

## **Appendices for SHLMB Annual Report 2012**

Appendix 1: Oblique aerial photography—click on

<http://www.nfwmdwetlands.com/index.php?Page=32>

Permanent panoramic photo points—click on

<http://www.nfwmdwetlands.com/index.php?Page=70>

Appendix 2: Qualitative monitoring field forms—follows this page

Appendix 3: Florida Fish and Wildlife Conservation Commission Annual Reports—click

on <http://www.nfwmdwetlands.com/index.php?Page=109>

**Qualitative Field Assessment Form**

<b>Date:</b> 09/24/2012 <b>Time:</b> 11:00 am <b>Data Collector:</b> David Clayton					
<b>Location:</b> Pedestrian Transect # M1 near photo point 15 (See Figure 13 for location of M1)					
<b>Management Unit:</b> 10					
<b>Nuisance Species:</b> Bahia grass at gate entrance					
<b>Fuel Load:</b> Moderate					
<b>Wildlife Observations:</b> bob white quail, blue jay, towhee, red bellied woodpecker Bahia grass at entrance, centipede grass on roadway					
<b>T &amp; E Species:</b> Good population of Gulf Coast Lupine in sand hill, Smooth Barked St. John's Wort and Panhandle meadow beauty					
<b>Community Description:</b> Sandhill upland adjacent to a solution pond. Sandhill with good diversity and excellent groundcover. Marsh zonation still present, pond dry most of year,.					
<u>Scientific Name</u>	<u>Common Name</u>	<u>Tree</u>	<u>Shrub</u>	<u>Vine</u>	<u>Herb</u>
<i>Agalinis fasciculata</i>	Beach false foxgloves				X
<i>Amphicarpum muhlenbergianum</i>	Blue maidencane				X
<i>Andropogon glomeratus</i>	Busy blue stem				X
<i>Aristida stricta var. beyrichiana</i>	Wiregrass				X
<i>Asimina angustifolia</i>	Slim leaved paw-paw				X
<i>Baptisia lanceolata</i>	Gopher weed				X
<i>Baulduina angustifolia</i>	Coastal plain honeycombhead				X
<i>Bulbostylis ciliatifolia</i>	Cappillary hairsedge				X
<i>Ceanothus microphyllus</i>	Redroot				X
<i>Centella asiatica</i>	Centella				X
<i>Cephalanthus occidentalis</i>	Button bush		X		
<i>Chrysoma pauciflosculosa</i>	Woody Goldenrod				X
<i>Cliftonia monophylla</i>	Black ti ti		X		
<i>Croton argyranthemus</i>	Silver croton				X
<i>Crysopsis scabrella</i>	Goldenaster				X
<i>Cyrilla racemiflora</i>	Titi		X		
<i>Dalea pinatta</i>	Summer farewell				X
<i>Dicanthelium scoparium</i>	Panic grass				X
<i>Dicanthelium spp.</i>	Panic grass				X
<i>Diodia teres</i>	Diodia				X
<i>Diospyros virginiana</i>	Persimon	X			
<i>Drosera capillaris</i>	Pink sundew				X
<i>Eleocharis sp.</i>	Eleocharis				X
<i>Eragrostis elliottii</i>	Elliot's love grass				X
<i>Eriogonum tomentosum</i>	Wild Buckwheat				X
<i>Eupatorium capillifolium</i>	Dog fennel				X
<i>Eupatorium compositifolium</i>	Yankee weed				X
<i>Eupatorium mohrii</i>	Eupatorium				X
<i>Euphorbia floridana</i>	Florida pineland spurge				X
<i>Euthamia caroliniana</i>	Flat-topped goldenrod				X
<i>Galactia sp.</i>	Milk pea				X
<i>Gaylussacia dumosa</i>	Dwarf huckleberry		X		
<i>Gelsemium sempervirens</i>	Florida Jasmine			X	
<i>Haplopappus divaricatus</i>	Scratch daisy				X
<i>Hypericum crux-andreae</i>	St. Peter's wort				X

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Scientific Name	Common Name	Tree	Shrub	Vine	Herbaceous
<i>Hypericum gentinoides</i>	Orangeweed				X
<i>Hypericum fasciculatum</i>	St. John's wort				X
<i>Hypericum lissophloeus</i>	Smooth Bark St. John's wort		X		
<i>Hypericum reductum</i>	Atlantic St. John's wort				X
<i>Hypericum spp.</i>	St. John's wort		X		
<i>Ilex glabra</i>	Gall berry		X		
<i>Ilex myrtifolia</i>	Myrtle leaf holly		X		
<i>Ilex vomitoria</i>	Yaupon		X		
<i>Lachnocaulon anceps</i>	White topped bog buttons				X
<i>Liatris tenuifolia</i>	Shortleaf gayfeather				X
<i>Licania michauxii</i>	Gopher apple				X
<i>Lupinus diffusus</i>	Sky-blue lupine				X
<i>Lupinus westianus</i>	Gulf Coast Lupine				X
<i>Lyonia lucida</i>	Fetterbush		X		
<i>Lyonia mariana</i>	Piedmont staggerbush		X		
<i>Magnolia virginiana</i>	Silver bay	X			
<i>Mimosa quadrivalvis L. var. floridana</i>	Florida sensitive briar				X
<i>Myrica cerifera</i>	Wax myrtle		X		
<i>Opuntia humifusa</i>	Pricklypear cactus				X
<i>Panicum dichotimiflorum</i>	Fall panic grass				X
<i>Panicum hemitomon</i>	Maidencane				X
<i>Panicum verrucosum</i>	Warty panic grass				X
<i>Panicum virgatum</i>	Switch grass				X
<i>Paronychia rugelii</i>	Sand squares				X
<i>Paspalum notatum</i>	Bahia grass (Gait)				X
<i>Persea borbonia</i>	Red Bay	X			
<i>Penstemon multiflorus</i>	Many flowered beardtongue				X
<i>Pinus clausa</i>	Sand Pine	X			
<i>Pinus elliotii</i>	Slash pine	X			
<i>Pinus palustris</i>	Longleaf pine	X			
<i>Pityopsis graminifolia</i>	Golden Aster				X
<i>Polygonella gracilis</i>	Wireweed				X
<i>Polygonella polygama</i>	October flower				X
<i>Quercus geminata</i>	Sand Live Oak	X			
<i>Quercus hemispherica</i>	Diamond oak	X			
<i>Quercus incana</i>	Blue jack oak	X			
<i>Quercus laevis</i>	Turkey oak	X			
<i>Quercus virginiana</i>	Live Oak	X			
<i>Rhexia mariana</i>	Pale meadow beauty				X
<i>Rhexia salicifolia</i> New for 2012	Panhandle meadow beauty				X
<i>Rhus copallinum</i>	Sumac		X		
<i>Rubus cuneifolius</i>	Sand blackberry		X		
<i>Schrankia microphylla</i>	Sensitive briar				X
<i>Scoparia dulcis</i>	Sweet Broom				X
<i>Selaginella arenicola</i>	Sand spikemoss				X

<i>Seymeria cassioides</i>	Yaupon blacksenna				X
<i>Serenoa repens</i>	Saw Palmetto		X		
<i>Smilax sp.</i>	Catbriar			X	
<i>Sorghastrum secundum</i>	Lopsided Indian grass				X
<i>Sporobolus junceus</i>	Pineywoods dropseed				X
<i>Stylisma sylvatica</i>	Queen's delight				X
<i>Stylisma patens</i>	Coastal plain dawnflower				X
<i>Trichostema dichotomum</i>	Forked blue curls				X
<i>Utricularia floridana</i>	Bladderwort				X
<i>Vaccinium corymbosum</i>	High bush blueberry		X		
<i>Vaccinium arboreum</i>	Sparkleberry		X		
<i>Vaccinium darrowii</i>	Darrow's blueberry				
<i>Vaccinium myrsinites</i>	Shiny blueberry		X		
<i>Viburnum obovatum</i>	Walter's viburnum		X		
<i>Vitis rotundifolia</i>	Muscadine			X	
<i>Xyris sp.</i>	Yellow-eyed grass				X
<i>Yucca filamentosa</i>	Adam's needle				X

\*\*\*\* Threatened or Endangered, \*\*\* Present in previous survey but not observed, \*\* New observation, \* Nuisance Exotic Species

Pedestrian Transect: Upland Sand Hill with oak eradication and 3 year rotation burns



(09-24-2012) M1 Sandhill above pond facing west towards east towards edge of property (Enhancement)





(09-24-2012) M1 facing West, pond mostly dry, note smooth barked St. John's wort at edge. (Preservation)

