

Florida Forever Natural Resource Acquisition Progress Report

November 2017

Prepared by the
Florida Natural Areas Inventory
for the
Florida Department of Environmental Protection
Division of State Lands



This is the twenty-sixth Progress Report for the Florida Forever environmental land acquisition program. The reports are produced at the request of the Florida Department of Environmental Protection (DEP), Division of State Lands, as part of the Florida Natural Areas Inventory’s contract to provide scientific expertise and analysis to inform the Florida Forever program.

These reports document the progress of Florida Forever Board of Trustees (FFBOT), water management district (FFWMD), Florida Communities Trust (FCT) and other Florida Forever program acquisitions toward meeting the goals and measures of the Florida Forever program. Progress is measured using the natural resource data layers developed or compiled by the Florida Natural Areas Inventory and presented in the Conservation Needs Assessment Summary and Technical Reports (available online at www.fnai.org/FlForever.cfm).

For this report, Florida Forever acquisitions include those properties for which transactions have closed from the inception of the program in July 2001 through August 2017. The following table lists total acquisitions through Aug 2017. Note that acreages are calculated in GIS for parcels with digital boundaries and do not include all small parcels. Parcels that FFBOT or FFWMD acquired in combination with non-Florida Forever funds (e.g., a separate agency funding source or another funding partner) are counted entirely as Florida Forever purchases.

Program	Acres acquired		
	July 2001 - Aug 2017		
	Full Fee	Less-than-Fee	Total
FFBOT	311,232	95,508	406,741
FFWMD	178,805	101,293	280,098
FCT	47,176	-	47,176
Inholdings and Additions (I&A)			
DEP/Office of Greenways and Trails	2,569	-	2,569
DEP/Division of Recreation and Parks	6,022	-	6,022
FDACS/Florida Forest Service	17,492	7,157	24,648
Florida Fish and Wildlife Conservation Commission	11,870	-	11,870
Rural and Family Lands Protection Program (included with I&A in attached table)	-	2,900	2,900
Stan Mayfield Working Waterfronts (not included in attached table)	5	-	5
Total Florida Forever Acquisitions	575,171	206,858	782,029

The attached Florida Forever Summary of Resource Acres Protected on Conservation Lands (Summary) shows the baseline of natural resources protected on conservation lands at the onset of the Florida Forever program. The baseline represents the starting point from which Florida Forever’s progress will be measured. The Summary also reports additional acreage of each resource acquired by the Florida Forever program as of Aug 2017.

The Florida Natural Areas Inventory updates our managed areas database quarterly with the latest information available from land managing agencies. We also maintain a separate parcel database of Florida Forever acquisitions which is updated biannually. In addition to newly acquired parcels, updates may also include boundary revisions or deletions as agencies provide improved information. The September 2017 update to the Florida Forever acquired parcel and the managed areas databases were used to calculate acquisitions since the onset of the Florida Forever program for this report. In addition to Florida Forever acquisitions, many parcels were added to managed area boundaries as part of the continual building and maintenance of the database. These lands may represent federal, local, or private acquisitions, other state acquisition programs, or revisions to existing managed area boundaries. These lands are split into two columns in the Summary: Other Lands Acquired within FL Forever Projects (331,239 total acres) and Other Lands Added to the FNAI Database since July 2001 (622,620 total acres).

Florida Forever Summary of Resource Acres Protected on Conservation Lands - November 2017

