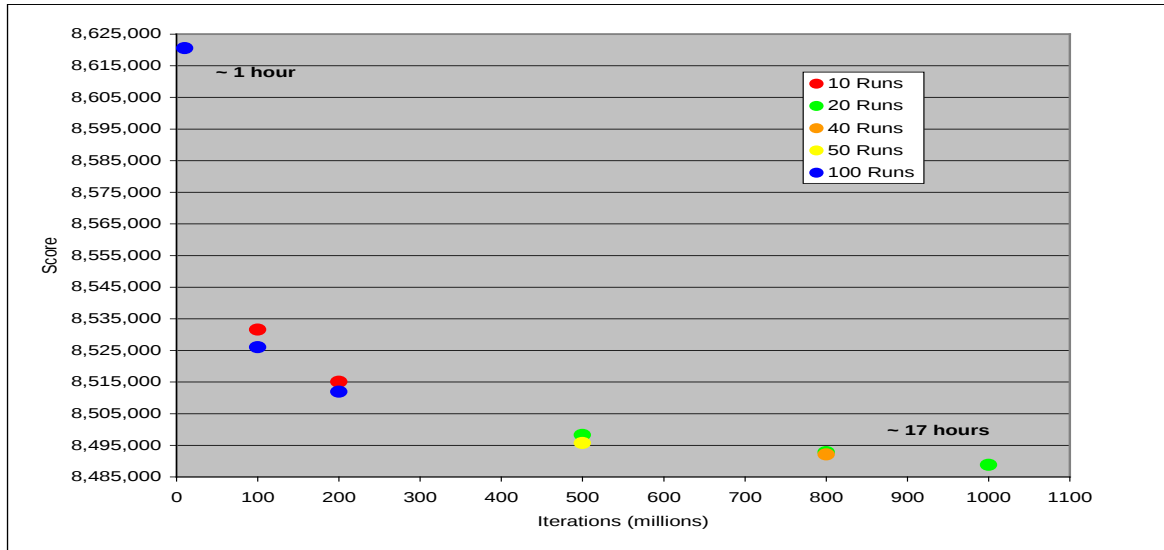


Figure 2. Effect of iterations vs. runs on model results

2020 Statewide Scenario

As noted above, the purpose of the 2020 Statewide scenario was to identify a portfolio of lands statewide with a total area limited to the amount of land expected to be acquired on Florida Forever BOT projects through the 20-year duration of the program. Table 3 lists the amount of each conservation feature included in the portfolio. With conservation lands excluded, the portfolio consists of 202,343 ha which approximates the cost threshold described above.

Not all targets could be achieved in the 2020 Scenario, but many targets were exceeded. These “surplus” ha were due to overlap between these resources and other resources whose targets the model was still trying to achieve. Also note that lower priority resources tended to come closer to meeting their targets. This is due to the fact that lower priorities generally had lower targets to begin with.

2020 On Projects Scenario

The purpose of the 2020 On Projects scenario was to identify a portfolio of lands within the unacquired portions of Florida Forever BOT projects with a total area limited to the amount of land expected to be acquired on Florida Forever BOT projects through the 20-year duration of the program. Table 3 lists the amount of each conservation feature included in the portfolio.

Table 3. Resources included in the 2020 Statewide and On Projects Scenarios in November 2020

Conservation Feature	2020 Statewide Portfolio					2020 On Projects Portfolio			
	Total Resource Ha Statewide	Ha in Portfolio (includes protected)	Percent of Total Resource	Percent of Target		Total Resource Ha On Projects	Ha in Portfolio (excludes protected)	Percent of Resource On Projects that is in Portfolio	Percent of Target
species 1 Wide-ranging	119,655	68,969	58%	100%		14,300	69,709	7%	101%
species 2 Wide-ranging	42,934	22,394	52%	104%		9,658	25,967	24%	121%
species 3 Wide-ranging	2,477,905	1,394,415	56%	98%		282,922	1,437,567	6%	101%
species 4 Wide-ranging	1,588,809	255,237	16%	64%		163,791	266,760	2%	67%
species 5 Wide-ranging	1,041,633	107,073	10%	82%		101,841	107,338	2%	82%
species 6 Wide-ranging	885,207	81,949	9%	93%		53,178	74,308	1%	84%
species 1 Standard	803,077	547,394	68%	70%		59,544	553,242	9%	70%
species 2 Standard	586,177	487,490	83%	85%		21,459	490,933	10%	85%
species 3 Standard	1,346,152	1,045,825	78%	97%		54,229	1,046,683	6%	97%
species 4 Standard	655,056	426,796	65%	100%		31,085	424,158	5%	99%
species 5 Standard	49,135	9,492	19%	77%		2,352	6,661	5%	54%
species 6 Standard	32,566	7,836	24%	128%		3,250	7,724	7%	127%
upland glade Very High	14	14	100%	102%		7	8	54%	59%
pine rockland Very High	6,836	6,699	98%	100%		80	6,588	24%	98%
pine rockland High	3	2	76%	101%		0	2	2%	81%
scrub- Very High	191,309	157,198	82%	86%		9,467	154,139	14%	85%
scrub- High	11,541	8,111	70%	94%		465	2,272	5%	26%
scrub- Moderate	2,481	1,241	50%	100%		7	380	0%	31%
rockland hammock Very High	7,300	6,935	95%	100%		434	6,864	50%	99%
rockland hammock High	319	239	75%	100%		34	200	22%	84%
rockland hammock Moderate	109	96	88%	100%		0	93	0%	97%
dry prairie Very High	59,193	56,233	95%	100%		11,671	53,060	65%	94%
dry prairie High	3,274	2,456	75%	100%		715	1,385	29%	56%
dry prairie Moderate	26	23	89%	177%		0	8	0%	64%
seepage slope Very High	1,575	1,574	100%	96%		0	1,564	0%	95%
coastal lakes Very High	502	403	80%	100%		1	212	0%	53%
coastal lakes High	54	38	71%	106%		0	0	0%	0%
coastal uplands Very High	22,701	19,516	86%	100%		385	18,949	8%	97%
coastal uplands High	1,126	754	67%	100%		7	422	1%	56%
coastal uplands Moderate	22	11	50%	126%		0	7	0%	84%
sandhill Very High	283,742	205,676	72%	76%		11,125	205,820	8%	76%
sandhill High	45,827	17,231	38%	50%		366	10,270	1%	30%
sandhill Moderate	6,161	3,081	50%	100%		5	697	0%	23%
sandhill lake Very High	16,679	12,503	75%	79%		1,712	7,504	20%	47%
sandhill lake High	5,495	4,121	75%	100%		13	824	13%	20%
sandhill lake Moderate	1,117	559	50%	100%		0	87	7%	16%
upland pine Very High	84,343	69,055	82%	86%		4,836	70,412	20%	88%
upland pine High	4,388	3,291	75%	100%		67	2,473	3%	75%
upland pine Moderate	366	186	51%	101%		0	10	0%	5%
pine flatwoods Very High	811,576	514,300	63%	97%		76,145	529,628	7%	100%
pine flatwoods High	123,894	21,177	17%	52%		5,659	20,680	1%	51%
pine flatwoods Moderate	28,083	2,611	9%	37%		12	2,017	0%	29%
upland hardwood Very High	44,285	14,901	34%	101%		2,464	14,732	2%	100%
upland hardwood High	32,684	4,903	15%	100%		214	1,037	1%	21%
upland hardwood Moderate	4,173	418	10%	100%		8	162	0%	39%
surface waters 1	1,143,718	682,721	60%	66%		75,188	688,708	3%	67%