## Qualitative Field Assessment Form

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<b>Date:</b> 09-26-2012 <b>Time:</b> 1:00 pm <b>Data Collector:</b> David Clayton					
<b>Location:</b> Pedestrian Transect # M2 near photo point 3 (See Figure 13 for location)					
<b>Management Unit:</b> 10					
<b>Nuisance Species:</b> None					
<b>Fuel Load:</b> Fuel load moderate					
Wildlife Observations: Titmouse, T& E Species: None					
<b>Community Description:</b> Sandhill upland overgrown with live and turkey oaks...good wiregrass cover, but allot of shade. Lots of deer moss on ground, a very dry site that grades down towards Pine Log Creek. Area should be burned in 2009.					
<u>Scientific Name</u>	<u>Common Name</u>	<u>Tree</u>	<u>Shrub</u>	<u>Vine</u>	<u>Herb</u>
<i>Agalinus divericata</i>	Pineland false foxglove				X
<i>Andropogon gyrans</i>	Elliot's blue stem				X
<i>Aristida stricta</i> var. <i>beyrichiana</i>	Wiregrass				X
<i>Baptisia lanceolata</i>	Gopher weed				X
<i>Baulduina angustifolia</i>	Coastal plain honeycomb head				X
<i>Bulbostylis ciliatifolia</i>	Capillary hairsedge				X
<i>Callicarpa americana</i>	Beauty berry				X
<i>Carphephorus carnosa</i>	Pineland chaffhead				X
<i>Carphephorus odoratissimus</i>	Vanilla leaf				X
<i>Chrysoma pauciflosculosa</i>	Woody goldenrod				X
<i>Chrysopsis lanuginosa</i>	Lynn Haven golden aster				X
<i>Croton argyranthemus</i>	Silver croton				X
<i>Dalea pinnata</i>	Summer farewell				X
<i>Dichanthelium</i> sp.	Witch grass				X
<i>Diospyros virginiana</i>	Persimmon	X			
<i>Galactia</i> sp.	Milk pea				X
<i>Eriogonum tomentosum</i>	Wild Buckwheat				X
<i>Euphorbia inundata</i>	Florida pineland spurge				X
<i>Gelsemium sempervirens</i>	Florida Jasmine			X	
<i>Hypericum crux-andreae</i>	St. Peter's-wort				X
<i>Hypericum gentianoides</i>	Orange weed				X
<i>Ilex glabra</i>	Gall berry		X		
<i>Ilex opaca</i>	American Holly	X			
<i>Ilex vomitoria</i>	Yaupon		X		
<i>Lechea sessiliflora</i>	Pineland pinweed				X
<i>Liatris gracilis</i>	Slender gayfeather				X
<i>Liatris pauciflora</i> var. <i>secunda</i>	Few Flowered gayfeather				X
<i>Liatris tenuifolia</i>	Grass leaved gayfeather				X
<i>Licania michauxii</i>	Gopher apple				X
<i>Lupinus westianus</i>	Gulfcoast lupine				X
<i>Opuntia humifusa</i>	Prickly pair cactus				X
<i>Paronychia rugelii</i>	Sand squares				X
<i>Penstemon multiflorus</i>	Beard tongue				X
<i>Photinia pyrifolia</i>	Red chokeberry		X		
<i>Pinus clausa</i>	Sand pine	X			
<i>Pinus palustris</i>	Long leaf pine	X			
<i>Pityopsis graminifolia</i>	Golden Aster				X

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Tree</b>	<b>Shrub</b>	<b>Vine</b>	<b>Herb</b>
<i>Polygonella gracilis</i>	Wire weed				X
<i>Polygonella polygama</i>	October flower				X
<i>Quercus hemisphaerica</i>	Diamond oak	X			
<i>Quercus incana</i>	Bluejack oak	X			
<i>Quercus laevis</i>	Turkey oak	X			
<i>Quercus virginiana</i>	Live oak	X			
<i>Rhexia mariana</i>	Pale meadow beauty				X
<i>Rubus cuneifolius</i>	Sand blackberry		X		
<i>Schizachyrium tenerum</i>	Slender bluestem				X
<i>Serenoa repens</i>	Saw palmetto		X		
<i>Seymeria cassioides</i>	Yaupon black senna				X
<i>Scleria sp.</i>	Scleria				X
<i>Serenoa repens</i>	Saw-palmetto		X		
<i>Smilax sp.</i>	Catbriar			X	
<i>Sporobolus juncea</i>	Florida dropseed				X
<i>Solidago fistulosa</i>	Pinebarren goldenrod				X
<i>Sorghastrum secundum</i>	Lopsided Indiangrass				X
<i>Stillingia sylvatica</i>	Queens's delight				X
<i>Stylisma patens</i>	Coastal plain dawnflower				X
<i>Vaccinium arboreum</i>	Farkleberry		X		
<i>Vaccinium corymbosum</i>	Highbush blueberry		X		
<i>Vaccinium darrowii</i>	Darrow's blueberry		X		
<i>Vaccinium myrsinites</i>	Shiny blueberry		X		
<i>Vitis rotundifolia</i>	Wild muscadine grape			X	
<i>Yucca flimentosa</i>	Adam's needle				X

\*New observation, \*\*Previously observed but not observed in current survey





09-26-2012 M2: Turkey Oak dominated sandhill, management Unit 10, facing North (Enhancement)



09-26-2012 M2: Sandhill restored from sand pine plantation, post burn and planting (Restoration)



## Qualitative Field Assessment Form

<b>Date:</b> 09-26-2012 <b>Time:</b> 12:00 pm <b>Data Collector:</b> David Clayton					
<b>Location:</b> Pedestrian Transect # M3 near photo point 2 (See Figure 13 for location)					
<b>Management Unit:</b> 12					
<b>Nuisance Species:</b> None					
<b>Fuel Load:</b> Fuel load moderate					
Wildlife Observations: <b>Quail, fence lizard, mockingbird, fence lizard, pine snake, deer</b>					
<b>T &amp; E Species:</b> , smooth barked St. John's Wort around Cat Pond, Gulf coast lupine, panhandle meadow beauty					
<b>Community Description:</b> Sandhill upland sloping down into the seepage area associated with Cat pond. Excellent diversity and groundcover. Wire grass bloomed this summer...area planted with long leaf pine, wiregrass flowering					
<u>Scientific Name</u>	<u>Common Name</u>	<u>Tree</u>	<u>Shrub</u>	<u>Vine</u>	<u>Herb</u>
<i>Agalinis divericata</i>	Pineland false foxgloves				X
<i>Andropogon glomeratus</i>	Busy blue stem				X
<i>Andropogon gyrans</i>	Elliot's blue stem				X
<i>Aristida stricta</i> var. <i>beyrichiana</i>	Wiregrass				X
<i>Asclepias cinerea</i>	Carolina milkweed				X
<i>Asclepias humistrata</i>	Pinewoods milkweed				X
<i>Asclepias tuberosa</i>	Butterfly weed				X
<i>Asimina angustifolia</i>	Slim leaf paw-paw				X
<i>Aster pilosus</i>	Frost aster				X
<i>Baptisia lanceolata</i>	Gopher weed				X
<i>Balduina angustifolia</i>	Coastal plain honeycomb head				X
<i>Bulbostylis ciliatifolia</i>	Capillary hairsedge				X
<i>Callicarpa americana</i>	American beauty berry				X
<i>Carphephorus corymbosus</i>	Coastalplain chaffhead				X
<i>Carphephorus odoratissimus</i>	Vanilla leaf				X
<i>Castanea floridana</i>	Chinquapin	X			
<i>Ceanothus microphyllus</i>	Littleleaf buckbush				X
<i>Chamaecrista fasciculata</i>	Partridge pea				X
<i>Chrysoma pauciflosculosa</i>	Woody Goldenrod				X
<i>Chrysopsis lanuginosa</i>	Lynn Haven goldenaster				X
<i>Cliftonia monophylla</i>	Black titi		X		
<i>Croton argyranthemus</i>	Silver croton				X
<i>Cyperus</i> sp.	Sedge				X
<i>Dalea pinnata</i>	Summer-farewell				X
<i>Desmodium floridanum</i>	Florida ticktrefoil				X
<i>Dichantherium</i> sp.	Witch grass				X
<i>Diospyros virginiana</i>	Persimon	X			
<i>Elephantopus elatus</i>	Tall elephant's foot				X
<i>Eragrostis eliottii</i>	Elliot's lovegrass				X
<i>Eriogonum tomentosum</i>	Wild Buckwheat				X
<i>Eupatorium compositifolium</i>	Yankee weed				X
<i>Euphorbia floridana</i>	Florida spurge				X
<i>Euthamia caroliniana</i>	Slender flat-top goldenrod				X
<i>Froelichia floridana</i>	Cottonweed				X
<i>Galactia</i> sp.	Milk pea				X
<i>Gaylussacia dumosa</i>	Dwarf huckleberry		X		

