

Florida Forever Natural Resource Acquisition Progress Report

November 2011

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



This is the twentieth 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/FIForever.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 September 2011. The following table lists total acquisitions through September 2011. 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 - September 2011 | | |
| | Full Fee | Less-than-Fee | Total |
| FFBOT | 283,031 | 67,954 | 350,985 |
| FFWMD | 178,490 | 100,018 | 278,508 |
| FCT | | - | 40,600 |
| Inholdings and Additions (I&A) | | | |
| DEP/Office of Greenways and Trails | 2,369 | - | 2,369 |
| DEP/Division of Recreation and Parks | 5,262 | - | 5,262 |
| FDACS/Florida Forestry Service | 17,385 | 1,378 | 18,763 |
| Florida Fish and Wildlife Conservation Commission | 11,801 | - | 11,801 |
| Rural and Family Lands Protection Program (included with I&A in attached table) | - | 2,850 | 2,850 |
| Stan Mayfield Working Waterfronts (not included in attached table) | 5 | - | 5 |
| Total Florida Forever Acquisitions | 538,944 | 172,199 | 711,143 |

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 September 2011.

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. The September 2011 updates to the managed areas and Florida Forever acquired parcel 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 areas 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 areas boundaries. These lands are split into two columns in the Summary: Other Lands Acquired within FL Forever Projects (223,701 total acres) and Other Lands Added to the FNAI Database since July 2001 (428,028 total acres).

Florida Forever Summary of Resource Acres Protected on Conservation Lands - November 2011

