

Wildflower Survey, 2010: Panhandle

Final Report November 22, 2010

Investigators

Jeff Norcini
OecoHort, LLC
726 Riggins Road
Tallahassee, FL 32308
OecoHort@comcast.net

(850) 491-0910; FAX (888) 813-0090

Gil Nelson
Gil Nelson Associates
157 Leonard's Drive
Thomasville, GA 31792
gil@gilnelson.com

(229) 377-1857; FAX (229) 377-1825

Introduction

The goal of this survey was to document routes that motorists, cyclists, and hikers can view showy stands of native wildflowers in the Panhandle region of Florida. For the purpose of this survey, this region was defined as Jefferson County and west.

This report represents the cumulative results of our site evaluations based on our observations in spring (April and May), summer (June, July), and fall (September/October 2010). Survey dates were based on the experience of the investigators.

Methods

The majority of the survey was conducted by car, accompanied by walking forays into many of the sites. The surveys were conducted on the following dates:

- Spring – April 22, May 3
- Summer – June 14, July 6
- Fall – September 23, October 4

NOTE: The survey dates are only “snapshots” of the native wildflowers blooming during any season. Many species native to the Panhandle flower in the interim. Check the Appendix (page 36) for 1) a list of native species that occur along SR 65 in the Apalachicola National Forest; much of SR 65 is part of the Panhandle Route; and 2) to read about wildflowers that others have observed (page 45).

Our goal was to provide the best possible route(s) (loop routes, if possible) that:

1. Highlighted showy stands of native wildflowers and native wildflower communities typical of the Panhandle
2. Occurred along roadsides and where applicable, Forest Roads easily accessible to the public that occur along those routes.

We originally proposed to utilize methods similar to those used for the survey of the St. Johns River-to-Sea Bike Loop as listed below.

- Site has existing showy native wildflower or grass species that are flowering
 - o **Enhancement** – Has (or has the potential to be) substantial, aesthetically-pleasing impact, if managed appropriately, the existing native wildflower species should be sustainable, and the extent of species should expand.

- o **View only** – Applies to sites not being managed by FDOT or county roadside departments
- **New planting** – Site is suitable for establishing a native wildflower planting that would have substantial, aesthetically-pleasing impact.
- **Do not develop** – Sites to avoid developing into or establishing as a native wildflower site:
 - o Sites that would have had potential as new wildflower sites but were excluded because of invasive, nonnative species.

'Existing Species' refers to species within the right-of-way (ROW) as well as showy native species immediately adjacent to the ROW and easily seen. Species are referred to by their scientific name; common names of all species mentioned in this report are listed in Table 1 (page 29).

All PhotoSite information, recommendations, etc. reflect our consensus opinion.

For all PhotoSites:

- We recorded habitat, GPS coordinates (accurate to 5 m or less), at least one digital image, and a general management recommendation.
- Indicated the best season(s) to view wildflowers.

All species observed are listed in Table 1 (page 29).

A full-color map, ESRI-compliant shape file, and accompanying Excel spreadsheet are included as separate electronic files; a hard copy of the color map is also included.

Results

The wildflower route is entirely in Liberty County and centers around SR 65 from Sumatra to Telogia, which is within the Apalachicola National Forest. This ~26.5-mile section of SR 65 is considered to be the premiere location in Florida to view naturally occurring native wildflowers and grasses. This stretch of road even is considered by some experts to be the best native wildflower road in the lower south. The 250+ native species that occur along SR 65 in the national forest (Appendix, page 36), many of which are wildflowers and grasses, supports this assertion. Roadsides managed by Liberty County (CR 379 and CR 67) also had very showy displays of naturally occurring native wildflowers until mowing began in early May. The best places to view wildflowers along CR 379 were along the Forest Roads off of CR 379, as well as recently burned forested areas and savannahs adjacent to the CR 379 ROWs.

The outstanding displays of native wildflowers and grasses along SR 65 from Telogia to Sumatra is a direct outcome of an agreement between the U.S. Forest Service and FDOT to reduce the frequency and width of mowing; mowing width for much of the year is only 6 ft from the edge of pavement.

We classified all PhotoSites as **View Only** or **Enhancement**. **View Only** PhotoSites along SR 65 in the national forest are already being managed appropriately as noted previously, and



sites on Forest Roads are being managed by the U.S Forest Service. PhotoSites on county roads were classified as **Enhancement** but only to the extent of recommending management practices that would 1) facilitate sustainability and spread of naturally occurring native species, and 2) not alter the potentially delicate balance of composition and relative proportion of native species. Utilizing management practices along county roads similar to those used on SR 65 would likely result in many displays of native wildflowers and grasses along county roads that would rival those on SR 65. We did not mention any **New Planting** sites because we 1) selected a route characterized by numerous naturally occurring stands of native wildflowers, and 2) did want to alter the potentially delicate balance of composition and relative proportion of native species, especially since much of the route is within or in close proximity to the national forest

The prescribed burns used to manage the Apalachicola National Forest frequently result in showy displays of wildflowers, especially the year of the burn. This year was no exception as exemplified by two multi-acre stands of fall wildflowers (see pages 16 and 18).

Other observations, issues, and suggestions that we want to highlight:

1. Nonnative species in significant numbers are noted. Turf species commonly used on roadside for soil stabilization are not mentioned (*Paspalum notatum* [bahiagrass] and *Cynodon dactylon* [bermudagrass]).
2. Wildflower blooming times [as well as length of the blooming period] can be strongly affected by environmental conditions (rain and temperature) and mowing. Mowing, can serve to “deadhead” wildflowers, and in years with adequate rain can result in significant reblooming of species when blooming would not necessarily be expected. Hence, what we observed blooming might not be in bloom to the same degree in future years, or at the same time. Also, in PhotoSites with mixed species, the relative proportion of each species might vary in subsequent years.
3. PhotoSite locations were not listed for the endangered species *Macranthera flammea*, *Pinguicula ionantha* and *Scutellaria floridana*, as well as *Lilium catesbaei*, which is subject to collection.
4. We did not observe any ‘**Do not develop**’ sites along the wildflower routes in which nonnative, invasive species would interfere with an existing stand or the establishment of a new site.
5. For all PhotoSites travelers might consider pulling off the road in a location where it is safe to park, and then explore the site. Wildflowers often are best viewed when walking.

Panhandle Route

The wildflower route is entirely within Liberty County. The outer portion of the loop starts on SR 65 at Telogia, and proceeds south to Sumatra. At Sumatra, proceed northwest on CR 379 to CR 67 at Woods. Proceed east to SR 65 to complete the outer loop. For a smaller loop, take SR 12, which connects CR 379 and SR 65 (Orange to Wilma, respectively); native wildflower and grass species on this segment are similar to those on the outer loop.

Side trip options include:

- A savannah on Forest Road 123, which is off of CR 379 (PhotoSite 8)

- Forest Road 150 off of CR12 (PhotoSite 11)
- CR 67 from SR 65 in Telogia southeast to Forest Hwy 13 (PhotoSite13)

PhotoSite details begin on the next page.

PhotoSite Number 1

Type	View only
Season	Spring, summer, fall
Location	SR 65, Liberty Co., Apal. Nat'l. Forest
Size of entire site	~ 1.7 miles
Lat./long.	North end: +30.28329 -84.84090 South end: +30.26175 -84.85319
Habitat	Ruderal; moist



Images: 5-3-10 (UL), 7-6-10 (MR), 10-4-10 (LL)

Existing Species

Showy	<i>Agalinis fasciculata</i> , <i>Agrostis hyemalis</i> , <i>Aletris lutea</i> , <i>Aletris obovata</i> , <i>Anthaenantia villosa</i> , <i>Balduina uniflora</i> , <i>Bidens mitis</i> , <i>Bigelowia nudata</i> , <i>Burmannia capitata</i> , <i>Calopogon pallidus</i> , <i>Carphephorus odoratissimus</i> , <i>Carphephorus paniculatus</i> , <i>Carphephorus pseudoliatris</i> , <i>Chaptalia</i> <i>tomentosa</i> , <i>Coreopsis lanceolata</i> , <i>Coreopsis linifolia</i> , <i>Ctenium aromaticum</i> , <i>Cyrilla racemiflora</i> , <i>Erigeron vernus</i> , <i>Eriocaulon compressum</i> , <i>Eriocaulon</i> <i>decangulare</i> , <i>Eryngium integrifolium</i> , <i>Eryngium yuccifolium</i> , <i>Eupatorium</i> <i>mohrii</i> , <i>Eupatorium perfoliatum</i> , <i>Eurybia eryngiifolia</i> , <i>Euthamia caroliniana</i> , <i>Gaylussacia dumosa</i> , <i>Gaylussacia mosieri</i> , <i>Gaylussacia nana</i> , <i>Helenium</i> <i>vernale</i> , <i>Helianthus angustifolius</i> , <i>Helianthus heterophyllus</i> , <i>Helianthus</i> <i>radula</i> , <i>Hypericum brachyphyllum</i> , <i>Hypericum cistifolium</i> , <i>Hypericum</i> <i>microsepalum</i> , <i>Hypericum setosum</i> , <i>Kalmia hirsuta</i> ,
-------	---