<i>Gaylussacia frondosa</i> var. <i>tomentosa</i>	Blue huckleberry		X		
<i>Gelsemium sempervirens</i>	Florida Jasmine			X	
<i>Hieracium gronovii</i>	Hawkweed				X
<i>Hypericum gentianoides</i>	Pineweed				X
<i>Hypericum tetrapetalum</i>	Four petaled St. Johns wort				X
<i>Ilex glabra</i>	Gall berry		X		
<i>Ilex opaca</i>	American holly	X			
<i>Ilex vomitoria</i>	Yaupon		X		
<i>Liatris gracilis</i>	Slender gayfeather				X
<i>Liatris pauciflora</i>	Few flowered gayfeather				X
<i>Liatris tenuifolia</i>	Grass leaved gayfeather				X
<i>Licania michauxii</i>	Gopher apple				X
<i>Lupinus diffuses</i>	Skyblue lupine				X
<i>Lupinus westianus</i> ***	Gulf coast lupine				X
<i>Malus angustifolia</i> ***	Southern crabapple	X			
<i>Mimosa quadrivalvis</i> L. var. <i>angustata</i>	Sensitive briar				X
<i>Opuntia humifusa</i>	Prickley pear				X
<i>Paronychia rugelii</i>	Sand squares				X
<i>Penstemon multiflorus</i>	Penstemon				X
<i>Polygonella gracillis</i>	Wire weed				X
<i>Polygonella polygama</i>	October flower				X
<i>Panicum virgatum</i>	Switch grass				X
<i>Paronychia rugelii</i>	Sand squares				X
<i>Pinus clausa</i>	Sand pine	X			
<i>Pinus elliotii</i>	Slash pine	X			
<i>Pinus palustris</i>	Long leaf pine	X			
<i>Pityopsis graminifolia</i>	Golden Aster				X
<i>Polygonella gracilis</i>	Wireweed				X
<i>Pteridium aquilinum</i>	Bracken fern				X
<i>Quercus laevis</i>	Turkey oak	X			
<i>Quercus margaretta</i>	Sand post oak	X			
<i>Quercus pumila</i>	Runner oak		X		
<i>Quercus virginiana</i>	Live oak	X			
<i>Rhexia mariana</i>	Pale meadow beauty				X
<i>Rhexia salicifolia</i>	Panhandle meadow beauty				X
<i>Rhus copallinum</i>	Winged sumac				X
<i>Rubus cuneifolius</i>	Sand black berry		X		
<i>Rudbeckia triloba</i>	Brown eyed Susan				X
<i>Salvia azurea</i>	Azure blue sage				X
<i>Seymeria pectinata</i>	Black sienna				X
<i>Serenoa repens</i>	Saw palmetto		X		
<i>Smilax</i> sp.	Catbriar			X	
<i>Solidago fistulosa</i>	Pinebarren golden rod				X
<i>Sorghastrum secundum</i>	Lopsided Indian grass				X
<i>Stillingia sylvatica</i>	Queen's delight				X
<i>Sporobolus junceus</i>	Pineywoods droopseed				X
<i>Tradescantia hirsutiflora</i>	Hairyflower spiderwort				X
<i>Vaccinium corymbosum</i>	Highbush blueberry		X		
<i>Vaccinium darrowii</i>	Darrow's blueberry		X		

<i>Vaccinium myrsinites</i>	Shiny blueberry		X		
<i>Vernonia angustifolia</i>	Tall ironweed				X
<i>Vitis rotundifolia</i>	Muscadine grape			X	
<i>Yucca filamentosa</i>	Adam's needle				X

\*Threatened or Endangered Species\*\* New Observation, \* Not observed



M3: 09-26-2012- Sandhill above Cat Pond facing North. Reduced LLP seedling density since fire in 2011  
(Enhancement)



M3: 09-26-2012- Cat Pond facing West. Endangered Smooth-barked St. John's Wort in foreground  
(Preservation)



## Qualitative Field Assessment Form

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<b>Date:</b> 09-26-2012		<b>Time:</b> 10:30 am		<b>Data Collector:</b> David Clayton	
<b>Location:</b> Pedestrian Transect # M4 near photo point 4		<b>(See Figure 13 for location)</b>			
<b>Management Unit:</b> 12					
<b>Nuisance Species:</b> None					
<b>Fuel Load:</b>					
Wildlife Observations: <b>active gopher burrow, crow</b>					
<b>T &amp; E Species:</b> gopher tortoise, fever tree,					
<b>Community Description:</b> Sandhill upland sloping down into the seepage area associated with Little Deep Edge pond. <b>Excellent diversity and groundcover.</b>					
<u>Scientific Name</u>	<u>Common Name</u>	<u>Tree</u>	<u>Shrub</u>	<u>Vine</u>	<u>Herb</u>
<i>Agalinis divericata</i>	Pineland false foxgloves				X
<i>Amphicarpaea bracteata</i>	American hogpeanut				X
<i>Andropogon glomeratus</i>	Busy blue stem				X
<i>Andropogon gyrans</i>	Elliot's bluestem				X
<i>Andropogon virginicus</i>	Broomsedge				X
<i>Aristida stricta</i> var. <i>beyrichiana</i>	Wiregrass				X
<i>Asclepias cinerea</i>	Carolina milkweed				X
<i>Asclepias humistrata</i>	Pinewoods milkweed				X
<i>Asclepias tuberosa</i>	Butterfly weed				X
<i>Asimina angustifolia</i>	Slimleaf pawpaw		X		
<i>Aster pilosus</i>	Frost aster				X
<i>Aster wateri</i>	Walter's aster				X
<i>Balduina angustifolia</i>	Coastalplain honeycombhead				X
<i>Baptisia lecontei</i>	Pineland wild indigo				X
<i>Baptisia lanceolata</i>	Gopher weed				X
<i>Berlandiera pumila</i>	Soft green eyes				X
<i>Bulbostylis capillaris</i>	Capillary hairsedge				X
<i>Carex tenax</i>	Sandhill sedge				X
<i>Carphephorus carnosus</i>	Coastplain chaffhead				X
<i>Carphephorus odoratissimus</i>	Vanilla leaf				X
<i>Ceanothus microphyllus</i>	Littleleaf buckrush				X
<i>Chamaecrista fasciculata</i>	Partridge pea				X
<i>Coelorachis cylindrica</i>	Carolina joint-tail grass				X
<i>Conyza canadensis</i>	Dwarf horseweed				X
<i>Coreopsis lanceolata</i>	Tickseed				X
<i>Croton argyranthemus</i>	Silver croton				X
<i>Chrysoma pauciflosculosa</i>	Woody Goldenrod				X
<i>Crysopsis scabrella</i>	Goldenaster				X
<i>Cyperus sp.</i>	Cyperus				X
<i>Dalea pinatta</i>	Summer farewell				X
<i>Desmodium tenuifolium</i>	Slim ticktrefoil				X
<i>Dicanthelium spp.</i>	Witch grass				X
<i>Digitaria filiformis</i>	Slender crabgrass				X
<i>Diodia teres</i>	Poor Joe				X
<i>Diospyros virginiana</i>	Persimon	X			
<i>Elephantopus carolinianus</i>	Elephant's foot				X
<i>Eragrostis elliottii</i>	Elliot's lovegrass				X
<i>Eremochloa ophiuroides</i>	Centipede grass				X