surface waters 2	2,221,541	1,607,896	72%	97%	95,703	1,617,348	5%	97%
surface waters 3	762,099	211,967	28%	56%	50,804	219,665	3%	58%
surface waters 4	3,476,284	1,279,151	37%	100%	296,688	1,300,372	4%	102%
surface waters 5	1,574,980	211,735	13%	105%	123,141	215,574	2%	107%
surface waters 6	2,315,921	378,753	16%	111%	157,577	368,662	2%	108%
surface waters 7	904,801	68,963	8%	141%	58,646	57,852	1%	118%
wetlands 1	1,952,691	1,791,757	92%	96%	64,727	1,801,849	12%	96%
wetlands 2	1,152,062	753,877	65%	93%	103,748	770,704	8%	96%
wetlands 3	1,210,163	399,580	33%	66%	152,434	418,549	4%	69%
wetlands 4	1,328,873	191,123	14%	48%	142,627	201,622	2%	51%
wetlands 5	440,220	56,317	13%	109%	30,633	55,252	1%	107%
wetlands 6	690,699	56,415	8%	106%	11,667	53,006	0%	99%
forestry 1	671,009	342,327	51%	85%	70,013	355,896	6%	88%
forestry 2	897,614	405,799	45%	82%	107,914	413,733	5%	84%
forestry 3	1,951,296	594,535	30%	87%	166,753	601,557	3%	88%
forestry 4	15,748	8,702	55%	102%	1,965	9,087	9%	106%
forestry 5	1,908,820	223,974	12%	104%	102,375	226,684	1%	105%
recharge 1	453,008	137,209	30%	61%	15,307	107,899	3%	48%
recharge 2	1,336,071	259,250	19%	78%	47,032	236,757	1%	71%
recharge 3	2,475,025	516,477	21%	107%	153,293	513,701	2%	106%
recharge 4	3,049,132	759,713	25%	106%	229,277	779,404	3%	109%
recharge 5	2,694,188	774,874	29%	104%	202,839	796,551	3%	107%
recharge 6	3,480,813	1,773,566	51%	101%	207,301	1,783,979	2%	102%
greenways critical linkage 1	222,172	42,419	19%	24%	89,406	96,436	40%	54%
greenways critical linkage 2	283,769	25,547	9%	15%	99,533	62,461	19%	37%
greenways critical linkage 3	294,654	13,178	4%	11%	83,080	20,150	5%	17%
greenways critical linkage 4	280,485	7,949	3%	14%	79,339	9,961	2%	18%
greenways critical linkage 5	194,887	5,657	3%	29%	49,378	6,456	2%	33%
greenways critical linkage 6	131,688	3,817	3%	58%	26,069	4,085	2%	62%

EVALUATING FLORIDA FOREVER PROJECTS

The main purpose of the F-TRAC analysis is to provide a comprehensive means of evaluating current and potential Florida Forever projects across several resource types. The 2020 Statewide scenario provides a picture of what the program could achieve under optimal conditions. We recognize that the achievements of the statewide scenario may not translate into realistic goals for the Florida Forever program. Not all landowners falling within the statewide portfolio will be willing sellers, for example, and of course not all natural resources were included in the model. But the scenario is a reasonable (and challenging) benchmark by which to compare actual program accomplishments.

The 2020 On Projects scenario evaluates planning units only within existing and proposed Florida Forever projects (remaining ha only) for the best places to acquire resources. An evaluation of projects based on this scenario provides a means of comparing projects relative to one another but does not provide a statewide context.

Because Iterative Site Selection works through random sets of planning units to assemble a portfolio that approaches an optimal collection of resources, each model run will achieve slightly different results. The standard procedure therefore is to include multiple runs for each scenario (as discussed in the documentation below). Marxan also provides a “summed solutions” result, tabulating how many times each planning unit was included in the best portfolio for each run. This statistic has been used by other

modelers as a measure of “irreplaceability” of planning units (Ardron et al. 2002; Noss et al. 2002), and is considered to be more robust than using the single best portfolio from one run.