PhotoSite 1 continued on next page

Showy	<i>Lachnanthes caroliana</i> , <i>Liatris gracilis</i> , <i>Liatris spicata</i> , <i>Lilium catesbaei</i> , <i>Lobelia brevifolia</i> , <i>Lophiola aurea</i> , <i>Ludwigia virgata</i> , <i>Lyonia lucida</i> , <i>Marshallia graminifolia</i> , <i>Mitreola sessilifolia</i> , <i>Oxypolis filiformis</i> , <i>Pityopsis aspera</i> , <i>Pityopsis graminifolia</i> , <i>Pityopsis oligantha</i> , <i>Pleea tenuifolia</i> , <i>Polygala cruciata</i> , <i>Polygala lutea</i> , <i>Polygala ramosa</i> , <i>Rhexia alifanus</i> , <i>Rhexia mariana</i> , <i>Rhexia petiolata</i> , <i>Sabatia brevifolia</i> , <i>Sabatia bartramii</i> , <i>Sabatia stellaris</i> , <i>Sarracenia psittacina</i> , <i>Sarracenia rosea</i> , <i>Solidago fistulosa</i> , <i>Solidago odora</i> , <i>Styrax americanus</i> , <i>Symphyotrichum chapmanii</i> , <i>Tofieldia racemosa</i> , <i>Utricularia juncea</i> , <i>Viola lanceolata</i> , <i>Xyris ambigua</i>
Other	<i>Briza minor</i> , <i>Buchnera americana</i> , <i>Phyla nodiflora</i> , <i>Rhynchospora elliottii</i> , <i>Utricularia subulata</i>

Management Recommendation

N/A; On SR 65 in the Apalachicola National Forest, a reduced mowing width/reduced mowing frequency agreement exists between FDOT and the U.S. Forest Service.

Notes

Two pull-offs: the south end of this PhotoSite is between Forest Road 117 just to the north and Forest Road 187 just to the south.

PhotoSite Number 1a

Type	View only
Season	Spring, summer, fall
Location	SR 65, Liberty Co., Apal. Nat'l. Forest
Size of entire site	~ 0.8 miles
Lat./long.	North end: +30.23925 -84.8728 South end: +30.23016 -84.88127
Habitat	Ruderal; moist



Images: 5-3-10 (UL), 7-6-10 (MR), 9-23-10 (LL)

Existing Species

Showy	<i>Agalinis fasciculata</i> , <i>Agrostis hyemalis</i> , <i>Aletris lutea</i> , <i>Aletris obovata</i> , <i>Anthaenantia villosa</i> , <i>Balduina uniflora</i> , <i>Bidens mitis</i> , <i>Bigelowia nudata</i> , <i>Burmannia capitata</i> , <i>Calopogon pallidus</i> , <i>Carphephorus odoratissimus</i> , <i>Carphephorus paniculatus</i> , <i>Carphephorus pseudoliatris</i> , <i>Chaptalia</i> <i>tomentosa</i> , <i>Coreopsis lanceolata</i> , <i>Coreopsis linifolia</i> , <i>Ctenium aromaticum</i> , <i>Erigeron vernus</i> , <i>Eriocaulon compressum</i> , <i>Eriocaulon decangulare</i> , <i>Eryngium integrifolium</i> , <i>Eryngium yuccifolium</i> , <i>Eupatorium alba</i> , <i>Eupatorium</i> <i>mohrii</i> , <i>Eupatorium rotundifolium</i> , <i>Eurybia eryngifolia</i> , <i>Euthamia caroliniana</i> , <i>Helenium vernale</i> , <i>Gaylussacia dumosa</i> , <i>Gaylussacia mosieri</i> , <i>Gaylussacia</i> <i>nana</i> , <i>Helianthus angustifolius</i> , <i>Helianthus heterophyllus</i> , <i>Helianthus radula</i> , <i>Hypericum brachyphyllum</i> , <i>Hypericum chapmanii</i> , <i>Hypericum cistifolium</i> , <i>Hypericum microsepalum</i> , <i>Hypericum setosum</i> , <i>Lachnanthes caroliniana</i> , <i>Liatris gracilis</i> , <i>Liatris spicata</i> , <i>Lilium catesbaei</i> , <i>Lophiola aurea</i> ,
-------	---

PhotoSite 1a continued on next page

Showy	<i>Ludwigia virgata</i> , <i>Lyonia lucida</i> , <i>Marshallia graminifolia</i> , <i>Mitreola sessilifolia</i> , <i>Oxypolis filiformis</i> , <i>Phoebanthus tenuifolius</i> , <i>Pityopsis aspera</i> , <i>Pityopsis graminifolia</i> , <i>Pleea tenuifolia</i> , <i>Pluchea baccharis</i> , <i>Polygala cruciata</i> , <i>Polygala lutea</i> , <i>Polygala ramosa</i> , <i>Rhexia alifanus</i> , <i>Rhexia lutea</i> , <i>Rhexia mariana</i> , <i>Rhexia petiolata</i> , <i>Rudbeckia graminifolia</i> , <i>Rudbeckia mohrii</i> , <i>Rhynchospora latifolia</i> , <i>Sabatia brevifolia</i> , <i>Sabatia stellaris</i> , <i>Sarracenia psittacina</i> , <i>Sarracenia rosea</i> , <i>Solidago fistulosa</i> , <i>Solidago odora</i> , <i>Symphyotrichum chapmanii</i> , <i>Trichostema dichotomum</i> , <i>Utricularia cornuta</i> , <i>Utricularia juncea</i> , <i>Viola lanceolata</i> , <i>Xyris ambigua</i>
Other	<i>Briza minor</i> , <i>Buchnera americana</i> , <i>Utricularia subulata</i>

Management Recommendation

N/A; On SR 65 in the Apalachicola National Forest, a reduced mowing width/reduced mowing frequency agreement exists between FDOT and the U.S. Forest Service.

Notes

Carphephorus paniculatus was abundant at the north end on Oct. 4.

PhotoSite Number 2

Type	View only
Season	Spring, summer, fall
Location	SR 65, Liberty Co., Apal. Nat'l. Forest
Size of entire site	~ 2 miles
Lat./long.	North end: +30.22291 -84.88802 South end: +30.20108, -84.91202 (near FR 118)
Habitat	Ruderal; moist



Images: 4-22-10 (UL), 7-6-10 (MR), 10-4-10 (LL)

Existing Species

Showy	<i>Agalinis fasciculata</i> , <i>Andropogon virginicus</i> var. <i>glaucus</i> , <i>Aletris lutea</i> , <i>Bigelowia nudata</i> , <i>Burmannia capitata</i> , <i>Carphephorus odoratissimus</i> , <i>Chaptalia tomentosa</i> , <i>Cliftonia monophylla</i> , <i>Coreopsis lanceolata</i> , <i>Coreopsis linifolia</i> , <i>Erigeron vernus</i> , <i>Eriocaulon compressum</i> , <i>Eriocaulon</i> <i>decangulare</i> , <i>Eupatorium album</i> , <i>Euthamia caroliniana</i> , <i>Helenium vernale</i> , <i>Helianthus angustifolius</i> , <i>Helianthus heterophyllus</i> , <i>Helianthus radula</i> , <i>Hypericum galiodes</i> , <i>Hypericum microsepalum</i> , <i>Lachnanthes caroliniana</i> , <i>Liatris chapmanii</i> , <i>Liatris spicata</i> , <i>Lobelia floridana</i> , <i>Lophiola aurea</i> , <i>Ludwigia virgata</i> , <i>Lyonia lucida</i> , <i>Pleea tenuifolia</i> , <i>Polygala cruciata</i> , <i>Polygala</i> <i>lutea</i> , <i>Rhexia alifanus</i> , <i>Rhexia lutea</i> , <i>Rhexia mariana</i> , <i>Rhexia virginica</i> , <i>Rudbeckia graminifolia</i> , <i>Sabatia brevifolia</i> , <i>Sarracenia psittacina</i> , <i>Sarracenia rosea</i> , <i>Seymeria cassioides</i> , <i>Solidago fistulosa</i> , <i>Solidago odora</i> ,
-------	--

PhotoSite 2 continued on next page

Showy	<i>Symphyotrichum chapmanii</i> , <i>Tofieldia racemosa</i> , <i>Tradescantia ohiensis</i> , <i>Trichostema dichotomum</i> , <i>Viola lanceolata</i> , <i>Xyris caroliniana</i> , <i>Xyris</i> sp.
Other	<i>Briza minor</i> , <i>Drosera capillaris</i>

Management Recommendation

N/A; On SR 65 in the Apalachicola National Forest, a reduced mowing width/reduced mowing frequency agreement exists between FDOT and the U.S. Forest Service.

Notes

Very similar in species composition to PhotoSites 1 and 1a.