			Resource Acres Protected							Remaining Acres		Percent Protected	
			Baseline	FL Forever Programs as of Aug 2017				Other Lands				July 2001	Aug 2017
			At start of FL Forever July 2001	BOT	WMDs	RFLPP	FCT	Acquired within FL Forever Projects	Added to FNAI Database since July 2001				
MEASURES	Natural Resource Priorities	Total Statewide Acres	OGT, A&I,										
B1: Strategic Habitat Conservation Areas	Priority 1	1,457,080	845,270	16,340	3,530	1,590	1,660	18,320	19,740	550,630	58%	62%	
	Priority 2	10,489,250	6,152,200	294,850	188,530	41,160	19,000	205,860	283,470	3,304,180	59%	68%	
	Priority 3	4,936,120	1,411,600	10,200	14,800	7,000	7,530	35,230	90,210	3,359,550	29%	32%	
	Priority 4	84,350	25,520	2,460	1,260	170	230	2,220	1,980	50,510	30%	40%	
	Priority 5	1,084,300	78,240	7,890	6,560	1,810	2,290	9,130	21,510	956,870	7%	12%	
	Total 2009^a	18,051,100	8,512,830	331,740	214,680	51,730	30,710	270,760	416,910	8,221,740	47%	54%	
Total 1994^a	4,037,900	351,920	174,360	75,370	15,210	11,560	132,200	93,240	3,184,040	9%	21%		
B2: FNAI Habitat Conservation Priorities	Priority 1	949,930	587,140	26,370	7,460	1,240	520	6,320	6,490	314,390	62%	67%	
	Priority 2	2,242,280	1,678,350	28,300	5,750	3,840	1,720	21,990	38,630	463,700	75%	79%	
	Priority 3	2,455,580	1,380,340	63,800	14,580	11,430	1,830	30,340	38,520	914,740	56%	63%	
	Priority 4	4,601,590	2,124,380	88,830	54,830	13,340	6,320	64,440	112,610	2,136,840	46%	54%	
	Priority 5	6,747,500	1,603,290	101,890	74,100	14,010	11,900	110,860	131,390	4,700,060	24%	30%	
	Priority 6	3,204,060	589,510	13,210	36,360	7,420	6,220	23,220	71,620	2,456,500	18%	23%	
Total	20,200,940	7,963,010	322,400	193,080	51,280	28,510	257,170	399,260	10,986,230	39%	46%		
B3: Ecological Greenways	Priority 1	11,629,920	7,444,520	277,990	126,610	26,740	3,030	150,110	207,260	3,393,660	64%	71%	
	Priority 2	5,102,510	1,182,630	68,130	73,460	21,710	11,720	80,360	109,040	3,555,460	23%	30%	
	Priority 3	1,239,940	216,150	5,150	50,030	460	1,130	22,150	23,130	921,740	17%	26%	
	Priority 4	1,526,260	331,540	23,850	9,520	1,850	10,710	16,570	38,160	1,094,060	22%	28%	
	Priority 5	3,585,110	669,390	12,610	11,860	7,240	4,690	53,710	165,020	2,660,590	19%	26%	
	Total	23,083,740	9,844,230	387,730	271,480	58,000	31,280	322,900	542,610	11,625,510	43%	50%	
B4: Under-represented Natural Communities	Upland Glade (G1)	40	0	0	0	0	0	0	0	40	0%	0%	
	Pine Rockland (G1)	16,850	15,750	100	0	0	0	80	140	780	93%	95%	
	Scrub (G2)	489,570	341,530	4,360	880	750	790	4,840	3,530	132,890	70%	73%	
	Rockland Hammock (G2)	18,770	15,160	350	0	0	10	620	100	2,530	81%	87%	
	Dry Prairie (G2)	155,560	92,380	3,070	480	600	0	1,960	3,280	53,790	59%	65%	
	Seepage Slope (G2)	6,230	6,200	0	0	0	0	0	0	30	100%	100%	
	Sandhill (G3)	773,060	466,790	5,230	2,260	1,300	160	1,610	6,570	289,140	60%	63%	
	Sandhill Lake (G3)	70,780	12,710	110	290	30	10	160	430	57,040	18%	19%	
	Upland Pine (G3)	168,250	149,040	2,420	450	910	0	210	120	15,100	89%	91%	
	Pine Flatwoods (G4)	2,331,480	1,052,050	67,990	24,680	4,580	5,490	38,640	37,870	1,100,180	45%	53%	
Upland Hardwood (G5)	230,600	36,000	610	1,270	480	1,070	240	1,690	189,240	16%	18%		
Total	4,261,190	2,187,610	84,240	30,310	8,650	7,530	48,360	53,730	1,840,760	51%	57%		
B5: Landscape-sized Protection Areas	<i>Acres acquired within contiguous conservation lands ≥ 50,000 acres</i>	n/a	7,322,550	280,200	191,920	29,130	14,710	182,050	250,070	n/a	n/a	n/a	

^aThe FWC completed a major revision to the SHCAs in 2009; however, the original 1994 SHCAs have been used to inform Florida Forever acquisition decisions from 2001 - 2007; therefore, we report acquisition progress for both the original and revised strategic habitats.