					Page 2 of 4
<b>Scientific Name</b>	<b>Common Name</b>	<b>Tree</b>	<b>Shrub</b>	<b>Vine</b>	<b>Herb</b>
<i>Eriogonum tomentosum</i>	Wild Buckwheat				X
<i>Eryngium yuccifolium</i>	Rattlesnake master				X
<i>Eupatorium capillifolium</i>	Dog fennel				X
<i>Eupatorium compositifolium</i>	Yankee weed				X
<i>Eupatorium hyssopifolium</i> . <i>var. laciniatum</i>	Hyssopleaf thoroughwort				X
<i>Eupatorium leucolepis</i>	Justiceweed				X
<i>Eupatorium serotinum</i>	Late thoroughwort				X
<i>Euphorbia commutata</i>	Wood spurge				X
<i>Euphorbia curtisii</i>	Curtis's spurge				X
<i>Euphorbia discoidalis</i>	Summer spurge				X
<i>Euphorbia exserta</i>	Coastal sand spurge				X
<i>Euphorbia floridana</i>	Florida pineland spurge				X
<i>Euthamia caroliniana</i>	Flat-topped goldenrod				X
<i>Froelichia floridana</i>	Cottonweed				X
<i>Galactia volubilis</i>	Milkpea				X
<i>Gaura filipes</i>	Slenderstalk beeblossom				X
<i>Gelsemium sempervirens</i>	Florida Jasmine			X	
<i>Haplopappus divaricatus</i>	Scratch daisy				X
<i>Hieracium gronovii</i>	Hawkweed				X
<i>Helianthus radula</i>	Rayless sunflower				X
<i>Houstonia procumbens</i>	Innocence				X
<i>Hypericum crux-andreae</i>	St. Peter's wort				X
<i>Hypericum gentianoides</i>	Pineweed				X
<i>Ilex coriacea</i>	Big gall berry		X		
<i>Ilex glabra</i>	Gall berry		X		
<i>Gaylussacia dumosa</i>	Dwarf huckleberry		X		
<i>Ilex vomitoria</i>	Yaupon		X		
<i>Lespedeza hirta</i>	Hairy bush-clover				X
<i>Liatis gracilis</i>	Slender gayfeather				X
<i>Liatis pauciflora</i>	Few flowered gayfeather				X
<i>Licania michauxii</i>	Gopher apple				X
<i>Liatis tenuifolia</i>	Grass leaved gayfeather				X
<i>Lobelia glandulosa</i>	Glade lobelia				X
<i>Lupinus diffusus</i>	Skyblue lupine				X
<i>Lupinus perennis</i>	Sundial lupine				X
<i>Mimosa quadrivalvis</i> L. <i>var. angustata</i>	Sensitive briar				X
<i>Opuntia humifusa</i>	Pricklypear cactus				X
<i>Osmanthus americanus</i>	Wild olive		X		
<i>Osumunda cinnamomea</i>	Cinnamon fern				X
<i>Panicum virgatum</i>	Switch grass				X
<i>Paronychia rugelii</i>	Sand-squares				X
<i>Penstemon multiflorus</i>	Penstemon				X
<i>Penstemon australis</i>	Beardtongue				X
<i>Phlox floridana</i>	Florida phlox				X
<i>Polygonella gracilis</i>	Wire weed				X
<i>Pinus elliotii</i>	Slash pine	X			
<i>Pinus palustris</i>	Long leaf pine	X			
<i>Pityopsis graminifolia</i>	Goldenaster				X

					Page 3 of 4
<u>Scientific Name</u>	<u>Common Name</u>	<u>Tree</u>	<u>Shrub</u>	<u>Vine</u>	<u>Herb</u>
<i>Polygonella gracilis</i>	Wireweed				X
<i>Pteridium aquilinum</i>	Bracken fern				X
<i>Pterocaulon virgatum</i>	Blackroot				X
<i>Quercus elliotii</i>	Runner oak		X		
<i>Quercus falcata</i>	Southern red oak	X			
<i>Quercus hemisphaerica</i>	Diamond oak	X			
<i>Quercus incana</i>	Blue jack oak	X			
<i>Quercus laevis</i>	Turkey oak	X			
<i>Quercus margaretta</i>	Sand post oak	X			
<i>Quercus virginiana</i>	Live oak	X			
<i>Rhexia mariana</i>	Pale meadow beauty				X
<i>Rhus copallinum</i>	Winged sumac		X		
<i>Rhynchosia reniformis</i>	Dollar weed				X
<i>Rubus cuneifolius</i>	Sand blackberry		X		
<i>Scleria sp.</i>	Scleria				X
<i>Serenoa repens</i>	Saw palmetto		X		
<i>Solidago fistulosa</i>	Pinebarrens goldenrod				X
<i>Solidago stricta</i>	Wand goldenrod				X
<i>Seymeria cassioides</i>	Senna seymaria				X
<i>Solidago stricta</i>	Wand goldenrod				X
<i>Smilax ariculata.</i>	Earleaf catbriar			X	
<i>Sorghastrum secundum</i>	Lopsided Indiangrass				X
<i>Sporobolus junceus</i>	Pineywoods dropseed				X
<i>Stillingia sylvatica</i>	Queen's delight				X
<i>Stylisma patens</i>	Coastalplain dawnflower				X
<i>Stylosanthes hamata</i>	Pencil flower				X
<i>Tephrosia virginiana</i>	Devil's shoestring				X
<i>Tradescantia hirsutiflora</i>	Hairy flowered spiderwort				X
<i>Trichostema setaceum</i>	Forked blue curls				X
<i>Vaccinium arboreum</i>	Sparkle berry		X		
<i>Vaccinium corymbosum</i>	High bush blueberry		X		
<i>Vaccinium darrowii</i>	Darrow's blueberry			X	
<i>Vaccinium myrsinites</i>	Shiny blue berry		X		
<i>Stylodon carneus</i>	Stylodon				X
<i>Viola sororia</i>	Common blue violet				X
<i>Viola walteri</i>	Prostrate blue violet				X
<i>Vitis rotundifolia</i>	Muscadine			X	
<i>Woodwardia virginica</i>	Virginia chain fern				X
<i>Xyris sp.</i>	Yellow-eyed grass				X
<i>Yucca filamentosa</i>	Adam's needle				X

\*\*\*\* Exotic \*\*\* New Observation, \* Observed in previous surveys but not present survey \* State Threatened or Endangered Species



M4. 09-26-2012 Facing southwest. Sandhill Wiregrass and wildflowers, upland next to Little Deep Edge. (Restoration)



M4. 09-26-2012 Facing west. Sandhill Wiregrass and wildflowers, upland south of Little Deep Edge (Restoraion)





**Qualitative Field Assessment Form**

<b>Date:</b> 09-24-2012 <b>Time:</b> 2:00 pm <b>Data Collector:</b> David Clayton					
<b>Location:</b> Pedestrian Transect # M5 near photo point 1 (See Figure 13 for Location)					
<b>Management Unit:</b> 11					
<b>Nuisance Species:</b> None					
<b>Fuel Load:</b> Slash Pine harvested,					
Wildlife Observations: Shrike, 7 lined race runner, blue jay.					
<b>T &amp; E Species:</b> Gulf coast lupine					
<b>Community Description:</b> Wire grass bloomed this summer...burned October, 2008.					
<u>Scientific Name</u>	<u>Common Name</u>	<u>Tree</u>	<u>Shrub</u>	<u>Vine</u>	<u>Herb</u>
<i>Agalinis setacea</i>	Threadleaf false foxgloves				X
<i>Andropogon glomeratus</i>	Busy blue stem				X
<i>Andropogon gyrans</i>	Elliot's blue stem				X
<i>Andropogon virginicus</i>	Broom sedge				X
<i>Aristida stricta</i> var. <i>beyrichiana</i>	Wiregrass				X
<i>Asimina angustifolia</i>	Slimleaf pawpaw		X		
<i>Aster pilosus</i>	Frost aster				X
<i>Aster wateri</i>	Walter's aster				X
<i>Baptisia lanceolata</i>	Gopher weed				X
<i>Balduina angustifolia</i>	Coastal plain honeycomb head				X
<i>Berlandiera pumila</i>	Green eyes				X
<i>Bulbostylis ciliatifolia</i>	Capillary hair sedge				X
<i>Carphephorus odoratissimus</i>	Vanilla leaf				X
<i>Ceanothus microphyllus</i>	Littleleaf buckrush				X
<i>Chamaecrista fasciculata</i>	Partridge pea				X
<i>Crataegus</i> sp.	Hawthorn		X		
<i>Croton argyranthemus</i>	Silver croton				X
<i>Chrysoma pauciflosculosa</i>	Woody Goldenrod				X
<i>Crysopsis scabrella</i>	Goldenaster				X
<i>Cyperus</i> sp.	Sedge				X
<i>Dalea pinatta</i>	Summer farewell				X
<i>Desmodium floridanum</i>	Florida Ticktrefoil				X
<i>Dicanthelium</i> spp.	Panic grass				X
<i>Digitaria filiformis</i>	Slender crabgrass				X
<i>Diodia teres</i>	Joe pie weed				X
<i>Diospyros virginiana</i>	Persimon	X			
<i>Elephantopus carolinianus</i>	Elephant's foot				X
<i>Eremochloa ophiuroides</i>	Centipede grass				X
<i>Eriogonum tomentosum</i>	Wild Buckwheat				X
<i>Euthamia caroliniana</i>	Flat topped goldenrod				X
<i>Eupatorium capillifolium</i>	Dog fennel				X
<i>Eupatorium serotinum</i>	Late thoroughwort				X
<i>Euphorbia discoidalis</i>	Summer spurge				X
<i>Froelichia floridana</i>	Cottonweed				X
<i>Galactia volubilis</i>	Milkpea				X
<i>Gaillardia aestivalis</i>	Laceleaf blanket flower				X
<i>Gaylussacia dumosa</i>	Dwarf huckleberry		X		
<i>Gelsemium sempervirens</i>	Florida Jasmine			X	