PhotoSite Number 3

Type	View only
Season	Spring, summer, fall
Location	SR 65, Liberty Co., Apal. Nat'l. Forest
Size of entire site	~ 1/4 mile
Lat./long.	North end: +30.16806 -84.95177 South end: +30.16551 -84.95423
Habitat	Ruderal; moist



Images: 4-22-10 (UL), 7-6-10 (MR), 9-23-10 (LL)

Existing Species

Showy	<i>Aletris lutea</i> , <i>Bidens mitis</i> , <i>Coreopsis lanceolata</i> , <i>Coreopsis nudata</i> , <i>Elephantopus carolinianus</i> , <i>Erigeron quercifolius</i> , <i>Erigeron vernus</i> , <i>Eriocaulon</i> <i>compressum</i> , <i>Eriocaulon decangulare</i> , <i>Helenium vernale</i> , <i>Lachnanthes</i> <i>caroliana</i> , <i>Lilium catesbaei</i> , <i>Lophiola aurea</i> , <i>Ludwigia virgata</i> , <i>Helenium</i> <i>vernale</i> , <i>Rhexia alifanus</i> , <i>Rhexia lutea</i> , <i>Rhexia mariana</i> , <i>Rhexia virginiana</i> , <i>Sabatia bartramii</i> , <i>Sarracenia flava</i> , <i>Sarracenia psittacina</i> , <i>Xyris</i> sp.
Other	<i>Drosera capillaris</i>

Management Recommendation

N/A; On SR 65 in the Apalachicola National Forest, a reduced mowing width/reduced mowing frequency agreement exists between FDOT and the U.S. Forest Service.

PhotoSite 3 continued on next page

Notes

Image on p. 11 shown for Apr. 22 is at north end; most spring flowering species were in southern half. Better flowering in summer throughout site.

PhotoSite Number 4

Type View only
Season Spring,
 summer, fall
Location SR 65, Liberty
 Co., Apal.
 Nat'l. Forest;
 2nd savannah
 north of
 Sumatra
Size of
entire site ~2 acres
Lat./long. +30.08374
 -84.98342
Habitat Savannah



Image: 4-22-10 (UL), 6-14-10 (MR), 9-23-10 (LL)

Existing Species

Showy *Agalinis aphylla*, *Agalinis filicaulis*, *Agalinis linifolia*, *Aletris lutea*, *Asclepias connivens*, *Balduina uniflora*, *Calopogon barbatus*, *Calopogon pallidus*, *Coreopsis lanceolata*, *Coreopsis nudata*, *Drosera tracyi*, *Eurybia eryngifolia*, *Eriocaulon compressum*, *Helenium vernale*, *Hypericum brachyphyllum*, *Hypericum chapmanii*, *Hypericum cistifolium*, *Lilium catesbaei*, *Oxypolis filiformis*, *Pinguicula planifolia*, *Pityopsis oligantha*, *Polygala chapmanii*, *Polygala cymosa*, *Polygala ramosa*, *Rhexia alifanus*, *Rhynchospora latifolia*, *Sabatia bartramii*, *Sarracenia flava*, *Sarracenia psittacina*, *Sarracenia rosea*, *Tofieldia racemosa*, *Utricularia cornuta*,

PhotoSite 4 continued on next page

Showy *Utricularia subulata*, *Zigadenus glaberrimus*

Other *Drosera capillaris*

Management recommendation

N/A; PhotoSite is in Apalachicola National Forest immediately adjacent to SR 65; site is easily accessible by foot.

PhotoSite Number 5

Type View only
Season Spring,
summer, fall
Location SR 65, Liberty
Co., Apal.
Nat'l. Forest;
1st savannah
north of
Sumatra
Size of
entire site ~10+ acres
Lat./long. +30.04304
-84.98367
Habitat Savannah



Images: 5-3-10 (UL), 6-14-10 (MR), 9-23-10 (LL)

Existing Species

Showy *Calopogon pallidus* *Coreopsis lanceolata*, *Eriocaulon compressum*,
Eriocaulon decangulare, *Hypericum crux-andreae*, *Lachnanthes caroliana*,
Lophiola aurea, *Physostegia godfreyi*, *Polygala chapmanii*, *Polygala*
racemosa, *Rhexia alifanus*, *Rhexia lutea*, *Rhexia mariana*, *Rudbeckia*
graminifolia, *Sabatia bartramii*, *Sarracenia flava*

Management recommendation

N/A; PhotoSite is in Apalachicola National Forest immediately adjacent to SR 65; site is easily accessible by foot.

Notes

Showiness: fall > summer > spring; showy wildflowers scattered throughout savannah.

PhotoSite Number 6

Type	Enhancement
Season	Spring, fall
Location	CR 379, Liberty County
Size of entire site	~ 2 miles
Lat./long.	North end: +30.04312 -85.00924 South end: +30.02822 -84.98820 (SW Dink Langston Rd.)
Habitat	Ruderal; moist to dry



Images: 4-22-10 (UL), 7-6-10 (UM), 9-23-10 (MR, ML),
10-4-10 (LR) (*between PS 6 and 7)

PhotoSite 6 continued on next page

Existing Species

Showy	<i>Arnoglossum ovatum</i> , <i>Bigelowia nudata</i> , <i>Boltonia diffusa</i> , <i>Carphephorus odoratissimus</i> , <i>Ceanothus microphyllus</i> , <i>Chaptalia tomentosa</i> , <i>Cirsium horridulum</i> , <i>Coreopsis floridana</i> , <i>Coreopsis lanceolata</i> , <i>Coreopsis nudata</i> , <i>Erigeron vernus</i> , <i>Eriocaulon compressum</i> , <i>Eryngium integrifolium</i> , <i>Eupatorium mohrii</i> , <i>Eupatorium pilosum</i> , <i>Eupatorium semiserratum</i> , <i>Eurybia eryngifolia</i> , <i>Euthamia caroliniana</i> , <i>Helianthus radula</i> , <i>Hypericum microsepalum</i> , <i>Hypericum suffruticosum</i> , <i>Hyptis alatus</i> , <i>Liatris gracilis</i> , <i>Lophiola aurea</i> , <i>Ludwigia virgata</i> , <i>Mitreola petiolata</i> , <i>Phlox floridana</i> , <i>Phoebanthus tenuifolius</i> , <i>Pityopsis graminifolia</i> , <i>Polygala nana</i> , <i>Rhexia alifanus</i> , <i>Rhexia lutea</i> , <i>Rhexia mariana</i> , <i>Rhynchospora latifolia</i> , <i>Rudbeckia graminifolia</i> , <i>Sabatia bartramii</i> , <i>Sabatia brevifolia</i> , <i>Sagittaria graminea</i> , <i>Solidago stricta</i> , <i>Stachys floridana</i> , <i>Tradescantia ohiensis</i> , <i>Trichostema dichotomum</i>
Other	Native: <i>Drosera brevifolia</i> , <i>Drosera capillaris</i> , <i>Gaura angustifolia</i> , <i>Valerianella radiata</i> Nonnative: <i>Sisyrinchium rosulatum</i>

Management Recommendation

Avoid mowing between Feb. 15 and Nov. 21, except for ≤ 10 feet from edge of pavement for safety purposes.

Notes

Nearly all of these wildflowers were mowed the first week of May. Would be a good summer site if mowing was limited; sporadic showy wildflowers. Most wildflowers beyond mow zone. Summer and fall – best beyond mow zone.

*Between PhotoSites 6 and 7: Summer, fall – some showy wildflower displays, especially in recently burned forest and savannah on east side of CR 379. Species – *Rhynchospora colorata*, *Liatris spicata*, *Rudbeckia graminifolia*, *Xyris* sp.

PhotoSite Number 7

Type Enhancement

Season Spring,
 summer, fall

Location CR 379,
 Liberty Co., a
 pullout about
 0.9 north of
 Forest Road
 123 SW
 (+ savannah
 on east side)

Size of
entire site

N/A

Lat./long. +30.07824
 -85.03379

Habitat Ruderal (moist
 to dry);
 savannah



Images: 4-22-10 (UL), 7-6-10 (MR), 9-23-10 (ML), 10-4-10
(bottom)

Existing Species

Showy *Aletris lutea*, *Asclepias longifolia*, *Buchnera americana*, *Calopogon pallidus*,
Cirsium horridulum, *Coreopsis lanceolata*, *Coreopsis nudata*, *Ctenium*
aromaticum, *Cyrilla racemiflora*, *Erigeron vernus*, *Eriocaulon compressum*,
Eryngium yuccifolium, *Habenaria nivea*, *Helenium vernale*, *Helianthus*
heterophyllus, *Helianthus radula*, *Lachnanthes caroliniana*, *Liatris spicata*,
Lobelia paludosa, *Ludwigia virgata*, *Oclemena reticulata*, *Pinguicula pumila*,
Pityopsis oligantha, *Polygala lutea*, *Rhexia alifanus*, *Rhynchospora latifolia*,

PhotoSite 7 continued on next page

Showy	<i>Rudbeckia graminifolia</i> , <i>Sagittaria graminea</i> , <i>Salvia lyrata</i> , <i>Symphyotrichum chapmanii</i> , <i>Tofieldia racemosa</i>
Other	<i>Valerianella radiata</i>

Management Recommendation

Avoid mowing between Feb. 15 and Nov. 21, except for ≤ 10 feet from edge of pavement for safety purposes.

Notes

Nearly all spring wildflowers were mowed the first week of May. Spring better than summer due primarily to aggressive mowing, although there were some showy summer displays on CR 379, and especially in the recently burned savannah. Fall was stunning, mainly beyond mow zone. This roadside is very rich and can be extremely attractive spring, summer, and fall in the absence of mowing.

PhotoSite Number 8

Type View only

Season Summer, fall

Location Savannah on Forest Road 123 (NE); FR 123 off of CR 379, Liberty Co.