			Resource Acres Protected							Percent Protected		
			Baseline	FL Forever Programs as of Aug 2017				Other Lands				
			At start of FL Forever July 2001	OGT, A&I, BOT WMDs RFLPP FCT				Acquired within FL Forever Projects	Added to FNAI Database since July 2001			Remaining Acres
MEASURES	Natural Resource Priorities	Total Statewide Acres										
C3: Natural Floodplain Function	Priority 1	4,681,960	4,021,390	35,940	37,230	7,980	3,470	55,230	57,540	463,180	86%	90%
	Priority 2	2,527,780	1,310,200	46,620	40,260	8,340	3,080	46,630	104,820	967,830	52%	62%
	Priority 3	2,676,000	545,070	70,120	43,510	7,380	5,720	50,910	69,550	1,883,740	20%	30%
	Priority 4	2,806,550	163,070	35,970	21,550	7,510	5,030	29,800	66,450	2,477,170	6%	12%
	Priority 5	910,570	36,340	15,940	5,520	1,400	1,230	8,350	35,070	806,720	4%	11%
	Priority 6	1,450,150	56,330	3,390	6,510	80	990	1,330	32,070	1,349,450	4%	7%
	Total	15,053,010	6,132,400	207,980	154,580	32,690	19,520	192,250	365,500	7,948,090	41%	47%
C4: Surface Water Protection	Priority 1	2,828,240	1,375,410	42,170	16,480	3,610	5,030	53,510	96,600	1,235,430	49%	56%
	Priority 2	5,498,280	3,584,630	60,460	61,160	14,290	3,280	61,930	126,790	1,585,740	65%	71%
	Priority 3	1,883,970	402,100	27,650	20,040	8,360	3,590	11,020	25,180	1,386,030	21%	26%
	Priority 4	8,595,280	2,320,630	182,850	106,280	24,850	13,180	133,090	171,490	5,642,910	27%	34%
	Priority 5	3,892,910	336,450	28,420	16,640	2,330	5,150	14,860	54,740	3,434,320	9%	12%
	Priority 6	5,725,460	578,110	44,090	43,930	4,180	10,300	46,470	54,740	4,943,640	10%	14%
	Priority 7	2,237,700	65,130	4,190	6,740	550	810	3,540	24,910	2,131,830	3%	5%
Total	30,661,840	8,662,460	389,830	271,270	58,170	41,340	324,420	554,450	20,359,900	28%	34%	
C5: Minimize Damage from Flooding		15,955,830	6,195,540	209,900	156,580	32,840	19,860	193,950	369,570	8,777,590	39%	45%
C6: Fragile Coastal Resources	Fragile Coastal Uplands	79,560	62,880	830	40	70	60	890	1,240	13,550	79%	83%
	Imperiled Coastal Lakes	1,500	520	0	0	0	0	0	0	980	35%	35%
	Coastal Wetlands	1,000,020	755,850	4,040	2,290	260	1,900	27,300	48,810	159,570	76%	84%
	Total	1,081,080	819,250	4,870	2,330	330	1,960	28,190	50,050	174,100	76%	84%
C7: Functional Wetlands	Priority 1	4,537,370	3,880,800	34,760	37,360	7,860	4,420	56,500	56,680	458,990	86%	90%
	Priority 2	2,266,270	1,113,190	38,730	37,680	7,480	3,760	45,120	102,060	918,250	49%	59%
	Priority 3	2,184,340	367,970	35,290	37,710	4,820	6,110	48,660	62,060	1,621,720	17%	26%
	Priority 4	1,754,510	92,850	18,830	15,060	2,960	3,840	22,160	42,960	1,555,850	5%	11%
	Priority 5	373,200	13,480	3,070	2,840	260	940	1,450	10,700	340,460	4%	9%
	Priority 6	246,530	7,750	160	360	10	580	170	4,730	232,770	3%	6%
Total	11,362,220	5,476,040	130,840	131,010	23,390	19,650	174,060	279,190	5,128,040	48%	55%	
D3: Aquifer Recharge	Priority 1	1,122,030	212,320	7,990	5,580	2,020	1,030	2,850	4,160	886,080	19%	21%
	Priority 2	3,310,030	449,770	13,630	19,610	8,790	3,990	10,550	24,620	2,779,070	14%	16%
	Priority 3	6,133,020	899,190	45,290	46,700	10,160	8,000	49,730	68,240	5,005,710	15%	18%
	Priority 4	7,555,200	1,288,070	112,560	71,640	12,420	11,460	81,460	118,870	5,858,720	17%	22%
	Priority 5	6,685,890	1,395,060	115,030	62,230	9,260	8,390	80,620	118,540	4,896,760	21%	27%
	Priority 6	8,633,890	3,810,970	85,400	55,930	11,510	7,020	74,200	193,720	4,395,140	44%	49%
Total	33,440,060	8,055,380	379,900	261,690	54,160	39,890	299,410	528,150	23,821,480	24%	29%	
E2: Recreational Trails	Priority 1	4,640	2,590	60	30	170	35	75	700	980	56%	79%
	Priority 2	5,350	1,310	85	90	15	50	80	215	3,505	24%	34%
	Total	9,990	3,900	145	120	185	85	155	915	4,485	39%	55%
F1: Archaeological Sites	<i>reported as number of sites^b</i>	34,870	14,857	388	357	131	194	379	817	17,747	43%	49%