Our final 2020 Scenarios included 50 runs of 1 billion iterations each. We grouped the planning units into six classes based on the number of runs in which they were included in each portfolio. Table 4 provides details of how planning units were grouped. To evaluate Florida Forever projects, we treated the six planning unit classes the same as priority classes of one of our original Ranking Support Analyses Data Layers, and scored the projects using the “weighted score” method (described in FNAI 2020b). Weights are shown in Table 4.

Table 4. How planning units in 2020 Scenarios were classed and weighted for project evaluation.

Summed Solutions Class	Number of Runs	Project Scoring Weight
Class 1	50	10
Class 2	40-49	8
Class 3	30-39	6
Class 4	20-29	4
Class 5	10-19	2
Class 6	1-9	1

Finally, the projects were broken into five groups for concise scoring on the Florida Forever Project Comparative Analysis. The breaks differed for the Statewide versus On Projects evaluation. Because the statewide portfolio planning units were not limited to Florida Forever project boundaries the scores overall were much lower than with the On Projects portfolio. Because the On Projects F-TRAC is intended to evaluate projects relative to each other we set the breaks based a comparison of the cost threshold to the total acres on the list. The 2020 cost threshold of 500,000 acres was approximately 22.4% of the total remaining acres of projects in 2020; thus we expect an ‘average’ or medium ranked project to score at least 2.24. The breaks for the On Projects evaluation were set based on this rationale. The project groups as determined by scoring breaks for each scenario are shown in Table 5. Table 6 shows the final scoring and group of Florida Forever projects for the November 2020 evaluation.

Table 5. Project group based on scoring breaks for Statewide and On Projects Scenarios

Project Group	Scoring Breaks for Statewide Scenario	Scoring Breaks for On Projects Scenario
Very High	≥2.50	≥6.72
High	1.00-2.49	4.48-6.71
Medium	0.20-0.99	2.24-4.47
Medium-Low	0.01-0.19	0.01-2.23
Low to None	0	0

Table 6. Project scores and final grouping for Florida Forever Evaluation Summary Table, November 2020

Project	2020 Statewide Scenario		2020 on Projects Scenario	
	Score	Final Grouping	Score	Final Grouping
Adams Ranch	1.713	H	7.190	VH
Annettella Hammock	2.184	H	4.094	M
Apalachicola River	0.427	M	2.395	M
Arbuckle Creek Watershed	0.000	L	0.000	L
Archie Carr Sea Turtle Refuge	3.998	VH	8.011	VH

Atlantic Ridge Ecosystem	0.037	ML	0.037	ML
Ayavalla Plantation	0.000	L	0.000	L
Baldwin Bay/St. Marys River	0.000	L	0.000	L
Battle of Wahoo Swamp	0.000	L	0.000	L
Bear Creek Forest	0.000	L	0.680	ML
Bear Hammock	0.000	L	3.987	M
Belle Meade	0.688	M	1.212	ML
Big Bend Swamp/Holopaw Ranch	0.000	L	1.868	ML
Blue Head Ranch	3.514	VH	6.405	H
Bluefield to Cow Creek	0.000	L	0.000	L
Bombing Range Ridge	4.523	VH	7.603	VH
Brevard Coastal Scrub Ecosystem	0.281	M	2.147	ML
Caloosahatchee Ecoscape	0.000	L	0.385	ML
Camp Blanding to Raiford Greenway	0.000	L	0.743	ML
Carr Farm/Price's Scrub	0.000	L	0.000	L
Catfish Creek	0.019	ML	1.829	ML
Charlotte Harbor Estuary	0.128	ML	1.440	ML
Charlotte Harbor Flatwoods	0.007	ML	0.121	ML
Clear Creek/Whiting Field	0.214	M	2.495	M
Coastal Headwaters Longleaf Forest	0.000	L	0.544	ML
Conlin Lake X	0.000	L	0.000	L
Corkscrew Regional Ecosystem Watershed	1.248	H	3.492	M
Corrigan Ranch	7.291	VH	9.977	VH
Coupon Bight/Key Deer	4.275	VH	5.893	H
Crayfish Habitat Restoration	0.000	L	0.000	L
Crossbar/Al Bar Ranch	0.000	L	1.092	ML
Dade County Archipelago	4.870	VH	6.621	H
Devil's Garden	0.036	ML	2.318	M
Dickerson Bay/Bald Point	0.026	ML	1.845	ML
Eastern Scarp Ranchlands	1.225	H	3.466	M
Econfina Timberlands	0.000	L	0.000	L
Etoniah/Cross Florida Greenway	0.203	M	2.315	M
Fisheating Creek Ecosystem	0.887	M	4.515	H
Flagler County Blueway	0.401	M	2.211	ML
Florida Keys Ecosystem	3.754	VH	6.960	VH
Florida Springs Coastal Greenway	0.010	ML	2.118	ML
Florida's First Magnitude Springs	1.305	H	5.501	H
Forest and Lakes Ecosystem	0.908	M	3.194	M
Garcon Ecosystem	0.000	L	0.401	ML
Green Swamp	0.000	ML	0.077	ML
Gulf Hammock	0.000	L	2.127	ML
Half Circle L Ranch	1.881	H	7.337	VH
Hall Ranch	0.000	L	0.327	ML
Hardee Flatwoods	0.000	L	2.164	ML
Heather Island/Ocklawaha River	0.000	L	0.015	ML
Hixtown Swamp	0.000	L	0.000	L
Horse Creek Ranch	0.000	L	0.000	L
Hosford Chapman's Rhododendron Protection Zone	0.000	L	0.000	L
Ichetucknee Trace	0.017	ML	3.778	M
Indian River Lagoon Blueway	0.240	M	1.379	ML