Page 2 of 2					
<u>Scientific Name</u>	<u>Common Name</u>	<u>Tree</u>	<u>Shrub</u>	<u>Vine</u>	<u>Herb</u>
<i>Hieracium gronovii</i>	Hawkweed				X
<i>Hypericum crux-andreae</i>	St. Peter's wort				X
<i>Hypericum gentianoides</i>	Pineweed				X
<i>Ilex glabra</i>	Gall berry		X		
<i>Ilex opaca</i>	American holly	X			
<i>Ilex vomitoria</i>	Yaupon		X		
<i>Liatris gracilis</i>	Slender gayfeather				X
<i>Liatris pauciflora</i>	Few flowered gayfeather				X
<i>Licania michauxii</i>	Gopher apple				X
<i>Lupinus diffusus</i>	Sky-blue lupine				X
<i>Lupinus westianus</i>	Gulf coast lupine				X
<i>Opuntia humifusa</i>	Pricklypear cactus				X
<i>Panicum virgatum</i>	Switch grass				X
<i>Paronychia rugelii</i>	Sand squares				X
<i>Penstemon multiflorus</i>	Penstemon				X
<i>Pinus elliotii</i>	Slash pine	X			
<i>Pityopsis graminifolia</i>	Golden Aster				X
<i>Polygonella gracilis</i>	Wireweed				X
<i>Pterocaulon pycnostachyum</i>	Black root				X
<i>Quercus hemisphaerica</i>	Diamond oak	X			
<i>Quercus incana</i>	Blue jack oak	X			
<i>Quercus laevis</i>	Turkey oak	X			
<i>Quercus margaretta</i>	Sand post oak	X			
<i>Rhus copallinum</i>	Winged sumac		X		
<i>Rhynchosia cytisoides</i>	Royal snout bean				X
<i>Rhynchosia reniformis</i>	Dollar-weed				X
<i>Rubus cuneifolius</i>	Sand blackberry		X		
<i>Rumex hastatulus</i>	Heartwing dock				X
<i>Schrankia microphylla</i>	Sensitive briar			X	
<i>Solidago fistulosa</i>	Pinebarrens goldenrod				X
<i>Seymeria cassioides</i>	Senna seymaria				X
<i>Smilax sp.</i>	Catbriar			X	
<i>Stillingia sylvatica</i>	Queen's delight				X
<i>Stylosanthes biflora</i>	Pencil flower				X
<i>Trichostema setaceum</i>	Forked blue curls				X
<i>Vaccinium arboreum</i>	Sparkle berry		X		
<i>Vaccinium corymbosum</i>	High bush blueberry		X		
<i>Vaccinium myrsinites</i>	Shiny blue berry		X		
<i>Vernonia angustifolia</i>	Tall ironweed				X
<i>Yucca filamentosa</i>	Adam's needle				X

\*\* New observation, \* Previously observed, but not observed this year \* Threatened or Endangered Species



M5, 09-24-2012: Facing West. Sandhill restored from slash pine plantation. Note dense wiregrass regeneration and diverse understory. (Enhancement)



M5, 09-24-2012: Facing South. Sandhill restored from slash pine plantation. Note dense wiregrass regeneration along with planted long leaf pine. (Enhancement)



## Qualitative Field Assessment Form

Page 1 of 2

<b>Date:</b> 09-26-2012 <b>Time:</b> 8:43 am <b>Data Collector:</b> David Clayton					
<b>Location:</b> Pedestrian Transect # M6    Garret Pond					
<b>Management Unit:</b> 14					
<b>Nuisance Species:</b> none					
<b>Fuel Load:</b> Low					
<b>Wildlife Observations:</b> deer tracks, red bellied wood pecker, titmouse <b>T &amp; E Species:</b> Smooth barked St. John's wort, <i>Rhexia salicifolia</i> , <i>Xyris longisepala</i>					
<b>Community Description:</b> Edge dominated by slash pine and shrubs with some black gum and cypress. Pond is starting to come back, water in bottom of deepest areas. Dominated by dog fennel, <i>Rhynchospora</i> and <i>Eleocharis</i> .					
Scientific Name	Common Name	Tree	Shrub	Vine	Herb
<i>Amphicarpum muhlenbergianum</i>	Blue maidencane				X
<i>Andropogon glomeratus</i>	Bushy blue stem				X
<i>Andropogon virginicus</i>	Broomsedge				X
<i>Aristida stricta Michx. var. beyrichiana</i>	Wire grass				X
<i>Balduina uniflora</i>	One flowerd honeycomb head				X
<i>Bidens mitis</i>	Bur marsh marigold				X
<i>Brasenia schreberi</i>	Water shield				X
<i>Cassia fasciculata</i>	Partridge pea				X
<i>Centella asiatica</i>	Centella				X
<i>Carphephorus corymbosus</i>	Coast plain chaffhead				X
<i>Carphephorus odoratissimus</i>	Vanilla leaf				X
<i>Cephalanthus occidentalis</i>	Button bush		X		
<i>Cliftonia monophylla</i>	Black ti ti		X		
<i>Ctenium aromaticum</i>	Tooth ache grass				X
<i>Cyrilla racemiflora</i>	Red ti ti		X		
<i>Dichanthelium aciculare</i>	Needleleaf witch grass				X
<i>Dichanthelium erectifolium</i>	Erect leaf witchgrass				X
<i>Eleocharis sp.</i>	Eleocharis				X
<i>Eupatorium capillifolium</i>	Dog fennel				X
<i>Euthamia caroliniana</i>	Flat-topped goldenrod				X
<i>Helianthus angustifolia</i>	Swamp sunflower				X
<i>Helianthus radula</i>	Rayless sunflower				X
<i>Helenium autumnale</i>	Common sneezeweed				X
<i>Hypericum lissophloeus</i>	Smooth barked St. John's wort		X		
<i>Hypericum spp.</i>	St. John's wort		X		
<i>Ilex vomitoria</i>	Yaupon		X		
<i>Lachnanthese caroliniana</i>	Red root				X
<i>Lachnocaulon anceps</i>	White topped bog buttons				X
<i>Lycopus rubellus</i>	Water horehound				X
<i>Mayaca fluviatilis</i>	Bog moss				X
<i>Numphar advena</i>	Spatterdock				X
<i>Nymphaea odorata</i>	Fragrant water lily				X
<i>Nymphoides cordata</i>	Little floating heart				X
<i>Nyssa sylvatica</i>	Black gun	X			
<i>Osmunda cinnamomea</i>	Cinnamon fern				X
<i>Panicum dichotimiflorum</i>	Fall panic grass				X

<i>Panicum hemitomon</i>	Maidencane				X
<i>Panicum repens</i>	Torpedo grass (at boat launch)				X
<i>Panicum verrucosum</i>	Warty panicum				X
<i>Persea palustris</i>	Swam bay	X			
<i>Pinus elliotii</i>	Slash Pine	X			
<i>Photinia pyrifolia</i>	Red Chokeberry			X	
<i>Pieris phyllireifolia</i>	Pieris			X	
<i>Polygala lutea</i>	Orange milkwort				X
<i>Pontederia cordata</i>	Pickerel weed				X
<i>Quercus hemisphaerica</i>	Diamond Oak	X			
<i>Quercus virginiana</i>	Live oak	X			
<i>Rhexia mariana</i>	Pale meadow beauty				X
<i>Rhexia salicifolia</i>	Pan Handle meadow beauty				X
<i>Rubus pensilvanicus</i>	Sawtooth blackberry				X
<i>Rynchospora inundata</i>	Horned beakrush				X
<i>Sacciolepis striata</i>	American cupscale				X
<i>Saccharum giganteum</i>	Plume grass				X
<i>Sagittaria latifolia</i>	Duck potato				X
<i>Sagittaria graminea</i>	Grassy arrowhead				X
<i>Smilax sp.</i>	Catbriar			X	
<i>Taxodium ascendens</i>	Cypress	X			
<i>Triadenum virginicum</i>	Marsh St. John's wort				X
<i>Utricularia floridana</i>	Bladderwort				X
<i>Vaccinium corymbosum</i>	High bush blue berry		X		
<i>Vaccinium darrowii</i>	Darrow's blueberry				X
<i>Vitis rotundifolia</i>	Muscadine			X	
<i>Xyris longisepala</i>	Kral's yellow-eyed grass				X
<i>Xyris sp.</i>	Yellow-eyed grass				X