Size of entire site ~ 50 acres

Lat./long. Savannah: +30.10991 -85.02231
[CR379/FR123: +30.08925 -85.04282]

Habitat Savannah



Images: 7-6-10 (UL), 10-4-10 (MR, LL) (* FR123 adjacent to PS 8)

Existing Species

Showy *Boltonia diffusa*, *Calopogon multiflorus*, *Carphephorus odoratissimus*, *Carphephorus pseudoliatris*, *Coreopsis lanceolata*, *Coreopsis linifolia*, *Ctenium aromaticum*, *Dalea gracilis*, *Erigeron vernus*, *Eriocaulon decangulare*, *Eupatorium album*, *Eupatorium rotundifolium*, *Eurybia eryngifolia*, *Helianthus heterophyllus*, *Liatris spicata*, *Lobelia paludosa*,

PhotoSite 8 continued on next page

Showy *Ludwigia virgata*, *Oclemena reticulata*, *Phoebanthus tenuifolius*, *Pityopsis oligantha*, *Rhexia alifanus*, *Rhexia mariana*, *Ruellia ciliosa*,
Symphyotrichum chapmanii, *Stenanthium densum*, *Utricularia cornuta*

Management Recommendation

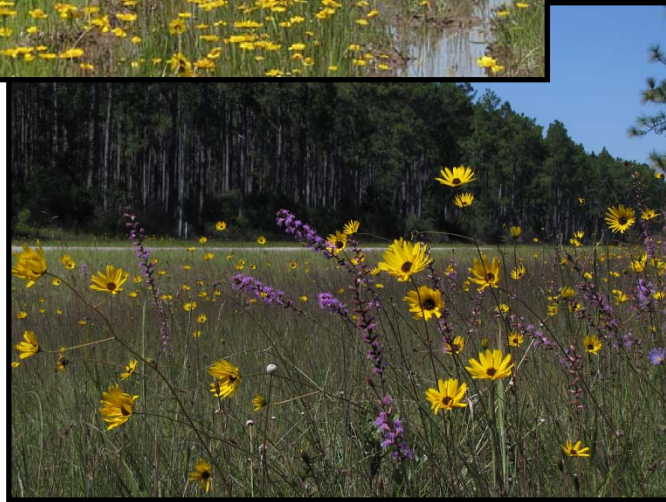
N/A; PhotoSite is in the Apalachicola National Forest.

Notes

While this site is a beautiful savannah year round, most of the showier wildflowers were observed mainly in summer and fall. Showy displays of wildflowers along FR 123 while traveling to savannah. Showy displays result of burn in late May 2010.

PhotoSite Number 9

Type	Enhancement
Season	Spring, fall
Location	CR 379, Liberty Co., starting at Forest Road 123 (NE) proceeding northwest to Forest Road 180
Size of entire site	~1.5 miles
Lat./long.	North end: +30.10565 -85.06005 South end: +30.08925 -85.04282
Habitat	Ruderal; moist to dry



Images: 4-22-10 (UL), 10-4-10 (LR)

Existing Species

Showy	<i>Aletris lutea</i> , <i>Aster chapmanii</i> , <i>Cirsium horridulum</i> , <i>Coreopsis lanceolata</i> , <i>Coreopsis nudata</i> , <i>Erigeron vernus</i> , <i>Eriocaulon compressum</i> , <i>Helenium vernale</i> , <i>Helianthus heterophyllus</i> , <i>Helianthus radula</i> , <i>Liatris spicata</i> , <i>Pinguicula pumila</i> , <i>Polygala lutea</i> , <i>Sagittaria graminea</i> , <i>Salvia lyrata</i> , <i>Viola lanceolata</i>
Other	<i>Drosera capillaris</i> , <i>Valerianella radiata</i>

Management Recommendation

Avoid mowing between Feb. 15 and Nov. 21, except for ≤ 10 feet from edge of pavement for safety purposes.

Notes

Nearly all of the spring wildflowers were mowed the first week of May. Summer – mowing resulted in only sporadic wildflowers in ROW (mainly along back edge of mow zone); some showy wildflowers in savannah to the east of CR379. Fall – mowing resulted in most showy wildflowers occurring beyond mow zone. This roadside is very rich and can be extremely attractive spring, summer, and fall in the absence of mowing.

PhotoSite Number 10

Type Enhancement

Season Spring

Location CR 379,
Liberty Co.,
just north of
Forest Road
115

Size of
entire site ~ 0.5 acres

Lat./long. +30.11894
 -85.06024

Habitat Ruderal; moist
 to dry



Image: 5-3-10

Existing Species

Showy *Aletris lutea*, *Asclepias longifolium*, *Chaptalia tomentosa*, *Cirsium horridulum*, *Coreopsis lanceolata*, *Coreopsis nudata*, *Erigeron vernus*, *Eriocaulon compressum*, *Polygala ramosa*, *Rhynchospora latifolia*, *Sagittaria graminea*

Other *Drosera capillaris*

Management Recommendation

Avoid mowing between Feb. 15 and Nov. 21, except for ≤ 10 feet from edge of pavement for safety purposes.

Notes

Nearly all of the spring wildflowers were mowed the first week of May. Summer – mowing has resulted in only sporadic wildflowers in ROW (along back edge of mow zone). This roadside is very rich and can be extremely attractive spring, summer, and fall in the absence of mowing.

PhotoSite Number 11

Type	View only
Season	Spring, summer, fall
Location	Forest Road 150, Liberty Co., at CR12, to Florida Trail crossing
Size of entire site	~ 1.4 miles
Lat./long.	West end: +30.2973 -85.01869 East end: + 30.2920 -85.0063
Habitat	Flatwoods; savannah at Florida trail crossing



Images: 5-3-10 (UL), 7-6-10 (MR), 9-23-10 (ML),
10-4-10 (LR)

PhotoSite 11 continued on next page

Existing Species

Showy *Agalinis filicaulis*, *Agalinis obtusifolia*, *Asclepias connivens*, *Asclepias longifolia*, *Aletris lutea*, *Baptisia lanceolata*, *Bigelowia nudata*, *Boltonia diffusa*, *Carphephorus odoratissimus*, *Carphephorus pseudoliatris*, *Cirsium horridulum*, *Coreopsis lanceolata*, *Coreopsis linifolia*, *Ctenium aromaticum*, *Eriocaulon decangulare*, *Eupatorium mohrii*, *Eupatorium leucolepis*, *Eupatorium semiserratum*, *Eurybia eryngifolia*, *Helianthus angustifolius**, *Helianthus radula*, *Hibiscus aculeatus*, *Liatris spicata*, *Lobelia paludosus*, *Physostegia godfreyi*, *Polygala cruciata*, *Polygala nana*, *Polygala ramosa*, *Rhexia alifanus*, *Rhexia mariana*, *Rudbeckia hirta*, *Rudbeckia mohrii*, *Sabatia stellaris*, *Seymeria cassioides*, *Stenanthium densum*, *Symphyotrichum chapmanii*, *Xyris* spp.

Other *Valerianella radiata*

Management Recommendation

N/A; PhotoSite is in Apalachicola National Forest.

Notes

Showiness: Fall > Spring > Summer. **Helianthus angustifolius* – along FR 150.

PhotoSite Number 12

Type	Enhancement
Season	Spring, fall
Location	CR 67, Liberty Co., CR 12 to Telogia (SR 65)
Size of entire site	~10.7 miles
Lat./long.	West end: +30.346825 -84.986617 East end: +30.35078 -84.81957
Habitat	Ruderal; moist to dry



Images: 5-3-10 (UL), 9-23-10 (LR)

Existing Species

Showy	<i>Agrostis hyemalis</i> , <i>Aletris lutea</i> , <i>Balduina angustifolia</i> , <i>Berlandiera pumila</i> , <i>Cirsium horridulum</i> , <i>Coreopsis lanceolata</i> , <i>Croptilon divaricatum</i> , <i>Dalea pinnata</i> , <i>Drosera tracyi</i> , <i>Erigeron strigosus</i> , <i>Erigeron vernus</i> , <i>Eriocaulon</i> sp., <i>Lachnocaulon</i> sp., <i>Liatris chapmanii</i> , <i>Liatris tenuifolia</i> , <i>Lobelia paludosa</i> , <i>Oenothera laciniata</i> , <i>Piriqueta cistoides</i> , <i>Polygala lutea</i> , <i>Rhynchospora colorata</i> , <i>Rubus</i> sp., <i>Sagittaria graminea</i> , <i>Salvia lyrata</i> , <i>Sarracenia psittacina</i> , <i>Scutellaria integrifolia</i> , <i>Solidago odora</i> , <i>Tradescantia hirsutiflora</i> , <i>Tradescantia ohimensis</i>
Other	<i>Allium canadense</i> var. <i>canadense</i> , <i>Gaura angustifolia</i> , <i>Juncus marginatus</i> , <i>Lepidium virginicum</i>

Management Recommendation

Avoid mowing between Feb. 15 and Nov. 21, except for ≤ 10 feet from edge of pavement for safety purposes.

Notes

Nearly all of the spring wildflowers were mowed the first week of May. Summer – mowing resulted in only sporadic wildflowers in ROW. Fall – Wildflowers mainly on back slope beyond mow zone.