Kissimmee-St. Johns River Connector	1.264	H	4.250	M
Lafayette Forest	0.000	L	0.492	ML
Lake Hatchineha Watershed	0.000	L	0.000	L
Lake Santa Fe	0.000	L	0.000	L
Lake Wales Ridge Ecosystem	1.925	H	5.844	H
Limestone Ranch	0.000	L	0.000	L
Little River Conservation Area	0.000	L	0.000	L
Lochloosa Forest	0.000	L	0.000	L
Lochloosa Wildlife	0.000	L	0.000	L
Longleaf Pine Ecosystem	0.207	M	6.824	VH
Lower Perdido River Buffer	0.000	L	0.000	L
Lower Suwannee River and Gulf Watershed	0.099	ML	5.419	H
Matanzas to Ocala Conservation Corridor	0.000	L	0.015	ML
Maytown Flatwoods	0.001	ML	8.744	VH
Middle Chipola River	0.000	L	1.190	ML
Mill Creek	0.000	L	0.000	L
Millstone Plantation	0.000	L	0.000	L
Myakka Ranchlands	0.267	M	0.488	ML
Natural Bridge Creek	0.000	L	0.000	L
North Waccasassa Flats	0.000	L	0.000	L
Northeast Florida Blueway	0.023	ML	0.571	ML
Northeast Florida Timberlands and Watershed Reserve	0.019	ML	0.767	ML
Ochlockonee River Conservation Area	0.000	L	0.441	ML
Old Town Creek Watershed	0.000	L	3.969	M
Osceola Pine Savannas	0.018	ML	5.472	H
Pal-Mar	0.000	L	0.000	L
Panther Glades	0.592	M	2.506	M
Peace River Refuge	0.000	L	0.000	L
Perdido Pitcher Plant Prairie	0.000	L	0.000	L
Pierce Mound Complex	0.000	ML	0.000	L
Pine Island Slough Ecosystem	1.554	H	3.967	M
Pineland Site Complex	0.000	L	0.000	L
Pinhook Swamp	0.003	ML	6.624	H
Pringle Creek Forest	0.000	L	0.000	L
Pumpkin Hill Creek	0.135	ML	0.241	ML
Raiford to Osceola Greenway	0.008	ML	1.366	ML
Rainbow River Corridor	0.166	ML	8.181	VH
Ranch Reserve	0.010	ML	6.402	H
Red Hills Conservation	0.541	M	6.328	H
San Felasco Conservation Corridor	0.000	L	0.000	L
San Pedro Bay	0.000	L	0.018	ML
Sand Mountain	3.498	VH	7.260	VH
Save Our Everglades	2.460	H	7.858	VH
Seven Runs Creek Final Phase	0.522	M	6.549	H
Shoal River Buffer	0.000	ML	0.000	L
South Goethe	2.074	H	5.792	H
South Walton County Ecosystem	0.181	ML	4.582	H
Southeastern Bat Maternity Caves	0.000	L	1.291	ML
Spruce Creek	2.240	H	9.291	VH

St. Joe Timberland	0.021	ML	0.587	ML
St. Johns River Blueway	0.000	ML	0.000	ML
Strategic Managed Area Lands List	0.068	ML	3.731	M
Suwannee County Preservation	0.000	L	0.000	L
Taylor Sweetwater Creek	0.075	ML	2.079	ML
Telogia Creek	0.000	L	0.000	L
Terra Ceia	0.000	ML	2.716	M
Tiger Island/Little Tiger Island	0.000	L	0.000	L
Triple Diamond	5.226	VH	6.720	H
Twelvemile Slough	0.347	M	3.613	M
Upper Shoal River	0.000	L	1.424	ML
Volusia Conservation Corridor	0.023	ML	4.117	M
Wacissa/Aucilla River Sinks	0.000	L	4.181	M
Wakulla Springs Protection Zone	1.112	H	7.762	VH
Watermelon Pond	0.000	L	4.973	H
Wekiva-Ocala Greenway	1.487	H	3.403	M
Welannee Watershed Forest	0.000	L	1.008	ML
West Aucilla River Buffer	0.000	L	0.000	L
West Bay Preservation Area	0.000	L	0.000	L
Withlacoochee River Corridor	0.000	L	1.571	ML
Wolfe Creek Forest	0.000	L	0.000	L

In summary, F-TRAC is a valuable tool to help decision makers evaluate a large amount of natural resource data in a concise format. We reiterate here that F-TRAC does not represent a final acquisition plan for the state of Florida, but is a tool to inform those who must make the final decisions regarding land acquisition projects. Also, F-TRAC is designed to be the primary tool to evaluate Florida Forever projects, but should be used in conjunction with the Florida Forever Single Resource Evaluation, and any other relevant information not captured by quantitative natural resource data.