| | | | Resource Acres Protected | | | | | | | Remaining Acres | | Percent Protected | |
|--|---|-----------------------|----------------------------------|------------------------------------|----------------|---------------|----------------|-------------------------------------|--|------------------|------------|-------------------|----------|
| | | | Baseline | FL Forever Programs as of Sep 2011 | | | | Other Lands | | | | July 2001 | Sep 2011 |
| | | | At start of FL Forever July 2001 | OGT, A&I, RFLPP, FCT | | | | Acquired within FL Forever Projects | Added to FNAI Database since July 2001 | | | | |
| MEASURES | Natural Resource Priorities | Total Statewide Acres | | BOT | WMDs | RFLPP | FCT | | | | | | |
| B1: Strategic Habitat Conservation Areas | Priority 1 | 1,455,780 | 828,710 | 14,280 | 3,790 | 1,120 | 1,540 | 13,050 | 16,810 | 576,480 | 57% | 60% | |
| | Priority 2 | 11,617,870 | 6,902,810 | 295,370 | 195,010 | 31,890 | 20,230 | 165,490 | 216,320 | 3,790,750 | 59% | 67% | |
| | Priority 3 | 4,191,230 | 764,670 | 6,030 | 14,890 | 2,140 | 6,680 | 8,310 | 49,830 | 3,338,680 | 18% | 20% | |
| | Priority 4 | 81,630 | 19,690 | 660 | 1,020 | 140 | 230 | 790 | 2,840 | 56,260 | 24% | 31% | |
| | Priority 5 | 1,138,910 | 80,390 | 3,270 | 6,460 | 580 | 2,410 | 5,340 | 13,540 | 1,026,920 | 7% | 10% | |
| | Total 2009^a | 18,485,430 | 8,596,270 | 319,620 | 221,170 | 35,880 | 31,090 | 192,980 | 299,340 | 8,789,080 | 47% | 52% | |
| Total 1994^a | 4,037,790 | 332,240 | 166,380 | 78,720 | 10,950 | 10,840 | 89,870 | 59,790 | 3,289,000 | 8% | 19% | | |
| B2: FNAI Habitat Conservation Priorities | Priority 1 | 430,820 | 159,560 | 5,350 | 1,360 | 430 | 0 | 4,200 | 2,000 | 257,920 | 37% | 40% | |
| | Priority 2 | 876,640 | 448,180 | 17,660 | 3,470 | 970 | 630 | 7,070 | 7,590 | 391,070 | 51% | 55% | |
| | Priority 3 | 4,638,090 | 2,077,990 | 56,590 | 33,040 | 4,320 | 7,760 | 33,050 | 79,630 | 2,345,710 | 45% | 49% | |
| | Priority 4 | 4,841,460 | 1,945,590 | 66,250 | 41,480 | 5,730 | 6,920 | 48,070 | 71,100 | 2,656,320 | 40% | 45% | |
| | Priority 5 | 4,500,730 | 1,694,920 | 92,260 | 53,950 | 11,810 | 6,200 | 53,450 | 56,380 | 2,531,760 | 38% | 44% | |
| | Priority 6 | 1,654,830 | 406,230 | 19,360 | 17,160 | 1,920 | 3,390 | 8,180 | 18,000 | 1,180,590 | 25% | 29% | |
| Total | 16,942,580 | 6,732,470 | 257,460 | 150,460 | 25,180 | 24,900 | 154,010 | 234,720 | 9,363,380 | 40% | 45% | | |
| B3: Ecological Greenways | Priority 1 Critical Linkages | 8,148,900 | 5,560,540 | 201,500 | 94,280 | 16,550 | 810 | 60,530 | 83,750 | 2,130,940 | 68% | 74% | |
| | Priority 2 Critical Linkages | 2,310,580 | 1,162,720 | 48,970 | 34,060 | 6,060 | 20 | 37,220 | 16,780 | 1,004,750 | 50% | 57% | |
| | Priority 1 | 1,386,850 | 384,750 | 8,970 | 5,810 | 330 | 5,210 | 19,380 | 16,490 | 945,910 | 28% | 32% | |
| | Priority 2 | 2,525,850 | 501,380 | 29,700 | 58,530 | 3,190 | 6,670 | 50,610 | 39,220 | 1,836,550 | 20% | 27% | |
| | Priority 3 | 1,237,230 | 229,240 | 8,260 | 45,040 | 3,210 | 1,160 | 8,320 | 13,550 | 928,450 | 19% | 25% | |
| | Priority 4 | 1,028,510 | 164,000 | 30,400 | 8,480 | 2,010 | 1,030 | 12,280 | 8,810 | 801,500 | 16% | 22% | |
| | Priority 5 | 1,165,320 | 198,060 | 8,570 | 8,630 | 1,690 | 10,490 | 2,550 | 19,410 | 915,920 | 17% | 21% | |
| Priority 6 | 4,078,040 | 507,210 | 10,360 | 12,170 | 4,850 | 7,280 | 26,940 | 114,530 | 3,394,700 | 12% | 17% | | |
| Total | 21,881,260 | 8,707,900 | 346,730 | 267,000 | 37,900 | 32,680 | 217,830 | 312,550 | 11,958,670 | 40% | 45% | | |
| B4: Under-represented Natural Communities | Upland Glade (G1) | 40 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 8% | 8% | |
| | Pine Rockland (G1) | 16,640 | 15,460 | 100 | 0 | 0 | 0 | 10 | 150 | 920 | 93% | 94% | |
| | Scrub (G2) | 510,960 | 356,720 | 5,200 | 940 | 740 | 990 | 4,530 | 5,240 | 136,600 | 70% | 73% | |
| | Rockland Hammock (G2) | 19,190 | 15,110 | 220 | 0 | 0 | 10 | 410 | 90 | 3,350 | 79% | 83% | |
| | Dry Prairie (G2) | 154,050 | 90,510 | 2,570 | 440 | 140 | 0 | 1,500 | 160 | 58,730 | 59% | 62% | |
| | Seepage Slope (G2) | 6,620 | 6,510 | 0 | 0 | 0 | 0 | 0 | 0 | 110 | 98% | 98% | |
| | Sandhill (G3) | 814,370 | 479,560 | 8,830 | 3,510 | 1,250 | 130 | 2,340 | 7,510 | 311,240 | 59% | 62% | |
| | Sandhill Lake (G3) | 69,880 | 11,870 | 120 | 60 | 10 | 0 | 130 | 460 | 57,230 | 17% | 18% | |
| | Upland Hardwood (G5) | 429,010 | 34,410 | 430 | 1,470 | 640 | 1,660 | 90 | 3,030 | 387,280 | 8% | 10% | |
| Pine Flatwoods (G4) | 2,288,530 | 1,018,520 | 56,360 | 24,640 | 3,460 | 5,250 | 25,600 | 27,890 | 1,126,810 | 45% | 51% | | |
| Total | 4,309,280 | 2,028,680 | 73,840 | 31,060 | 6,250 | 8,030 | 34,610 | 44,530 | 2,082,280 | 47% | 52% | | |
| B5: Landscape-sized Protection Areas | <i>Acres acquired within contiguous conservation lands ≥ 50,000 acres</i> | n/a | 5,806,300 | 240,990 | 159,030 | 25,890 | 13,290 | 120,840 | 177,610 | 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.