\*\*\* Threatened or Endangered Species \*\* New Observation, \* Previously observed but observed in latest survey, Nuisance exotic species



M6: 09-24-2012. Facing East. Garret Pond is dry due extended drought, white sand typical of karst ponds within region. Area burned 9/23/2012 in preparation for planting of additional wire grass and tooth ache grass. (Preservation/enhanced edge)



M6: 09-24-2012. Facing South. Cypress fringe with dog fennel and blue maidencane in dry pond (Preservation)

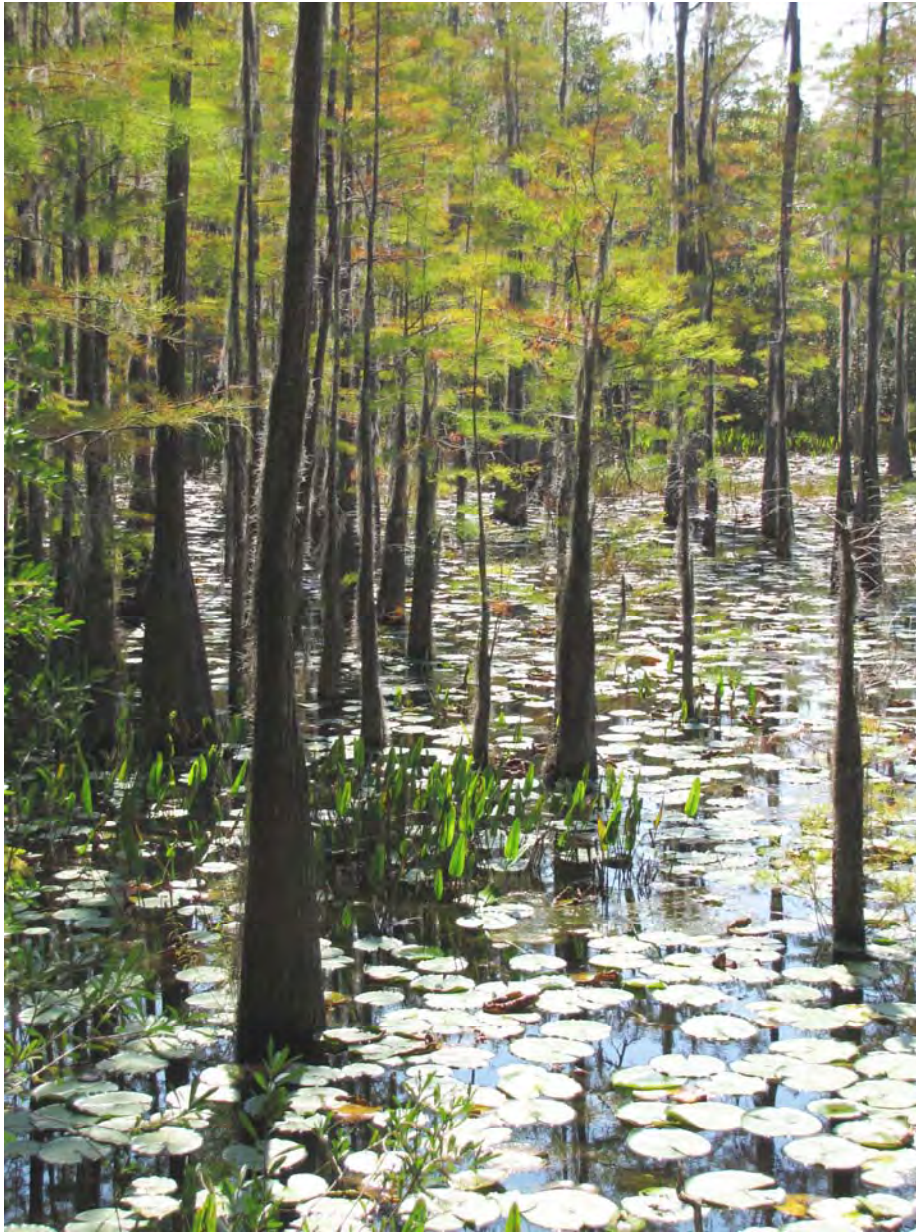
**Qualitative Field Assessment Form**

<b>Date:</b> 10-09-2012		<b>Time:</b> 11:00 am		<b>Data Collector:</b> David Clayton	
<b>Location:</b> Pedestrian Transect # M7 Dykes Mill Pond					
<b>Management Unit:</b> 4					
<b>Nuisance Species:</b> None <b>Fuel Load:</b> Low					
Wildlife Observations: Cardinal, Red bellied woodpecker					
<b>T &amp; E Species:</b> water sundew, smooth barked St. John's wort					
<b>Community Description:</b> Dykes Mill Pond has re-hydrated and water is flowing under bridge					
<u>Scientific Name</u>	<u>Common Name</u>	<u>Tree</u>	<u>Shrub</u>	<u>Vine</u>	<u>Herb</u>
<i>Amphicarpum muhlenbergianum</i>	Blue maidencane				X
<i>Andropogon glomeratus</i>	Bushy blue stem				X
<i>Andropogon virginicus</i>	Broom sedge				X
<i>Bidens mitis</i>	Bur marsh marigold				X
<i>Carphephorus odoratissimus</i>	Vanilla leaf				X
<i>Centella asiatica</i>	Centella				X
<i>Cephalanthus occidentalis</i>	Button bush		X		
<i>Cliftonia monophylla</i>	Black ti ti		X		
<i>Cyrilla racemiflora</i>	Red ti ti		X		
<i>Dicanthelium spp.</i>	Panic grass				X
<i>Drosera intermedia</i>	Water sundew				X
<i>Eleocharis sp.</i>	Eleocharis				X
<i>Eupatorium capillifolium</i>	Dog fennel				X
<i>Gelsemium sempervirens</i>	Florida jessamine			X	
<i>Hypericum lissophloeus</i>	Smooth barked St. John's wort		X		
<i>Hypericum fasciculatum</i>	St. John's wort		X		
<i>Ilex glabra</i>	Gall berry		X		
<i>Ilex vomitoria</i>	Yaupon		X		
<i>Lachnanthese caroliniana</i>	Red root				X
<i>Lachnocaulon anceps</i>	White topped bog buttons				X
<i>Lycopus rubellus</i>	Water horehound				X
<i>Numphar advena</i>	Spatterdock				X
<i>Nymphaea odorata</i>	Fragrant water lily				X
<i>Nyssa sylvatica</i>	Black gun	X			
<i>Panicum dichotimiflorum</i>	Fall panic grass				X
<i>Panicum hemitomon</i>	Maidencane				X
<i>Persea palustris</i>	Swam bay	X			
<i>Panicum rigidulum</i>	Red topped panicum				X
<i>Pinus elliotii</i>	Slash Pine	X			
<i>Pontederia cordata</i>	Pickereel weed				X
<i>Quercus hemispherica</i>	Diamond Oak	X			
<i>Rhexia alifanus</i>	Savannah meadow beauty				X
<i>Rhexia mariana</i>	Pale meadow beauty				X
<i>Rhynchospora inundata</i>	Horned beaksedge				X
<i>Rhynchospora microcephalla</i>	Bunched beaksedge				X
<i>Saccharum sp.</i>	Silver plume grass				X
<i>Sagittaria latifolia</i>	Duck potato				X
<i>Smilax sp.</i>	Catbriar			X	
<i>Taxodium ascendens</i>	Cypress	X			