REFERENCES

- Andelman, S., I. Ball, F. Davis, and D. Stoms. 1999. Sites V 1.0: An Analytical Toolbox for Designing Ecoregional Conservation Portfolios. Manual prepared for The Nature Conservancy.
- Ardron, J.A., J. Lash, and D. Haggarty. 2002. Modelling a network of marine protected areas for the central coast of BC, Version 3.1. Living Oceans Society. Sointula, BC, Canada.
- Ball, I.R. 2000. Mathematical applications for conservation ecology: the dynamics of tree hollows and the design of nature reserves. PhD Thesis, The University of Adelaide.
- Ball, I. R. and H. Possingham. 2000. Marxan (v1.8.2): Marine Reserve Design using Spatially Explicit Annealing. Manual prepared for The Great Barrier Reef Marine Park Authority.
- Ball, I.R., H.P. Possingham, and M. Watts. 2009. Marxan and relatives: Software for spatial conservation prioritisation. Chapter 14: Pages 185-195 in [Spatial conservation prioritisation: Quantitative methods and computational tools](#). Eds Moilanen, A., K.A. Wilson, and H.P. Possingham. Oxford University Press, Oxford, UK.
- Florida Natural Areas Inventory. 2020a. Florida Forever Conservation Needs Assessment Technical Report, Version 4.5. Florida Natural Areas Inventory. Tallahassee, FL.
- Florida Natural Areas Inventory. 2020b. Florida Forever Project Ranking Support Analyses Documentation. Florida Natural Areas Inventory. Tallahassee, FL.
- Kelley, C., J. Garson, A. Aggarwal, and S. Sarkar. 2000. Place prioritization for biodiversity reserve network design: a comparison of SITES and ResNet software packages for coverage and efficiency. *Diversity and Distributions*, 8, 297-306.
- Kirkpatrick, S., C.D. Gelatt, Jr., and M.P. Vecchi. 1983. Optimization by simulated annealing. *Science*, 220(4598), 671-680.
- Knight, G., J. Oetting, and A. Knight. 2000. Florida Forever Conservation Needs Assessment Summary Report. Florida Natural Areas Inventory. Tallahassee, FL.
- Leslie, H., R. Ruckelshaus, I. R. Ball, S. Andelman, and H. P. Possingham. 2002. Using siting algorithms in the design of marine reserve networks. *Ecological Applications*, 13(1), S185-S198.
- Noss, R.F., C. Carroll, K. Vance-Borland, and G. Wuerthner. 2002. A multicriteria assessment of the irreplaceability and vulnerability of sites in the Greater Yellowstone ecosystem. *Conservation Biology*, 16(4), 895-908.

SUB-APPENDIX A

Marxan Input Parameters for November 2020 F-TRAC Scenarios

2020 Statewide Scenario

Number of Planning Units:	123,022
Runs:	50
Boundary Modifier:	0
Run Options:	Simulated Annealing only
Iterations:	1,000,000,000
Temperature Decreases:	10,000
Annealing Schedule:	Adaptive
Cost Threshold:	5,322,463 ha
Penalty Factor A:	2775
Penalty Factor B:	0.01
Starting Proportion:	0.01
Random Seed:	No

2020 On Projects Scenario

Number of Planning Units:	11,793 (excludes 'locked out' units outside of FFBOT remaining areas from original set of 123,022)
Runs:	50
Boundary Modifier:	0
Run Options:	Simulated Annealing only
Iterations:	1,000,000,000
Temperature Decreases:	10,000
Annealing Schedule:	Adaptive
Cost Threshold:	5,322,463 ha
Penalty Factor A:	1881
Penalty Factor B:	0.01
Starting Proportion:	0.01
Random Seed:	no

**Appendix D. Results of Project Ranking Support Analyses for Addtional Criteria and Measures:
Urban Service Areas, Flood Protection, Sea Level Rise, Restoration, Soil Carbon, and Storm Surge**

Category	Project Acres Remaining	Project	ID	Percent within Urban Areas	Percent within 100-year Floodplain	Percent Inundated at 1-meter Sea Level Rise	Restoration			Soil Carbon		Storm Surge		Military Buffers	
							Restoration Emphasis of Project	Percent in BMAP	Final Restoration Group	Average soil total carbon (0-20 cm) value (kg/m2)	Final Soil Carbon Group	Acres in Storm Surge Zones 1-5	Final Storm Surge Group	Distance to Nearest Base	Final Military Buffer Group
LTF	5,598	Adams Ranch	1	0%	43%	0%	none	92%	High	4.30	Medium	0	Low-None		Low
PRI	8,741	Annutteliga Hammock	2	11%	23%	0%	weak	100%	High	3.66	Medium	1,626	Med-Low		Low
CNL	48,846	Apalachicola River	3	0%	83%	1%	moderate	0%	Low	4.67	Medium	143	Low		Low
LTF	4,172	Arbuckle Creek Watershed	4	0%	42%	0%	none	100%	High	7.23	High	0	Low-None	adjacent	Very High
CCL	179	Archie Carr Sea Turtle Refuge	5	31%	72%	41%	weak	84%	High	1.36	Low	167	High		Low
PRI	8,193	Atlantic Ridge Ecosystem	6	5%	37%	1%	none	23%	Medium	5.07	Medium	165	Low		Low
LTF	6,018	Ayavalla Plantation	7	0%	35%	0%	none	100%	High	3.92	Medium	0	Low-None		Low
PRI	8,394	Baldwin Bay/St. Marys River	8	0%	43%	0%	moderate	0%	Low	5.58	Medium	0	Low-None	<5km	Medium
CHR	853	Battle of Wahoo Swamp	9	0%	91%	0%	none	0%	Low	7.86	High	0	Low-None		Low
CNL	97,434	Bear Creek Forest	10	0%	48%	0%	moderate	0%	Low	4.93	Medium	0	Low-None		Low
CNL	4,689	Bear Hammock	11	1%	29%	0%	weak	90%	High	4.05	Medium	10	Low		Low
CNL	6,300	Belle Meade	12	0%	98%	8%	weak	0%	Low	8.41	Very High	6,298	Very High		Low
LTF	41,892	Big Bend Swamp/Holopaw Ranch	13	0%	65%	0%	weak	74%	High	6.17	Medium	0	Low-None		Low
CNL	43,051	Blue Head Ranch	14	0%	49%	0%	none	92%	High	4.56	Medium	0	Low-None		Low
LTF	10,996	Bluefield to Cow Creek	15	0%	35%	0%	n/a	100%	High	5.15	Medium	0	Low-None		Low
CNL	29,263	Bombing Range Ridge	16	0%	37%	0%	none	100%	High	4.99	Medium	0	Low-None	adjacent	Very High
PRI	21,104	Brevard Coastal Scrub Ecosystem	17	17%	48%	0%	weak	65%	High	4.20	Medium	642	Med-Low		Low
CNL	12,856	Caloosahatchee Ecoscape	18	0%	60%	0%	moderate	100%	High	3.92	Medium	2,350	Low		Low
CNL	32,283	Camp Blanding to Raiford Greenway	19	0%	51%	0%	moderate	45%	Medium	5.51	Medium	0	Low-None		Low
PRI	305	Carr Farm/Price's Scrub	20	0%	20%	0%	weak	76%	High	3.71	Medium	0	Low-None		Low
PRI	3,231	Catfish Creek	21	0%	68%	0%	none	100%	High	7.62	High	0	Low-None		Low
SC	5,902	Charlotte Harbor Estuary	22	7%	86%	62%	moderate	0%	Low	6.25	Medium	5,635	Very High		Low
PRI	6,990	Charlotte Harbor Flatwoods	23	0%	39%	0%	weak	29%	Medium	2.83	Medium-Low	6,974	Medium		Low
PRI	2,867	Clear Creek/Whiting Field	24	0%	6%	0%	none	0%	Low	3.27	Medium-Low	0	Low-None	adjacent	Very High
LTF	99,544	Coastal Headwaters Longleaf Forest	25	0%	17%	0%	strong	0%	High	4.07	Medium	56	Low	<5km	Medium
LTF	3,522	Conlin Lake X	26	0%	67%	0%	n/a	100%	High	4.67	Medium	0	Low-None		Low
PRI	34,048	Corkscrew Regional Ecosystem Watershed	27	0%	91%	0%	moderate	6%	Low	5.30	Medium	33,919	Medium		Low
CNL	6,211	Corrigan Ranch	28	0%	30%	0%	n/a	100%	High	4.56	Medium	0	Low-None	<5km	Medium
CCL	1,157	Coupon Bight/Key Deer	29	28%	97%	95%	moderate	0%	Low	3.45	Medium-Low	39	Low		Low
PRI	2,348	Crayfish Habitat Restoration	30	5%	73%	0%	strong	0%	High	3.98	Medium	0	Low-None		Low
PRI	12,440	Crossbar/Al Bar Ranch	31	0%	29%	0%	strong	100%	High	3.76	Medium	0	Low-None		Low
PRI	304	Dade County Archipelago	32	54%	55%	5%	moderate	0%	Low	10.29	Medium	233	Med-Low	<5km	Low
CNL	55,694	Devil's Garden	33	0%	86%	0%	moderate	8%	Low	4.50	Medium	0	Low-None		Low
SC	3,077	Dickerson Bay/Bald Point	34	0%	93%	70%	weak	0%	Low	4.94	Medium	2,987	Very High		Low