MEASURES			Resource Acres Protected								Percent Protected		
			Baseline	FL Forever Programs as of Aug 2017					Other Lands				Remaining Acres
			At start of FL Forever July 2001	BOT	WMDs	OGT, A&I, RFLPP		FCT	Acquired within FL Forever Projects	Added to FNAI Database since July 2001			
Natural Resource Priorities			Total Statewide Acres								July 2001	Aug 2017	
G1: Sustainable Forestry	Priority 1	1,658,100	734,350	55,780	2,820	6,030	50	15,380	13,390	830,300	44%	50%	
	Priority 2	2,234,050	822,190	53,060	11,800	6,760	930	25,310	17,280	1,296,720	37%	42%	
	Priority 3	4,851,800	1,061,160	81,720	60,730	10,010	9,200	55,670	64,560	3,508,750	22%	28%	
	Priority 4	38,920	18,490	690	0	0	90	800	240	18,610	48%	52%	
	Priority 5	4,717,510	244,010	56,140	27,030	4,340	6,260	47,000	91,640	4,241,090	5%	10%	
Total		13,500,380	2,880,200	247,390	102,380	27,140	16,530	144,160	187,110	9,895,470	21%	27%	
H1: Urban Service Areas		5,136,550	156,280	2,410	1,560	490	7,460	7,510	23,550	4,937,290	3%	4%	

B6: Imperiled Species		Number of Imperiled Species Protected							TOTAL ^b All Conservation Lands as of Aug 2017 ^d		
		Baseline	FL Forever Programs as of Aug 2017				Other Lands				TOTAL ^b
		At start of FL Forever July 2001	BOT	WMDs	OGT, A&I, RFLPP		FCT	Acquired within FL Forever Projects			Added to FNAI Database since July 2001
Species occurrences ^c		14,469	671	196	132	97	401	604	1,004	15,816	
Species with at least 1 occurrence on conservation lands		958	267	106	88	51	154	236	335	980	
federal or state endangered		361	113	29	38	13	66	92	138	371	
federal or state threatened		96	57	20	15	15	42	58	63	105	
state special concern		20	7	4	3	4	5	7	7	20	

^bTOTAL numbers are less than the sum of all programs because numbers may overlap between programs.

^cAn FNAI species occurrence typically represents an ecologically distinct population. A population is intended to be ecologically viable and persisting over time in order to meet the standard for an occurrence counted here. FNAI data come from many sources, including field surveys, published reports, museum collections, and other resource experts.

Not all areas of the state have been surveyed for all species. The rarest elements of biodiversity are given greater emphasis in data collection efforts.

^dAnalysis is based on the September 2017 version of Florida Managed Areas current through August 2017.