| MEASURES | | | Resource Acres Protected | | | | | | | Remaining Acres | | Percent Protected | |
|-----------------------------------|-----------------------------|------------------|----------------------------------|------------------------------------|---------------|---------------|----------------|-------------------------------------|--|------------------|------------|-------------------|----------|
| | | | Baseline | FL Forever Programs as of Sep 2011 | | | | Other Lands | | | | July 2001 | Sep 2011 |
| | | | At start of FL Forever July 2001 | OGT, A&I, RFLPP, FCT | | | | Acquired within FL Forever Projects | Added to FNAI Database since July 2001 | | | | |
| Natural Resource Priorities | Total Statewide Acres | | BOT | WMDs | RFLPP | FCT | | | | | | | |
| C3: Natural Floodplain Function | Priority 1 | 1,380,430 | 629,460 | 23,440 | 24,290 | 1,520 | 1,400 | 16,590 | 9,360 | 674,370 | 46% | 51% | |
| | Priority 2 | 449,440 | 104,510 | 2,970 | 6,500 | 1,330 | 1,110 | 2,660 | 12,190 | 318,170 | 23% | 29% | |
| | Priority 3 | 687,770 | 241,800 | 5,440 | 11,430 | 1,490 | 1,140 | 3,300 | 15,910 | 407,260 | 35% | 41% | |
| | Total | 2,517,640 | 975,770 | 31,850 | 42,220 | 4,340 | 3,650 | 22,550 | 37,470 | 1,399,790 | 39% | 44% | |
| C4: Surface Water Protection | Priority 1 | 1,202,050 | 670,930 | 3,730 | 6,580 | 820 | 3,980 | 6,530 | 44,030 | 465,450 | 56% | 61% | |
| | Priority 2 | 7,333,560 | 3,904,850 | 102,350 | 71,760 | 10,420 | 8,180 | 64,310 | 137,540 | 3,034,150 | 53% | 59% | |
| | Priority 3 | 2,345,550 | 342,800 | 47,630 | 26,910 | 1,680 | 2,620 | 7,780 | 29,440 | 1,886,690 | 15% | 20% | |
| | Priority 4 | 11,464,620 | 2,778,910 | 147,560 | 121,560 | 21,330 | 14,880 | 99,380 | 115,930 | 8,165,070 | 24% | 29% | |
| | Priority 5 | 2,095,250 | 183,510 | 6,380 | 9,650 | 390 | 3,420 | 7,620 | 8,440 | 1,875,840 | 9% | 10% | |
| | Priority 6 | 4,729,060 | 756,470 | 36,420 | 32,270 | 3,950 | 7,540 | 29,290 | 22,330 | 3,840,790 | 16% | 19% | |
| | Priority 7 | 2,527,570 | 76,100 | 6,180 | 7,020 | 440 | 300 | 5,190 | 10,120 | 2,422,220 | 3% | 4% | |
| Total | 31,697,660 | 8,713,570 | 350,250 | 275,740 | 39,020 | 40,920 | 220,090 | 367,830 | 21,690,240 | 27% | 32% | | |
| C5: Minimize Damage from Flooding | | 14,310,380 | 6,041,180 | 163,300 | 150,860 | 17,970 | 18,530 | 122,700 | 225,360 | 7,570,480 | 42% | 47% | |
| C6: Fragile Coastal Resources | Wetlands | 730,150 | 574,030 | 1,660 | 2,490 | 40 | 1,650 | 3,390 | 27,700 | 119,190 | 79% | 84% | |
| | Uplands | 133,150 | 87,710 | 1,240 | 10 | 70 | 410 | 680 | 3,050 | 39,980 | 66% | 70% | |
| | Total | 863,300 | 661,740 | 2,900 | 2,500 | 110 | 2,060 | 4,070 | 30,750 | 159,170 | 77% | 82% | |
| C7: Functional Wetlands | Priority 1 | 5,051,380 | 4,325,650 | 32,600 | 49,330 | 7,040 | 4,650 | 36,450 | 31,050 | 564,610 | 86% | 89% | |
| | Priority 2 | 1,954,970 | 762,850 | 28,120 | 31,370 | 3,890 | 1,870 | 31,670 | 92,070 | 1,003,130 | 39% | 49% | |
| | Priority 3 | 2,310,350 | 347,070 | 57,660 | 35,800 | 2,580 | 5,890 | 35,780 | 37,560 | 1,788,010 | 15% | 23% | |
| | Priority 4 | 1,425,480 | 72,240 | 16,900 | 10,250 | 1,190 | 3,620 | 13,030 | 21,900 | 1,286,350 | 5% | 10% | |
| | Priority 5 | 298,040 | 9,470 | 2,370 | 1,480 | 160 | 500 | 300 | 4,570 | 279,190 | 3% | 6% | |
| | Priority 6 | 286,430 | 6,600 | 1,060 | 390 | 20 | 470 | 180 | 3,690 | 274,020 | 2% | 4% | |
| Total | 11,326,650 | 5,523,880 | 138,710 | 128,630 | 14,870 | 17,010 | 117,410 | 190,840 | 5,195,300 | 49% | 54% | | |
| D3: Aquifer Recharge | Priority 1 | 1,005,960 | 193,370 | 5,700 | 5,250 | 670 | 390 | 2,260 | 5,920 | 792,400 | 19% | 21% | |
| | Priority 2 | 3,253,840 | 444,050 | 11,420 | 19,630 | 4,120 | 2,910 | 10,390 | 23,630 | 2,737,690 | 14% | 16% | |
| | Priority 3 | 6,226,790 | 901,090 | 38,570 | 49,510 | 5,660 | 6,880 | 42,220 | 45,040 | 5,137,820 | 14% | 17% | |
| | Priority 4 | 7,579,290 | 1,276,940 | 101,310 | 71,410 | 7,390 | 11,790 | 55,150 | 63,300 | 5,992,000 | 17% | 21% | |
| | Priority 5 | 6,736,140 | 1,392,880 | 103,540 | 61,750 | 5,930 | 9,380 | 53,650 | 61,900 | 5,047,110 | 21% | 25% | |
| | Priority 6 | 8,626,370 | 3,809,600 | 81,530 | 55,630 | 10,670 | 7,880 | 41,050 | 138,250 | 4,481,760 | 44% | 48% | |
| Total | 33,428,390 | 8,017,930 | 342,070 | 263,190 | 34,440 | 39,240 | 204,710 | 338,040 | 24,188,770 | 24% | 28% | | |
| E2: Recreational Trails | Priority 1 | 6,310 | 1,570 | 40 | 40 | 10 | 10 | 30 | 70 | 4,540 | 25% | 28% | |
| | Priority 2 | 2,440 | 530 | 30 | 40 | 10 | 0 | 30 | 20 | 1,780 | 22% | 27% | |
| | Priority 3 | 3,840 | 760 | 30 | 30 | 0 | 10 | 10 | 40 | 2,960 | 20% | 23% | |
| | Total | 12,590 | 2,860 | 100 | 110 | 20 | 20 | 70 | 130 | 9,280 | 23% | 26% | |
| F2: Archaeological Sites | reported as number of sites | 31,223 | 13,099 | 220 | 230 | 65 | 42 | 171 | 493 | 16,797 | 42% | 46% | |