Category	Project		ID	Percent within Urban Areas	Percent within 100-year Floodplain	Percent Inundated at 1-meter Sea Level Rise	Restoration			Soil Carbon		Storm Surge		Military Buffers	
	Acres Remaining	Project					Restoration Emphasis of Project	Percent in BMAP	Final Restoration Group	Average soil total carbon (0-20 cm) value (kg/m2)	Final Soil Carbon Group	Acres in Storm Surge Zones 1-5	Final Storm Surge Group	Distance to Nearest Base	Final Military Buffer Group
LTF	2,214	Eastern Scarp Ranchlands	35	0%	18%	0%	none	100%	High	4.59	Medium	0	Low-None	adjacent	Very High
CNL	1,665	Econfina Timberlands	36	0%	70%	0%	n/a	100%	High	5.01	Medium	0	Low-None		Low
CNL	54,367	Etoniah/Cross Florida Greenway	37	0%	34%	0%	weak	81%	High	4.76	Medium	68	Low	<5km	Medium
LTF	122,213	Fisheating Creek Ecosystem	38	0%	52%	0%	none	98%	High	4.34	Medium	43,015	Med-Low		Low
PRI	3,912	Flagler County Blueway	39	15%	57%	27%	moderate	0%	Low	5.09	Medium	3,359	Medium		Low
PRI	6,040	Florida's First Magnitude Springs	40	2%	29%	2%	none	62%	High	3.50	Medium	685	Med-Low		Low
CCL	5,849	Florida Keys Ecosystem	41	40%	90%	94%	none	0%	Low	4.89	Medium	540	Med-Low	adjacent	Medium
SC	8,855	Florida Springs Coastal Greenway	42	0%	75%	91%	moderate	40%	Medium	4.67	Medium	5,462	High		Low
CNL	54,862	Forest and Lakes Ecosystem	43	0%	24%	0%	n/a	0%	Low	2.96	Medium-Low	141	Low		Low
CCL	3,393	Garcon Ecosystem	44	0%	15%	5%	weak	0%	Low	5.83	Medium	1,765	Med-Low		Low
PRI	160,797	Green Swamp	45	1%	55%	0%	n/a	27%	Medium	5.94	Medium	0	Low-None		Low
LTF	25,611	Gulf Hammock	46	0%	99%	16%	moderate	0%	Low	5.45	Medium	25,591	Very High		Low
CNL	11,182	Half Circle L Ranch	47	0%	100%	0%	strong	0%	High	3.43	Medium-Low	0	Low-None		Low
PRI	7,503	Hall Ranch	48	0%	29%	0%	moderate	23%	Medium	3.05	Medium-Low	1	Low		Low
LTF	1,676	Hardee Flatwoods	49	0%	63%	0%	n/a	0%	Low	4.82	Medium	0	Low-None		Low
PRI	13,663	Heather Island/Ocklawaha River	50	1%	25%	0%	strong	100%	High	5.69	Medium	0	Low-None		Low
CNL	22,399	Hixtown Swamp	51	0%	61%	0%	weak	37%	Medium	6.41	High	0	Low-None		Low
LTF	16,316	Horse Creek Ranch	52	0%	24%	0%	weak	0%	Low	3.99	Medium	0	Low-None		Low
LTF	6,923	Hosford Chapman's Rhododendron Protection	53	0%	46%	0%	moderate	60%	High	3.88	Medium	0	Low-None		Low
CNL	1,717	Ichetucknee Trace	54	0%	12%	0%	strong	100%	High	3.23	Medium-Low	0	Low-None		Low
PRI	18,257	Indian River Lagoon Blueway	55	6%	47%	40%	moderate	86%	High	5.79	Medium	15,368	Medium		Low
LTF	37,930	Kissimmee-St. Johns River Connector	56	0%	56%	0%	strong	50%	High	4.60	Medium	0	Low-None		Low
PRI	10,253	Lafayette Forest	57	0%	64%	0%	strong	100%	High	5.86	Medium	0	Low-None		Low
CNL	3,592	Lake Hatchineha Watershed	58	4%	27%	0%	weak	100%	High	5.49	Medium	0	Low-None		Low
PRI	9,619	Lake Santa Fe	59	0%	40%	0%	weak	87%	High	5.31	Medium	0	Low-None		Low
CNL	29,567	Lake Wales Ridge Ecosystem	60	2%	32%	0%	weak	86%	High	5.05	Medium	0	Low-None	adjacent	High
LTF	6,382	Limestone Ranch	61	0%	28%	0%	none	0%	Low	4.15	Medium	7	Low		Low
LTF	2,085	Little River Conservation Area	62	0%	34%	0%	weak	100%	High	4.68	Medium	0	Low-None		Low
PRI	4,693	Lochloosa Forest	63	0%	30%	0%	n/a	100%	High	4.38	Medium	0	Low-None		Low
SC	4,446	Lochloosa Wildlife	64	0%	61%	0%	weak	100%	High	4.78	Medium	0	Low-None		Low
CNL	9,687	Longleaf Pine Ecosystem	65	0%	8%	0%	strong	98%	High	2.43	Medium-Low	0	Low-None		Low
LTF	2,338	Lower Perdido River Buffer	66	9%	22%	2%	none	0%	Low	5.98	Medium	866	Med-Low	adjacent	Very High
LTF	30,705	Lower Suwannee River and Gulf Watershed	67	0%	68%	17%	weak	20%	Medium	5.43	Medium	30,699	Very High		Low
LTF	99,032	Matanzas to Ocala Conservation Corridor	68	0%	40%	4%	n/a	84%	High	6.09	Medium	4,588	Med-Low		Low
LTF	5,021	Maytown Flatwoods	69	0%	35%	0%	none	0%	Low	5.96	Medium	0	Low-None		Low
PRI	12,304	Middle Chipola River	70	0%	58%	2%	weak	0%	Low	3.66	Medium	0	Low-None		Low
LTF	12,293	Mill Creek	71	0%	59%	0%	none	100%	High	5.90	Medium	0	Low-None		Low
LTF	83	Millstone Plantation	72	100%	5%	0%	none	100%	High	2.33	Medium-Low	0	Low-None		Low