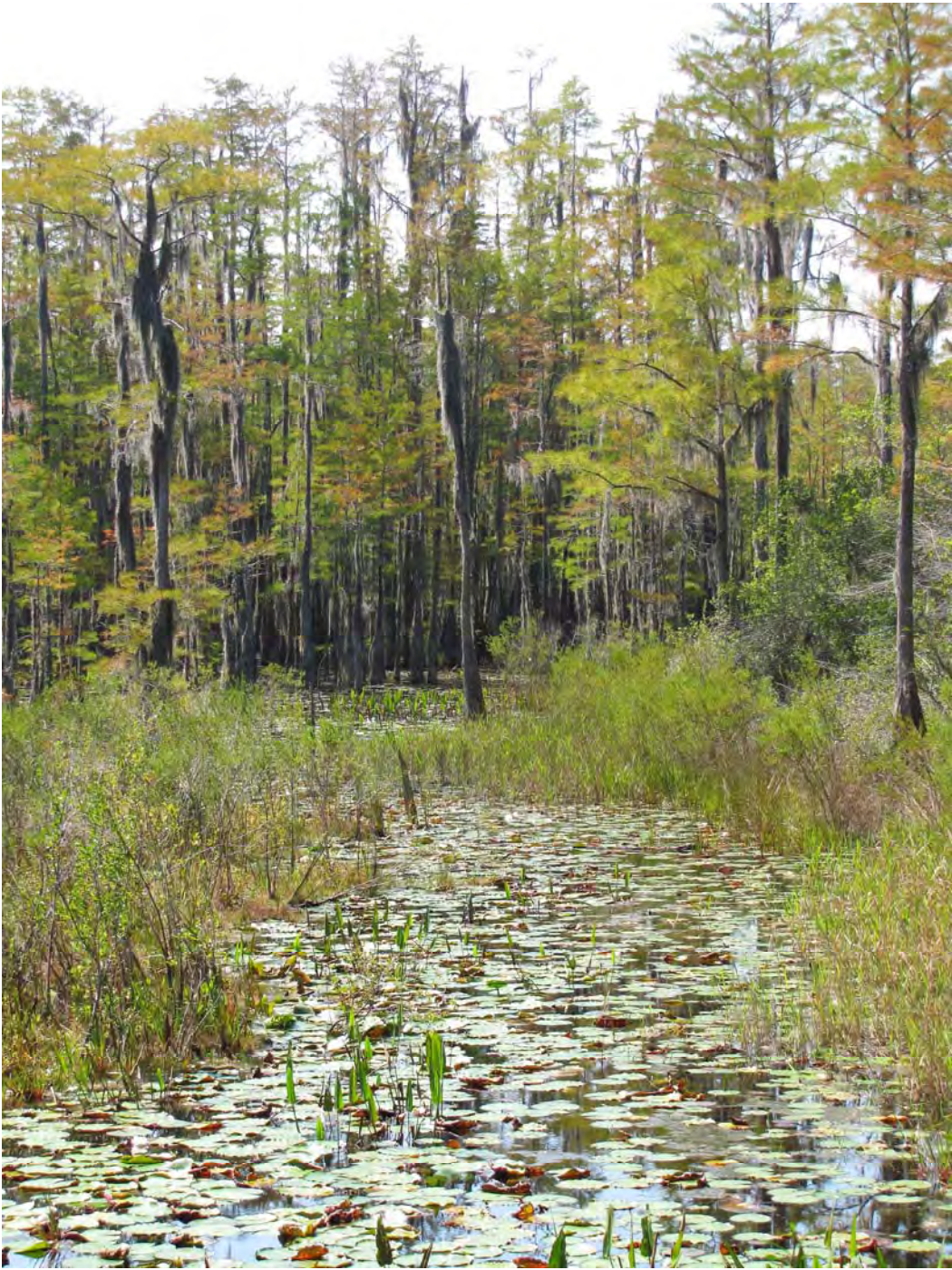
<i>Triadenum virginicum</i>	Marsh St. John's wort				X
<i>Utricularia cornuta</i>	Horned wort				X
<i>Utricularia floridana</i>	Bladderwort				X
<i>Xyris longisepala</i>	Kral's yellow-eyed grass				X
<i>Xyris sp.</i>	Yellow-eyed grass				X

\*\*\* Threatened or Endangered Species, \*\* New observation, \* Previously observed but not observed in 2009



M7: 10-09-2012 Dykes Mill Pond facing Southeast. Water lilies and cypress, pickerel weed, Preservation





M7: Dykes Mill Pond. Facing South. Cypress, water lilies, pickerelweed. Preservation

## Qualitative Field Assessment Form

Page 1 of 2

<b>Date:</b> 09-28-2012		<b>Time:</b> 10:41 am		<b>Data Collector:</b> David Clayton	
<b>Location:</b> Pedestrian Transect # M8 Pine Log and Dry Pond					
<b>Management Unit:</b> I and II					
<b>Nuisance Species:</b> None					
<b>Fuel Load:</b> Low					
<b>Wildlife Observations:</b> Great blue heron					
<b>T &amp; E Species:</b> None					
<b>Community Description:</b> Swamp dominated by pond cypress with a fringe of black gum...water present system appears to be filling. Trees healthy, numerous cypress seedlings.					
Scientific Name	Common Name	Tree	Shrub	Vine	Herb
<i>Andropogon glomeratus</i>	Bushy bluestem				X
<i>Bidens mitis</i>	Bur marsh marigold				X
<i>Brasenia schreberi</i>	Water shield				X
<i>Callicarpa americana</i>	Beauty berry		X		
<i>Campsis radicans</i>	Trumpet vine			X	
<i>Centella asiatica</i>	Centella				X
<i>Clethra alniflora</i>	Sweet pepperbush		X		
<i>Cephalanthus occidentalis</i>	Button bush		X		
<i>Cliftonia monophylla</i>	Black ti ti		X		
<i>Cyrilla racemiflora</i>	Red ti ti		X		
<i>Dichanthelium scoparium</i>	Velvet witch grass				X
<i>Dicanthelium</i> spp.	Panic grass				X
<i>Drosera intermedia</i>	Water sundew				X
<i>Eleocharis</i> sp.	Eleocharis				X
<i>Eupatorium capillifolium</i>	Dog fennel				X
<i>Gelsemium sempervirens</i>	Florida Jasmine			X	
<i>Hypericum</i> spp.	St. John's wort		X		
<i>Hypericum tetrapetalum</i>	St. Peter's wort				X
<i>Ilex glabra</i>	Ink berry		X		
<i>Ilex myrtifolia</i>	Myrtle leaf holly		X		
<i>Ilex vomitoria</i>	Yaupon		X		
<i>Itea virginica</i>	Virginia willow		X		
<i>Lachnanthese caroliniana</i>	Red root				X
<i>Lachnocaulon anceps</i>	White topped bog buttons				X
<i>Leucothoe racemosa</i>	Swamp dog hobble		X		
<i>Lycopus rubellus</i>	Taper leaf waterhorehound				X
<i>Magnolia virginiana</i>	Silver bay	X			
<i>Myrica cerifera</i>	Wax myrtle		X		
<i>Numphar advena</i>	Spatterdock				X
<i>Nymphaea odorata</i>	Fragrant water lily				X
<i>Nyssa sylvatica</i>	Black gun	X			
<i>Panicum dichotimiflorum</i>	Fall panic grass				X
<i>Panicum hemitomon</i>	Maidencane				X
<i>Panicum verrucosum</i>	Warty panicum				X
<i>Persea palustris</i>	Swam bay	X			
<i>Pinus taeda</i>	Loblolly pine	X			
<i>Pontederia cordata</i>	Pickerel weed				X
<i>Quercus laurifolia</i>	Swamp laurel oak	X			
<i>Rhexia alifanus</i>	Savannah meadow beauty				X
<i>Rhexia mariana</i>	Pale meadow beauty				X
<i>Rhexia virginica</i>	Handsome Harry				X



<i>Rynchospora inundata</i>	Horned beakrush				X
<i>Saccharinum giganteus</i>	Giant plume grass				X
<i>Sagittaria latifolia</i>	Duck potato				X
<i>Smilax sp.</i>	Catbriar			X	
<i>Taxodium ascendens</i>	Cypress	X			
<i>Triadenum virginicum</i>	Marsh St. John's wort				X
<b>Scientific Name</b>	<b>Common Name</b>	<b>Tree</b>	<b>Shrub</b>	<b>Vine</b>	<b>Herb</b>
<i>Utricularia floridana</i>	Bladderwort				X
<i>Vaccinium corymbosum</i>	High bush blueberry		X		
<i>Woodwardia aerolata</i>	Netted chain fern				X
<i>Xyris sp.</i>	Yellow-eyed grass				X

\*\*\* Threatened or Endangered Species, \*\* New Observation, \* Observed previously, but not seen in current survey



M8: 09-28-2012. Facing North, forested system flowing into Dry Pond from Pine Log Creek. Flow path with shallow water 1-3" deep. (Preservation)





M8: 09-28-2012. Facing North, Water in pond, cypress appear healthy. Recruitment of cypress found in dry down areas surrounding pond. (Preservation).