PhotoSite Number 13

Type	Enhancement
Season	Spring, summer*, fall
Location	CR 67, Liberty Co., Telogia to Forest Hwy. 13
Size of entire site	~ 16+ miles
Lat./long.	N-West end: +30.35078 -84.81933 S-East end: +30.15997 -84.71428
Habitat	Ruderal; moist to dry



Images: 5-3-10 (UL), 7-6-10 (MR, ML),
9-23-10 (LR)

Existing Species

Showy *Agrostis hyemalis*, *Aletris lutea*, *Bidens mitis**, *Coreopsis lanceolata*, *Erigeron vernus*, *Eriocaulon compressum*, *Helinathus* spp. *, *Helenium* sp., *Juncus* sp., *Liatris spicata**, *Oxypolis filiformis*, *Pleea tenuifolia**, *Polygala lutea*, *Sabatia brevifolia**, *Sagittaria graminea*, *Salvia lyrata*, *Sarracenia psittacina*, *Sarracenia rosea*, *Stenanthium densum*;

PhotoSite 13 continued on next page

- Showy Summer site (6 July; see also Notes) – *Bigelowia nudata*, *Buchnera americana*, *Clethra alnifolia*, *Coreopsis lanceolata*, *Cyrilla racemiflora*, *Erigeron vernus*, *Eriocaulon decangulare*, *Eryngium integrifolium*, *Hypericum cistifolium*, *Lachnanthes caroliana*, *Lobelia floridana*, *Lophiola aurea*, *Ludwigia virgata*, *Polygala cruciata*, *Polygala cymosa*, *Polygala lutea*, *Rhexia mariana*, *Sabatia bartramii*, *Sabatia stellaris*, *Tofieldia racemosa*
- Other *Gaura angustifolia*, *Juncus* sp.

Management Recommendation

Avoid mowing between Feb. 15 and Nov. 21, except for ≤ 10 feet from edge of pavement for safety purposes.

Notes

Nearly all of the spring wildflowers were mowed the first week of May. Summer – mowing resulted in only sporadic wildflowers in ROW, except for a $\frac{1}{4}$ to $\frac{1}{2}$ acre site with a showy display of summer wildflowers (July 6; lat./long. +30.233333, -84.733333).

*Fall – *Bidens mitis*, *Helianthus* spp., and *Pleea tenuifolia* were locally abundant; *Bigelowia nudata*, *Liatris spicata*, *Oxypolis filiformis*, and *Sabatia brevifolia* occurred sporadically.

Table 1. Scientific and common names of species mentioned in this report. The common names are those listed by the Atlas of Florida Vascular Plants (<http://florida.plantatlas.usf.edu/>) as of November 16, 2010. Form: WF = Wildflower; GR = Grass; SH=Showy shrub; SG=Sedge; R = Rush.

Scientific name	Type	Common name
<i>Agalinis aphylla</i>	WF	Scaleleaf False Foxglove
<i>Agalinis fasciculata</i>	WF	Beach False Foxglove
<i>Agalinis filicaulis</i>	WF	Jackson False Foxglove
<i>Agalinis linifolia</i>	WF	Flaxleaf False Foxglove
<i>Agalinis obtusifolia</i>	WF	Tenlobe False Foxglove
<i>Agrostis hyemalis</i>	GR	Ticklegrass
<i>Aletris lutea</i>	WF	Yellow Colicroot
<i>Aletris obovata</i>	WF	Colicroot
<i>Allium canadense</i> var. <i>canadense</i>	WF	Meadow Garlic
<i>Anthraenantia villosa</i>	GR	Green Silkyscale
<i>Arnica acaulis</i>	WF	Common Leopardbane
<i>Arnoglossum ovatum</i>	WF	Ovateleaf Indian Plantain
<i>Asclepias connivens</i>	WF	Largeflower Milkweed
<i>Asclepias longifolia</i>	WF	Longleaf Milkweed
<i>Asclepias michauxii</i>	WF	Michaux's Milkweed
<i>Baptisia lanceolata</i>	WF	Gopherweed
<i>Baptisia simplicifolia</i>	WF	Scareweed
<i>Balduina angustifolia</i>	WF	Coastalplain Honeycombhead
<i>Balduina uniflora</i>	WF	Oneflower Honeycombhead
<i>Berlandiera pumila</i>	WF	Soft Greeneyes
<i>Bidens mitis</i>	WF	Smallfruit Beggarticks
<i>Bigelowia nudata</i>	WF	Pineland Rayless Goldenrod
<i>Boltonia diffusa</i>	WF	Smallhead Doll's Daisy
<i>Briza minor</i>	GR	Little Quakinggrass
<i>Buchnera americana</i>	WF	American Bluehearts
<i>Burmannia capitata</i>	WF	Southern Bluethread

<i>Calopogon barbatus</i>	WF	Bearded Grasspink
<i>Calopogon multiflorus</i>	WF	Manyflowered Grasspink
<i>Calopogon pallidus</i>	WF	Pale Grasspink
<i>Calopogon tuberosus</i>	WF	Tuberous Grasspink
<i>Carphephorus odoratissimus</i>	WF	Vanillaleaf
<i>Carphephorus paniculatus</i>	WF	Hairy Chaffhead
<i>Carphephorus pseudoliatris</i>	WF	Bristleleaf Chaffhead
<i>Ceanothus microphyllus</i>	SH	Littleleaf Buckbrush
<i>Chaptalia tomentosa</i>	WF	Wooly Sunbonnets
<i>Cirsium horridulum</i>	WF	Purple Thistle
<i>Clethra alnifolia</i>	WF	Coastal Sweetpepperbush
<i>Cliftonia monophylla</i>	SH	Black Titi
<i>Coreopsis floridana</i>	WF	Florida Tickseed
<i>Coreopsis lanceolata</i>	WF	Lanceleaf Tickseed
<i>Coreopsis linifolia</i>	WF	Texas Tickseed
<i>Coreopsis nudata</i>	WF	Georgia Tickseed
<i>Croptilon divaricatum</i>	WF	Slender Scratchdaisy
<i>Ctenium aromaticum</i>	GR	Toothachegrass
<i>Cyrilla racemiflora</i>	SH	Titi
<i>Dalea carnea</i> var. <i>gracilis</i>	WF	Whitetassels
<i>Dalea pinnata</i>	WF	Summer Farewell
<i>Drosera brevifolia</i>	WF	Dwarf Sundew
<i>Drosera capillaris</i>	WF	Pink Sundew
<i>Drosera tracyi</i>	WF	Tracy's Sundew
<i>Elephantopus carolinianus</i>	WF	Carolina Elephantsfoot
<i>Erigeron quercifolius</i>	WF	Oakleaf Fleabane
<i>Erigeron strigosus</i>	WF	Prairie Fleabane
<i>Erigeron vernus</i>	WF	Early Whitetop Fleabane
<i>Eriocaulon compressum</i>	WF	Flattened Pipewort
<i>Eriocaulon decangulare</i>	WF	Tenangle Pipewort

<i>Eriocaulon</i> sp.	WF	Pipewort
<i>Eryngium integrifolium</i>	WF	Blueflower Eryngo
<i>Eryngium yuccifolium</i>	WF	Button Rattlesnakemaster
<i>Eupatorium album</i>	WF	White Thoroughwort
<i>Eupatorium leucolepis</i>	WF	Justiceweed
<i>Eupatorium mohrii</i>	WF	Mohr's Thoroughwort
<i>Eupatorium perfoliatum</i>	WF	Common Boneset
<i>Eupatorium pilosum</i>	WF	Rough Boneset
<i>Eupatorium rotundifolium</i>	WF	Roundleaf Thoroughwort
<i>Eupatorium semiserratum</i>	WF	Smallflower Thoroughwort
<i>Eurybia eryngiifolia</i>	WF	Thistleleaf Aster
<i>Euthamia caroliniana</i>	WF	Slender Flattop Goldenrod
<i>Gaura angustifolia</i>	WF	Southern Beeblossom
<i>Gaylussacia dumosa</i>	SH	Dwarf Huckleberry
<i>Gaylussacia mosieri</i>	SH	Wooly Huckleberry
<i>Gaylussacia nana</i> (<i>Gaylussacia frondosa</i> var. <i>tomentosa</i>)	SH	Blue Huckleberry
<i>Habenaria nivea</i> (= <i>Platanthera nivea</i>)	WF	Snowy Orchid
<i>Helenium pinnatifidum</i>	WF	Southeastern Sneezeweed
<i>Helenium</i> sp.	WF	Sneezeweed
<i>Helenium vernale</i>	WF	Savannah Sneezeweed
<i>Helianthus angustifolius</i>	WF	Narrowleaf Sunflower
<i>Helianthus heterophyllus</i>	WF	Variableleaf Sunflower
<i>Helianthus radula</i>	WF	Rayless Sunflower
<i>Hibiscus aculeatus</i>	WF	Comfortroot
<i>Hypericum brachyphyllum</i>	SH	Coastalplain St. John's-Wort
<i>Hypericum chapmanii</i>	SH	Apalachicola St. John's-Wort
<i>Hypericum cistifolium</i>	SH	Roundpod St. John's-Wort
<i>Hypericum crux-andreae</i>	SH	St. Peter's-Wort
<i>Hypericum galioides</i>	SH	Bedstraw St. John's-Wort