Category	Project Acres Remaining		ID	Percent within Urban Areas	Percent within 100-year Floodplain	Percent Inundated at 1-meter Sea Level Rise	Restoration			Soil Carbon		Storm Surge		Military Buffers	
	Project						Restoration Emphasis of Project	Percent in BMAP	Final Restoration Group	Average soil total carbon (0-20 cm) value (kg/m2)	Final Soil Carbon Group	Acres in Storm Surge Zones 1-5	Final Storm Surge Group	Distance to Nearest Base	Final Military Buffer Group
LTF	30,573	Myakka Ranchlands	73	0%	40%	0%	weak	0%	Low	4.44	Medium	753	Med-Low		Low
CNL	1,967	Natural Bridge Creek	74	0%	23%	0%	none	0%	Low	4.38	Medium	0	Low-None		Low
LTF	14,153	North Waccasassa Flats	75	0%	69%	0%	n/a	100%	High	6.11	Medium	0	Low-None		Low
CCL	11,920	Northeast Florida Blueway	76	46%	71%	69%	moderate	35%	Medium	7.12	High	9,174	High	adjacent	Very High
PRI	76,427	Northeast Florida Timberlands and Watershed	77	0%	21%	2%	strong	51%	High	4.65	Medium	9,627	Med-Low	adjacent	Very High
LTF	3,881	Ochlockonee River Conservation Area	78	0%	51%	0%	weak	100%	High	4.15	Medium	0	Low-None		Low
LTF	1,264	Old Town Creek Watershed	79	0%	25%	0%	weak	0%	Low	4.86	Medium	0	Low-None		Low
CNL	27,503	Osceola Pine Savannas	80	0%	48%	0%	moderate	14%	Medium	5.89	Medium	0	Low-None		Low
PRI	9,564	Pal-Mar	81	0%	63%	0%	weak	44%	Medium	4.05	Medium	4	Low		Low
CNL	39,382	Panther Glades	82	0%	92%	0%	weak	0%	Low	4.29	Medium	1,916	Low		Low
LTF	3,804	Peace River Refuge	83	1%	92%	3%	none	0%	Low	3.86	Medium	3,746	High		Low
CNL	2,389	Perdido Pitcher Plant Prairie	84	71%	47%	2%	weak	0%	Low	7.53	High	737	Med-Low	adjacent	Very High
CHR	562	Pierce Mound Complex	85	1%	83%	76%	none	0%	Low	5.77	Medium	562	High		Low
CNL	48,973	Pine Island Slough Ecosystem	86	0%	35%	0%	moderate	77%	High	4.45	Medium	0	Low-None	<5km	Medium
CHR	148	Pineland Site Complex	87	0%	97%	83%	none	0%	Low	4.15	Medium	148	High		Low
CNL	53,601	Pinhook Swamp	88	0%	61%	0%	moderate	0%	Low	6.65	High	0	Low-None		Low
PRI	8,446	Pringle Creek Forest	89	0%	50%	0%	none	11%	Medium	5.60	Medium	0	Low-None		Low
PRI	12,344	Pumpkin Hill Creek	90	5%	53%	51%	weak	42%	Medium	7.12	High	7,856	Medium	adjacent	Very High
LTF	67,702	Raiford to Osceola Greenway	91	0%	52%	0%	weak	51%	High	5.98	Medium	0	Low-None		Low
PRI	1,129	Rainbow River Corridor	92	8%	13%	0%	weak	100%	High	3.31	Medium-Low	49	Low		Low
LTF	12,515	Ranch Reserve	93	0%	33%	0%	weak	0%	Low	4.97	Medium	0	Low-None		Low
LTF	16,951	Red Hills Conservation	94	0%	19%	0%	n/a	100%	High	3.77	Medium	0	Low-None		Low
LTF	376	San Felasco Conservation Corridor	95	1%	38%	0%	none	100%	High	5.28	Medium	0	Low-None		Low
CNL	44,999	San Pedro Bay	96	0%	93%	0%	moderate	21%	Medium	7.76	High	0	Low-None		Low
PRI	14,534	Sand Mountain	97	0%	23%	0%	moderate	0%	Low	2.89	Medium-Low	0	Low-None		Low
SC	24	Save Our Everglades	98	0%	95%	0%	moderate	0%	Low	7.87	Medium-Low	24	High		Low
LTF	2,826	Seven Runs Creek Final Phase	99	0%	50%	3%	n/a	0%	Low	3.81	Medium	332	Med-Low	<1km	Med-Low
CNL	2,188	Shoal River Buffer	100	12%	51%	0%	moderate	0%	Low	4.96	Medium	0	Low-None	adjacent	Very High
CNL	11,706	South Goethe	101	0%	32%	0%	strong	49%	High	3.94	Medium	24	Low		Low
SC	2,657	South Walton County Ecosystem	102	29%	47%	3%	moderate	0%	Low	4.29	Medium	1,059	Med-Low		Low
CNL	598	Southeastern Bat Maternity Caves	103	0%	56%	0%	weak	20%	Medium	3.88	Medium	0	Low-None		Low
SC	367	Spruce Creek	104	24%	55%	15%	weak	0%	Low	4.67	Medium	120	Med-Low		Low
CCL	76,550	St. Joe Timberland	105	0%	89%	40%	none	5%	Low	6.73	High	72,616	Very High		Low
CCL	17,070	St. Johns River Blueway	106	15%	41%	35%	weak	100%	High	6.96	High	6,488	Med-Low		Low
CNL	11,572	Strategic Managed Area Lands List	107	2%	61%	24%	n/a	27%	Medium	5.70	Medium	5,960	Medium	<5km	Medium
LTF	1,254	Suwannee County Preservation	108	0%	36%	0%	weak	100%	High	3.75	Medium	0	Low-None		Low
CCL	3,742	Taylor Sweetwater Creek	109	0%	76%	42%	n/a	0%	Low	5.78	Medium	3,694	Very High		Low
CNL	12,428	Telogia Creek	110	0%	36%	0%	n/a	0%	Low	4.10	Medium	0	Low-None		Low