| | | | Resource Acres Protected | | | | | | | Percent Protected | | |
|---------------------------------|-----------------------------|-----------------------|----------------------------------|------------------------------------|---------------|---------------|---------------|-------------------------------------|--|-------------------|------------|-----------------|
| | | | Baseline | FL Forever Programs as of Sep 2011 | | | | 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 | | | | | | | | | | |
| G1: Sustainable Forestry | Priority 1 | 1,685,620 | 737,690 | 55,600 | 2,820 | 3,040 | 10 | 9,190 | 9,530 | 867,740 | 44% | 49% |
| | Priority 2 | 2,278,850 | 826,850 | 51,260 | 11,900 | 5,830 | 790 | 19,320 | 10,900 | 1,352,000 | 36% | 41% |
| | Priority 3 | 4,991,590 | 1,065,250 | 67,990 | 63,530 | 8,610 | 8,220 | 42,250 | 50,830 | 3,684,910 | 21% | 26% |
| | Priority 4 | 39,920 | 18,510 | 520 | 0 | 0 | 150 | 560 | 190 | 19,990 | 46% | 50% |
| | Priority 5 | 3,609,380 | 165,480 | 37,020 | 21,550 | 2,990 | 5,550 | 22,960 | 34,380 | 3,319,450 | 5% | 8% |
| Total | 12,605,370 | 2,813,790 | 212,390 | 99,800 | 20,460 | 14,720 | 94,270 | 105,830 | 9,244,110 | 22% | 27% | |
| H1: Urban Service Areas | | 4,026,710 | 123,190 | 2,510 | 550 | 490 | 7,750 | 4,570 | 17,010 | 3,870,640 | 3% | 4% |

| | | Number of Imperiled Species Protected | | | | | | | TOTAL ^b | |
|---|--|---------------------------------------|------------------------------------|------------|-----------|-----------|-------------------------------------|--|--------------------|---------------|
| | | Baseline | FL Forever Programs as of Sep 2011 | | | | 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 | | |
| B6: Imperiled Species | | | | | | | | | | |
| Species occurrences^c | | 14,229 | 502 | 139 | 93 | 79 | 357 | 678 | 761 | 15,515 |
| Species with at least 1 occurrence on conservation lands | | 891 | 214 | 82 | 58 | 40 | 121 | 245 | 281 | 917 |
| federal or state endangered | | 349 | 95 | 27 | 31 | 13 | 69 | 117 | 120 | 361 |
| federal or state threatened | | 89 | 42 | 12 | 10 | 9 | 28 | 51 | 51 | 90 |
| state special concern | | 36 | 16 | 9 | 3 | 10 | 7 | 22 | 20 | 36 |

^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.