<i>Hypericum microsepalum</i>	SH	Flatwoods St. John's-Wort
<i>Hypericum setosum</i>	SH	Hairy St. John's-Wort
<i>Hypericum suffruticosum</i>	SH	Pineland St. John's-Wort
<i>Hypoxis</i> sp.	WF	Stargrass
<i>Juncus marginatus</i>	R	Shore Rush
<i>Juncus</i> sp.	R	Rush
<i>Kalmia hirsuta</i>	SH	Wicky; Hairy Laurel
<i>Lachnanthes caroliana</i>	WF	Carolina Redroot
<i>Lachnocaulon</i> sp.	WF	Bogbutton
<i>Lepidium virginicum</i>	WF	Virginia Pepperweed
<i>Liatris chapmani</i>	WF	Chapman's Blazingstar
<i>Liatris gracilis</i>	WF	Slender Blazingstar
<i>Liatris spicata</i>	WF	Dense Blazingstar
<i>Liatris tenuifolia</i>	WF	Shortleaf Blazingstar
<i>Lilium catesbaei</i>	WF	Catesby's Lily
<i>Linaria texana</i>	WF	Texas Toadflax
<i>Linum</i> sp.	WF	Flax
<i>Lobelia brevifolia</i>	WF	Shortleaf Lobelia
<i>Lobelia floridana</i>	WF	Florida Lobelia
<i>Lobelia paludosa</i>	WF	White Lobelia
<i>Lophiola aurea</i>	WF	Golden Crest
<i>Ludwigia virgata</i>	WF	Savannah Primrosewillow
<i>Lupinus villosus</i>	WF	Lady Lupine
<i>Lyonia lucida</i>	SH	Fetterbush
<i>Macranthera flammea</i>	SH	Flameflower
<i>Marshallia graminifolia</i> (=tenuifolia)	WF	Grassleaf Barbara's Buttons
<i>Mitreola petiolata</i>	WF	Lax Hornpod
<i>Mitreola sessilifolia</i>	WF	Swamp Hornpod
<i>Oclemena reticulata</i>	WF	Whitetop Aster
<i>Oenothera laciniata</i>	WF	Cutleaf Eveningprimrose

<i>Oxypolis filiformis</i>	WF	Water Cowbane
<i>Phlox floridana</i>	WF	Florida Phlox
<i>Phoebanthus tenuifolius</i>	WF	Pineland False Sunflower
<i>Phyla nodiflora</i>	WF	Turkey Tangle Frogfruit; Capeweed
<i>Physostegia godfreyi</i>	WF	Godfrey's False Dragonhead
<i>Pinguicula ionantha</i>	WF	Violet Butterwort
<i>Pinguicula lutea</i>	WF	Yellow Butterwort
<i>Pinguicula planifolia</i>	WF	Chapman's Butterwort
<i>Pinguicula pumila</i>	WF	Small Butterwort
<i>Piriqueta cistoides</i>	WF	Pitted Stripeseed
<i>Pityopsis aspera</i>	WF	Pineland Silkgrass
<i>Pityopsis graminifolia</i>	WF	Narrowleaf Silkgrass
<i>Pityopsis oligantha</i>	WF	Grassleaf Goldenaster
<i>Pleea tenuifolia</i>	WF	Rush Featherling
<i>Pluchea baccharis</i>	WF	Rosy Camphorweed
<i>Pogonia ophioglossoides</i>	WF	Rose Pogonia
<i>Polygala chapmanii</i>	WF	Chapman's Milkwort
<i>Polygala cruciata</i>	WF	Drumheads
<i>Polygala cymosa</i>	WF	Tall Pinebarren Milkwort
<i>Polygala lutea</i>	WF	Orange Milkwort
<i>Polygala nana</i>	WF	Candyroot
<i>Polygala ramosa</i>	WF	Low Pinebarren Milkwort
<i>Polypremum procumbens</i>	WF	Rustweed
<i>Rhexia alifanus</i>	WF	Savannah Meadowbeauty
<i>Rhexia lutea</i>	WF	Yellow Meadowbeauty
<i>Rhexia mariana</i>	WF	Pale Meadowbeauty
<i>Rhexia petiolata</i>	WF	Fringed Meadowbeauty
<i>Rhexia virginica</i>	WF	Handsome Harry
<i>Rhynchospora colorata</i>	SG	Starrush Whitetop
<i>Rhynchospora elliottii</i>	SG	Elliot's Beaksedge

<i>Rhynchospora latifolia</i>	SG	Giant Whitetop
<i>Rubus cuneifolius</i>	VN	Sand Blackberry
<i>Rudbeckia graminifolia</i>	WF	Grassleaf Coneflower
<i>Rudbeckia hirta</i>	WF	Blackeyed Susan
<i>Rudbeckia mohrii</i>	WF	Mohr's Coneflower
<i>Sabatia brevifolia</i>	WF	Shortleaf Rosegentian
<i>Sabatia decandra</i> (=bartramii)	WF	Bartram's Rosegentian
<i>Sabatia quadrangula</i>	WF	Fourangle Rosegentian
<i>Sabatia stellaris</i>	WF	Rose-of-Plymouth
<i>Sagittaria graminea</i>	WF	Grassy Arrowhead
<i>Salvia lyrata</i>	WF	Lyreleaf Sage
<i>Sarracenia flava</i>	WF	Yellow Pitcherplant
<i>Sarracenia psittacina</i>	WF	Parrot Pitcherplant
<i>Sarracenia rosea</i>	WF	Gulf Purple Pitcherplant
<i>Scutellaria floridana</i>	WF	Florida Skullcap
<i>Scutellaria integrifolia</i>	WF	Helmet Skullcap
<i>Seymeria cassioides</i>	WF	Yaupon Blacksenna
<i>Sisyrinchium angustifolium</i>	WF	Narrowleaf Blue-Eyed Grass
<i>Solidago fistulosa</i>	WF	Pinebarren Goldenrod
<i>Solidago odora</i>	WF	Anisescented Goldenrod
<i>Spiranthes vernalis</i>	WF	Spring Ladiestresses
<i>Stachys floridana</i>	WF	Florida Betony
<i>Stenanthium densum</i>	WF	Crowpoison
<i>Styrax americanus</i>	SH	American Snowbell
<i>Symphyotrichum chapmanii</i>	WF	Savannah Aster
<i>Tofieldia racemosa</i>	WF	Coastal False Asphodel
<i>Tradescantia hirsutiflora</i>	WF	Hairyflower Spiderwort
<i>Tradescantia ohiensis</i>	WF	Ohio Spiderwort; Bluejacket
<i>Trichostema dichotomum</i>	WF	Forked Bluecurls
<i>Utricularia cornuta</i>	WF	Horned Bladderwort

<i>Utricularia juncea</i>	WF	Southern Bladderwort
<i>Utricularia subulata</i>	WF	Zigzag Bladderwort
<i>Valerianella radiata</i>	WF	Beaked Cornsalad
<i>Verbesina chapmanii</i>	WF	Chapman's Crownbeard
<i>Viola lanceolata</i>	WF	Bog White Violet
<i>Xyris ambigua</i>	WF	Coastalplain Yelloweyed Grass
<i>Xyris</i> sp.	WF	Yelloweyed Grass
<i>Zigadenus glaberrimus</i>	WF	Sandbog Deathcamas

Nonnative Species

<i>Sisyrinchium rosulatum</i>	WF	Annual Blue-Eyed Grass
-------------------------------	----	------------------------

APPENDIX

Scientific and common names of native species that occur along SR 65, CR 379, and CR 12 in the Apalachicola National Forest; most of these species occur along other portions of the panhandle route. This list was generated from Gil Nelson's PanFlora database <http://www.gilnelson.com/PanFlora/>.

Scientific name	Common name
<i>Acanthospermum australe</i>	Paraguay Starburr
<i>Agalinis aphylla</i>	Scaleleaf False Foxglove
<i>Agalinis fasciculata</i>	Beach False Foxglove
<i>Agrostis hyemalis</i>	Ticklegrass, Spring Bentgrass
<i>Aletris aurea</i>	Golden Colicroot
<i>Aletris lutea</i>	Yellow Colicroot
<i>Aletris obovata</i>	Southern Colicroot
<i>Alnus serrulata</i>	Hazel Alder
<i>Aristida stricta</i> var. <i>beyrichiana</i>	Wiregrass
<i>Arnica acaulis</i>	Common Leopardbane
<i>Arnoglossum ovatum</i>	Ovateleaf Indian Plantain
<i>Asclepias cinerea</i>	Carolina Milkweed
<i>Asclepias connivens</i>	Largeflower Milkweed
<i>Asclepias lanceolata</i>	Fewflower Milkweed, Smooth Orange Milkweed
<i>Asclepias longifolia</i>	Longleaf Milkweed
<i>Asclepias michauxii</i>	Michaux's Milkweed
<i>Asclepias pedicellata</i>	Savannah Milkweed
<i>Balduina uniflora</i>	Oneflower Honeycombhead
<i>Baptisia lanceolata</i>	Gopherweed
<i>Bigelowia nudata</i>	Pineland Rayless Goldenrod
<i>Bignonia capreolata</i>	Crossvine
<i>Boltonia diffusa</i>	Smallhead Doll's Daisy
<i>Buchnera americana</i>	American Bluehearts
<i>Calopogon barbatus</i>	Bearded Grasspink