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	Acres Remaining	Project					Restoration Emphasis of Project	Percent in BMAP	Final Restoration Group	Average soil total carbon (0-20 cm) value (kg/m2)	Final Soil Carbon Group	Acres in Storm Surge Zones 1-5	Final Storm Surge Group	Distance to Nearest Base	Final Military Buffer Group
CCL	2,292	Terra Ceia	111	16%	94%	80%	strong	0%	High	6.18	Medium	2,266	Very High		Low
CCL	1,142	Tiger Island/Little Tiger Island	112	0%	98%	100%	n/a	0%	Low	9.82	Very High	1,074	Very High		Low
CNL	5,336	Triple Diamond	113	0%	53%	0%	none	100%	High	4.36	Medium	0	Low-None		Low
CNL	8,128	Twelvemile Slough	114	0%	98%	0%	moderate	95%	High	3.75	Medium	0	Low-None		Low
CNL	12,035	Upper Shoal River	115	0%	16%	0%	moderate	0%	Low	4.05	Medium	0	Low-None	<5km	Medium
PRI	17,832	Volusia Conservation Corridor	116	0%	58%	1%	moderate	97%	High	5.78	Medium	0	Low-None		Low
CNL	14,908	Wacissa/Aucilla River Sinks	117	0%	87%	10%	weak	1%	Low	5.74	Medium	14,872	Very High		Low
PRI	3,970	Wakulla Springs Protection Zone	118	16%	10%	0%	moderate	100%	High	2.97	Medium-Low	3,457	Med-Low		Low
PRI	5,862	Watermelon Pond	119	0%	15%	0%	moderate	51%	High	2.66	Medium-Low	0	Low-None		Low
CNL	22,268	Wekiva-Ocala Greenway	120	0%	37%	6%	weak	86%	High	5.57	Medium	0	Low-None		Low
PRI	8,321	Welannee Watershed Forest	121	0%	53%	0%	n/a	0%	Low	4.40	Medium	0	Low-None		Low
LTF	710	West Aucilla River Buffer	122	0%	33%	0%	none	100%	High	3.78	Medium	0	Low-None		Low
CCL	4,511	West Bay Preservation Area	123	0%	81%	39%	weak	0%	Low	4.09	Medium	3,296	Medium		Low
LTF	3,286	Withlacoochee River Corridor	124	0%	73%	0%	n/a	100%	High	5.91	Medium	0	Low-None		Low
CNL	8,687	Wolfe Creek Forest	125	0%	7%	0%	moderate	0%	Low	3.58	Medium	0	Low-None	<5km	Medium