<i>Calopogon multiflorus</i>	Manyflowered Grasspink
<i>Calopogon pallidus</i>	Pale Grasspink
<i>Calopogon tuberosus</i>	Tuberous Grasspink
<i>Carex complanata</i>	Blue Sedge
<i>Carex elliotii</i>	Elliott's Sedge
<i>Carex glaucescens</i>	Clustered Sedge
<i>Carex lupulina</i>	Hop Sedge
<i>Carex striata</i>	Walter's Sedge
<i>Carex turgescens</i>	Pinebarren Sedge
<i>Carex verrucosa</i>	Warty Sedge
<i>Carphephorus pseudoliatris</i>	Bristleleaf Chaffhead
<i>Ceanothus microphyllus</i>	Littleleaf Buckbrush
<i>Centrosema virginianum</i>	Spurred Butterfly Pea
<i>Chamaecyparis thyoides</i>	Atlantic White Cedar
<i>Chamaesyce hyssopifolia</i>	Hyssopleaf Sandmat
<i>Chaptalia tomentosa</i>	Woolly Sunbonnets Pineland Daisy
<i>Chrysopsis mariana</i>	Maryland Goldenaster
<i>Cirsium horridulum</i>	Purple Thistle
<i>Cirsium lecontei</i>	Leconte's Thistle
<i>Clematis crispa</i>	Swamp Leather-Flower
<i>Clethra alnifolia</i>	Coastal Sweetpepperbush
<i>Cliftonia monophylla</i>	Black Titi Buckwheat Tree
<i>Cnidoscolus stimulosus</i>	Tread-Softly Finger-Rot
<i>Coelorachis tessellata</i>	Lattice Jointtailgrass
<i>Coreopsis gladiata</i>	Coastalplain Tickseed
<i>Coreopsis lanceolata</i>	Lanceleaf Tickseed
<i>Coreopsis nudata</i>	Georgia Tickseed
<i>Cornus foemina</i>	Swamp Dogwood Stiff Dogwood
<i>Croptilon divaricatum</i>	Slender Scratchdaisy
<i>Crotalaria purshii</i>	Pursh's Rattlebox

<i>Cyperus haspan</i>	Haspan Flatsedge
<i>Cyperus strigosus</i>	Strawcolored Flatsedge
<i>Cyrilla racemiflora</i>	Titi
<i>Dalea carnea</i> var. <i>gracilis</i>	Whitetassels
<i>Dichanthelium aciculare</i>	Needleleaf Witchgrass
<i>Dichanthelium acuminatum</i>	Tapered Witchgrass
<i>Dichanthelium scabriusculum</i>	Woolly Witchgrass
<i>Diodia teres</i>	Poor Joe, Rough Buttonweed
<i>Diodia virginiana</i>	Virginia Buttonweed
<i>Drosera brevifolia</i>	Dwarf Sundew
<i>Drosera capillaris</i>	Pink Sundew
<i>Drosera tracyi</i>	Tracy's Sundew
<i>Eleocharis tuberculosa</i>	Conecup Spikerush
<i>Epidendrum conopseum</i>	Green-Fly Orchid
<i>Erigeron strigosus</i>	Prairie Fleabane
<i>Erigeron vernus</i>	Early Whitetop Fleabane
<i>Eriocaulon compressum</i>	Flattened Pipewort
<i>Eriocaulon decangulare</i>	Tenangle Pipewort
<i>Eryngium integrifolium</i>	Blueflower Eryngo
<i>Eryngium yuccifolium</i>	Button Rattlesnakemaster, Button Eryngo
<i>Eupatorium album</i>	White Thoroughwort
<i>Eupatorium fistulosum</i>	Queen-Of-The-Meadow, Joepyeweed
<i>Eupatorium leucolepis</i>	Justiceweed
<i>Eupatorium mohrii</i>	Mohr's Thoroughwort
<i>Eupatorium rotundifolium</i>	Roundleaf Thoroughwort, False Horehound
<i>Eupatorium semiserratum</i>	Smallflower Thoroughwort
<i>Euphorbia inundata</i>	Florida Pineland Spurge
<i>Euphorbia pubentissima</i>	False Flowering Spurge
<i>Eurybia eryngiifolia</i>	Thistleleaf Aster
<i>Fraxinus caroliniana</i>	Carolina Ash, Water Ash, Pop Ash

<i>Gaura angustifolia</i>	Southern Beeblossom
<i>Gaylussacia dumosa</i>	Dwarf Huckleberry
<i>Gaylussacia mosieri</i>	Woolly Huckleberry
<i>Gaylussacia nana</i>	Confederate Huckleberry
<i>Gelsemium rankinii</i>	Rankin's Jessamine Swamp Jessamine
<i>Gelsemium sempervirens</i>	Yellow Jessamine Carolina Jessamine
<i>Gentiana pennelliana</i>	Wiregrass Gentian
<i>Gratiola pilosa</i>	Shaggy Hedgehyssop
<i>Habenaria nivea</i>	Snowy Orchid
<i>Habenaria quinqueseta</i>	Longhorn False Reinorchid, Michaux's Orchid
<i>Harperocallis flava</i>	Harper's Beauty
<i>Hedeoma graveolens</i>	Mock Pennyroyal
<i>Hedeoma hispidum</i>	Rough Falsepennyroyal
<i>Helenium pinnatifidum</i>	Southeastern Sneezeweed
<i>Helenium vernale</i>	Savannah Sneezeweed
<i>Helianthus heterophyllus</i>	Variableleaf Sunflower
<i>Helianthus radula</i>	Stiff Sunflower
<i>Hibiscus aculeatus</i>	Comfortroot
<i>Houstonia procumbens</i>	Innocence Roundleaf Bluet
<i>Houstonia pusilla</i>	Tiny Bluet
<i>Hypericum brachyphyllum</i>	Coastalplain St.John's-Wort
<i>Hypericum cistifolium</i>	Roundpod St.John's-Wort
<i>Hypericum crux-andreae</i>	St.Peter's-Wort
<i>Hypericum exile</i>	Florida Sands St.John's-Wort
<i>Hypericum fasciculatum</i>	Sandweed Peelbark St.John's-Wort
<i>Hypericum galioides</i>	Bedstraw St.John's-Wort
<i>Hypericum microsepalum</i>	Flatwoods St.John's-Wort
<i>Hypericum mutilum</i>	Dwarf St.John's-Wort
<i>Hypericum setosum</i>	Hairy St.John's-Wort
<i>Hypericum suffruticosum</i>	Pineland St.John's-Wort

<i>Hypoxis juncea</i>	Fringed Yellow Stargrass, Yellow Stargrass
<i>Hypoxis wrightii</i>	Bristleseed Yellow Stargrass
<i>Hyptis alata</i>	Cluster Bushmint
<i>Ilex cassine</i> var. <i>myrtifolia</i>	Myrtle Dahoon
<i>Ilex coriacea</i>	Large Gallberry, Sweet Gallberry
<i>Ilex glabra</i>	Inkberry Gallberry
<i>Ionactis linariifolia</i>	Flaxleaf Aster
<i>Itea virginica</i>	Virginia Willow, Virginia Sweetspire
<i>Justicia ovata</i>	Looseflower Waterwillow
<i>Kalmia hirsuta</i>	Wicky Hairy Laurel
<i>Krigia caespitosa</i>	Weedy Dwarf dandelion
<i>Krigia virginica</i>	Virginia Dwarf dandelion
<i>Lachnanthes caroliana</i>	Carolina Redroot
<i>Lachnocaulon anceps</i>	Whitehead Bogbutton
<i>Lespedeza repens</i>	Creeping Lespedeza
<i>Liatris spicata</i>	Dense Gayfeather
<i>Licania michauxii</i>	Gopher Apple
<i>Lilium catesbaei</i>	Catesby's Lily Pine Lily
<i>Linaria texana</i>	Texas Toadflax
<i>Linum floridanum</i>	Florida Yellow Flax
<i>Lobelia floridana</i>	Florida Lobelia
<i>Lobelia nuttallii</i>	Nuttall's Lobelia
<i>Lobelia paludosa</i>	White Lobelia
<i>Lophiola aurea</i>	Golden Crest
<i>Ludwigia alternifolia</i>	Seedbox
<i>Ludwigia linearis</i>	Narrowleaf Primrosewillow
<i>Ludwigia linifolia</i>	Southeastern Primrosewillow
<i>Ludwigia pilosa</i>	Hairy Primrosewillow
<i>Ludwigia virgata</i>	Savannah Primrosewillow
<i>Lycopodiella alopecuroides</i>	Foxtail Club-Moss

<i>Lygodesmia aphylla</i>	Rose-Rush
<i>Lyonia ferruginea</i>	Rusty Staggerbush
<i>Macranthera flammea</i>	Flameflower, Hummingbird-Flower
<i>Marshallia tenuifolia</i>	Grassleaf Barbara's Buttons
<i>Mimosa quadrivalvis</i> var. <i>angustata</i>	Sensitive Brier
<i>Mitreola sessilifolia</i>	Swamp Hornpod
<i>Nolina atopocarpa</i>	Florida Beargrass
<i>Nothoscordum bivalve</i>	Crowpoison, False Garlic
<i>Oclemena reticulata</i>	Whitetop Aster, Pinebarren Aster
<i>Oenothera laciniata</i>	Cutleaf Eveningprimrose
<i>Orontium aquaticum</i>	Goldenclub, Neverwet
<i>Osmunda regalis</i> var. <i>spectabilis</i>	Royal Fern
<i>Oxalis corniculata</i>	Common Yellow Woodsorrel
<i>Oxypolis filiformis</i>	Water Cowbane
<i>Oxypolis rigidior</i>	Stiff Cowbane
<i>Panicum hians</i>	Gaping Panicum
<i>Panicum virgatum</i>	Switchgrass
<i>Paspalum floridanum</i>	Florida Paspalum
<i>Passiflora incarnata</i>	Purple Passionflower
<i>Penstemon multiflorus</i>	Manyflower Beardtongue
<i>Phlox floridana</i>	Florida Phlox
<i>Phoebanthus tenuifolius</i>	Pineland False Sunflower
<i>Physostegia godfreyi</i>	Godfrey's False Dragonhead
<i>Pinckneya bracteata</i>	Fevertree
<i>Pinguicula ionantha</i>	Violet Butterwort, Panhandle Butterwort
<i>Pinguicula lutea</i>	Yellow Butterwort, Yellow-Flowered Butterwort
<i>Pinguicula planifolia</i>	Chapman's Butterwort, Swamp Butterwort
<i>Pinguicula pumila</i>	Small Butterwort
<i>Pityopsis graminifolia</i>	Narrowleaf Silkgrass
<i>Pityopsis oligantha</i>	Grassleaf Goldenaster

<i>Plantago virginica</i>	Virginia Plantain, Southern Plantain
<i>Platanthera ciliaris</i>	Yellow Fringed Orchid
<i>Pleea tenuifolia</i>	Rush Featherling
<i>Pluchea rosea</i>	Rosy Camphorweed
<i>Pogonia bifaria</i>	Fernald's Pogonia
<i>Pogonia ophioglossoides</i>	Rose Pogonia, Snakemouth Orchid
<i>Polygala balduinii</i>	Baldwin's Milkwort
<i>Polygala chapmanii</i>	Chapman's Milkwort
<i>Polygala cruciata</i>	Drumheads
<i>Polygala cymosa</i>	Tall Pinebarren Milkwort
<i>Polygala grandiflora</i>	Showy Milkwort
<i>Polygala hookeri</i>	Hooker's Milkwort
<i>Polygala lutea</i>	Orange Milkwort
<i>Polygala nana</i>	Candyroot
<i>Polygala ramosa</i>	Low Pinebarren Milkwort
<i>Polyprum procumbens</i>	Rustweed Juniperleaf
<i>Pontederia cordata</i>	Pickernelweed
<i>Pterocaulon pycnostachyum</i>	Blackroot
<i>Ptilimnium capillaceum</i>	Mock Bishopsweed, Herbwilliam
<i>Pyrrhopappus carolinianus</i>	Carolina Desertchicory
<i>Quercus elliotii</i>	Running Oak
<i>Rhexia alifanus</i>	Savannah Meadowbeauty
<i>Rhexia lutea</i>	Yellow Meadowbeauty
<i>Rhexia mariana</i>	Pale Meadowbeauty, Maryland Meadowbeauty
<i>Rhexia petiolata</i>	Fringed Meadowbeauty
<i>Rhexia virginica</i>	Handsome Harry
<i>Rhynchospora chapmanii</i>	Chapman's Beaksedge
<i>Rhynchospora corniculata</i>	Shortbristle Horned Beaksedge
<i>Rhynchospora elliotii</i>	Elliott's Beaksedge
<i>Rhynchospora inundata</i>	Narrowfruit Horned Beaksedge

<i>Rhynchospora latifolia</i>	Giant Whitetop, Sandswamp Whitetop
<i>Rubus cuneifolius</i>	Sand Blackberry
<i>Rubus trivialis</i>	Southern Dewberry
<i>Rudbeckia graminifolia</i>	Grassleaf Coneflower
<i>Rudbeckia hirta</i>	Blackeyed Susan
<i>Rudbeckia mohrii</i>	Mohr's Coneflower
<i>Ruellia caroliniensis</i>	Carolina Wild Petunia
<i>Rumex hastatulus</i>	Heartwing Dock, Hastateleaf Dock
<i>Sabatia bartramii</i>	Bartram's Rosegentian
<i>Sabatia brevifolia</i>	Shortleaf Rosegentian
<i>Sabatia difformis</i>	Lanceleaf Rosegentian
<i>Sabatia stellaris</i>	Rose-Of-Plymouth
<i>Saccharum giganteum</i>	Sugarcane Plumegrass
<i>Sagittaria graminea</i>	Grassy Arrowhead
<i>Salvia lyrata</i>	Lyreleaf Sage
<i>Sarracenia flava</i>	Yellow Pitcher-Plant, Yellow Pitcherplant
<i>Sarracenia psittacina</i>	Parrot Pitcherplant
<i>Schizachyrium tenerum</i>	Slender Bluestem
<i>Scleria reticularis</i>	Netted Nutrush
<i>Scoparia dulcis</i>	Sweetbroom Licoriceweed
<i>Scutellaria floridana</i>	Florida Skullcap
<i>Scutellaria integrifolia</i>	Helmet Skullcap
<i>Sebastiania fruticosa</i>	Gulf Sebastian-Bush
<i>Serenoa repens</i>	Saw Palmetto
<i>Sericocarpus tortifolius</i>	Whitetop Aster, Dixie Aster
<i>Sisyrinchium angustifolium</i>	Narrowleaf Blue-Eyed Grass
<i>Smilax auriculata</i>	Earleaf Greenbrier
<i>Spiranthes praecox</i>	Greenvein Ladiestresses
<i>Spiranthes vernalis</i>	Spring Ladiestresses
<i>Sporobolus floridanus</i>	Florida Dropseed

<i>Stenanthium densum</i>	Crowpoison, Osceola's Plume
<i>Stillingia aquatica</i>	Water Toothleaf, Corkwood
<i>Stillingia sylvatica</i>	Queensdelight
<i>Stylosanthes biflora</i>	Sidebeak Pencilflower
<i>Styrax americanus</i>	American Snowbell
<i>Symphyotrichum adnatum</i>	Scaleleaf Aster
<i>Symphyotrichum chapmanii</i>	Savannah Aster
<i>Symplocos tinctoria</i>	Common Sweetleaf, Horse Sugar
<i>Tofieldia racemosa</i>	Coastal False Asphodel
<i>Toxicodendron vernix</i>	Poison Sumac
<i>Utricularia purpurea</i>	Purple Bladderwort
<i>Utricularia subulata</i>	Zigzag Bladderwort
<i>Vaccinium arboreum</i>	Sparkleberry, Farkleberry
<i>Vaccinium darrowii</i>	Darrow's Blueberry
<i>Valerianella radiata</i>	Beaked Cornsalad
<i>Veratrum virginicum</i>	Virginia Bunchflower
<i>Verbesina chapmanii</i>	Chapman's Crownbeard
<i>Vernonia angustifolia</i>	Tall Ironweed
<i>Vernonia gigantea</i>	Giant Ironweed
<i>Viburnum nudum</i>	Possumhaw
<i>Viburnum obovatum</i>	Walter's Viburnum, Small-Leaf Viburnum
<i>Viola lanceolata</i>	Bog White Violet
<i>Viola palmata</i>	Early Blue Violet
<i>Viola primulifolia</i>	Primroseleaf Violet
<i>Wahlenbergia marginata</i>	Southern Rockbell
<i>Xyris ambigua</i>	Coastalplain Yelloweyed Grass
<i>Xyris caroliniana</i>	Carolina Yelloweyed Grass
<i>Zigadenus glaberrimus</i>	Sandbog Deathcamas

Anecdotal Observations

Information about native wildflowers observed in the Panhandle by local native plant experts/enthusiasts. Anecdotal observations conveyed via email are direct quotes so as to avoid any misinterpretation. In most cases, names have been omitted.

AnecObs1

J. Norcini:

Panhandle, April 1, 2010 – Showy stand of *Zephyranthes treatiae* on US 98 (north side ROW in Wakulla County just west of Ouzis Road. May 15, 2010 – Showy stand of *Coreopsis basalis* on SR 267 at Shadeville Road in Wakulla County; planted by 4-H in October 2009 (planting project that I'm [JGN] overseeing).

AnecObs2

Liberty County

1. Northwest Liberty County, eastern boundary of Apalachicola Bluffs and Ravines Preserve (owned by The Nature Conservancy)
2. Blazing star (purple spikes), goldenrod (yellow spikes)
3. SR 12 between CR 270 and Garden of Eden Rd.
4. Liberty County north of Bristol
5. Fall – September & October
6. Sandhill – blooming is especially good after summer fire

AnecObs3

Walton County

WaterColor Cerulean garden native areas are incredible during the fall....goldenrod, liatris, various eupatoriums, baccharis & also the threatened species of joint weed.....there's MANY native areas in WaterColor abloom with wildflowers year-round.

All state park areas seem to pop with color during different seasons....Conradina and Gulf Coast Lupine will be making a great showing soon. Alys Beach has done a good job of seeding in wild flowers along their 30A frontage with Dara's recommendations. Also, the Dune I townhomes in the Dune Allen area have changed their lawn into wildflower areas using Dara's suggestions as well. I'll let you know if I can think of other areas.

AnecObs4

Franklin County

We've planted a good deal of wildflowers at the Summer Camp development in St. Theresa down on the coast if you're interested in that sort of thing. There is a little bit of planting along Hwy 90, but a lot more inside of the development around ponds, etc. Please let me know if that would count and if you need more information.