**Qualitative Field Assessment Form**

<b>Date:</b> 09-27-2012		<b>Time:</b> 12:10 pm		<b>Data Collector:</b> David Clayton	
<b>Location:</b> Pedestrian Transect # M9					
<b>Management Unit:</b> 1					
<b>Nuisance Species:</b> None					
<b>Fuel Load:</b> Low					
<b>Wildlife Observations:</b> None					
<b>T &amp; E Species:</b> None					
<b>Community Description:</b> Green ponds: dominated by pond cypress. Trees are healthy, numerous cypress seedlings of 1 to several yeas of age.					
<u>Scientific Name</u>	<u>Common Name</u>	<u>Tree</u>	<u>Shrub</u>	<u>Vine</u>	<u>Herb</u>
<i>Acer rubrum</i>	Red maple	X			
<i>Amphicarpum muhlenbergianum</i>	Blue maidencane				X
<i>Andropogon glomeratus</i>	Bushy bluestem				X
<i>Baccharis glomeruliflora</i>	Groundsel tree		X		
<i>Bidens mitis</i>	Bur marsh marigold				X
<i>Brasenia schreberi</i>	Water shield				X
<i>Carex glaucescens</i>	Clustered Sedge				X
<i>Centella asiatica</i>	Centella				X
<i>Cephalanthus occidentalis</i>	Button bush		X		
<i>Clethra alnifolia</i>	Sweet pepper bush		X		
<i>Cliftonia monophylla</i>	Black ti ti		X		
<i>Cyperus sp.</i>	Sedge				X
<i>Cyrilla racemiflora</i>	Titi		X		
<i>Dichanthelium sp.</i>	Witch grass				X
<i>Eleocharis sp.</i>	Eleocharis				X
<i>Eupatorium capillifolium</i>	Dog fennel				X
<i>Gelsemium sempervirens</i>	Florida jasmine			X	
<i>Hypericum fasciculatum</i>	St. John's wort		X		
<i>Ilex vomitoria</i>	Yaupon		X		
<i>Ilex myrtifolia</i>	Myrtle leaf holly		X		
<i>Itea virginica</i>	Virginia willow		X		
<i>Lachnanthese caroliniana</i>	Red root				X
<i>Liquidambar styraciflua</i>	Sweet gum	X			
<i>Lycopodium alopecuroides</i>	Foxtail club-moss				X
<i>Lycopus rubellus</i>	Water horehound				X
<i>Magnolia virginiana</i>	Silver bay	X			
<i>Myrica cerifera</i>	Wax myrtle		X		
<i>Numphar advena</i>	Spatterdock				X
<i>Nymphaea odorata</i>	Fragrant water lily				X
<i>Nyssa sylvatica</i> Marshall var. <i>biflora</i>	Swamp tupelo	X			
<i>Panicum hemitomon</i>	Maidencane				X
<i>Panicum verrucosum</i>	Warty panic grass				X
<i>Persea palustris</i>	Swamp Bay	X			
<i>Pluchea odorata</i>	Sweetscent				X
<i>Polyprenum procumbens</i>	Rustweed				X
<i>Pontederia cordata</i>	Pickerel weed				X
<i>Rhexia alifanus</i>	Savannah meadow beauty				X
<i>Rhexia mariana</i>	Pale meadow beauty				X
<i>Rhexia virginica</i>	Handsome Harry				X
<i>Rhus copallina</i>	Winged sumac		X		

<i>Richardia scabra</i>	Rough Mexican clover				X
<i>Rynchospora inundata</i>	Horned beakrush				X
<i>Rynchospora microcephala</i>	Small headed beakrush				X
<i>Sacciolepis striata</i>	American cupscale				X
<i>Sagittaria latifolia</i>	Duck potato				X
<i>Taxodium ascendens</i>	Cypress	X			
<i>Utricularia floridana</i>	Bladderwort				X
<i>Viola lanceolata</i>	Lance leaved violet				X
<i>Vitis rotundifolia</i>	Muscadine			X	
<i>Xyris sp.</i>	Yellow-eyed grass				X

\*\* New Observation, \*not observed in 2009



M9:09-27-2012 Facing West. Green Pond with some water. Extended drought has left most ponds near total dry down. Cypress are healthy and appropriate vegetation for drought conditions. (Preservatioj)





M9:09-27-2012 Facing Northwest. Green Pond with without water. Extended drought has left most ponds near total dry down. Cypress are healthy and appropriate vegetation for drought conditions (Preservation)



**Qualitative Field Assessment Form**

<b>Date</b> 09-24-2012		<b>Time:</b> 1:00 pm		<b>Data Collector:</b> David Clayton	
<b>Location:</b> Pedestrian: M10 near photo point 8 Dry Pond and Whale (See Figure 13 for location)					
<b>Management Unit:</b> 1, due to species composition, analyzed under hydric pine flatwoods, Management Unit 2 Planted wire grass, tooth ache grass and 22 native forbes.					
<b>Nuisance Species:</b> None <b>Fuel Load:</b> Low					
<b>Wildlife Observations:</b> Ground dove, Bob white quail T& E Species:					
<b>Community Description:</b> Area Gyro-Traked.					
<u>Scientific Name</u>	<u>Common Name</u>	<u>Tree</u>	<u>Shrub</u>	<u>Vine</u>	<u>Herb</u>
<i>Acer rubrum</i>	Red maple	X			
<i>Andropogon glomeratus</i>	Bushy blue stem				X
<i>Andropogon virginicus</i>	Broomsedge				X
<i>Agrostis stolonifera</i>	Creeping bentgrass				X
<i>Aristida stricta</i>	Wire grass***				X
<i>Arundinaria gigantea</i>	Switchcane				X
<i>Baccharis halimifolia</i>	Groundsel tree		X		
<i>Balduina uniflora</i>	One flowered coastal honeycomb head***				X
<i>Bidens mitis</i>	Bur marsh marygold				X
<i>Callicarpa americana</i>	American beautyberry		X		
<i>Carphephorus odoratissimus</i>	Vanilla leaf***				X
<i>Centella asiatica</i>	Centella				X
<i>Cephalanthus occidentalis</i>	Buttonbush		X		
<i>Clethra alnifolia</i>	Sweet pepperbush		X		
<i>Cliftonia monophylla</i>	Black ti ti		X		
<i>Ctenium aromaticum</i>	Tooth ache grass***				X
<i>Cyperus sp.</i>	Sedge				X
<i>Cyrilla racemiflora</i>	Red ti ti		X		
<i>Cuscuta gronovii</i>	Scaldweed dodder			X	
<i>Dichanthelium sp.</i>	Witch grass				X
<i>Digitaria sp.</i>	Crab grass				X
<i>Dulichium arundinaceum</i>	Three way sedge				X
<i>Eragrostis spectabilis</i>	Purple lovegrass				X
<i>Erigeron vernus</i>	White-topped fleabane				X
<i>Eupatorium capillifolium</i>	Dog fennel				X
<i>Eupatorium compositifolium</i>	Yankeeweed				X
<i>Euthamia caroliniana</i>	Slender flat-topped goldenrod				X
<i>Gaylussacia dumosa</i>	Dangleberry		X		
<i>Gelsemium sempervirens</i>	Florida Jasmine			X	
<i>Gordonia lasianthus</i>	Loblolly bay	X			
<i>Helenium autumnale</i>	Common sneezeweed***				X
<i>Helianthus angustifolius</i>	Swamp sunflower***				X
<i>Helianthus radula</i>	Rayless sunflower***				X
<i>Hypericum crux-andreae</i>	St. Peter's wort				X
<i>Hypericum fasciculatum</i>	St. John's wort				X
<i>Ilex coriacea</i>	Big gallberry		X		
<i>Ilex glabra</i>	Gallberry		X		
<i>Ilex myrtifolia</i>	Myrtle-leaved holly		X		
<i>Ilex vomitoria</i>	Yaupon		X		

<i>Kalmia hirsuta</i>	Wicki		X		
<i>Lachnanthes caroliana</i>	Redroot				X
<i>Leucothoe racemosa</i>	Dog hobble		X		
<i>Ludwigia decurrens</i>	Seedbox				X
<i>Lycopus rubellus</i>	Waterhorehound				X
<i>Lyonia lucida</i>	Fetterbush		X		
<i>Nymphaea odorata</i>	Fragrant water lily				X
<i>Magnolia grandiflora</i>	Southern magnolia	X			
<i>Muhlenbergia expansa</i>	Cut-over muhly grass***				X
<i>Nuphar advena</i>	Spatterdock				X
<i>Osmunda regalis</i>	Royal fern				X
<i>Oxydendrom areboreum</i>	Sourwood	X			
<i>Panicum hemitomon</i>	Maidencane				X
<i>Panicum verrucosum</i>	Warty panic grass				X
<i>Persea borbonia</i>	Red bay	X			
<i>Persea palustris</i>	Swamp Bay	X			
<i>Phytolacca americana</i>	Poke				X
<i>Pieris phyllyreifolia</i>	Pieris		X		
<i>Pinus elliotii</i>	Slash pine	X			
<i>Pinus serotina</i>	Pond pine	X			
<i>Polygala lutea</i>	Candy weed				X
<i>Pteridium aquilinum</i>	Brachen fern				X
<i>Quercus nigra</i>	Water oak	X			
<i>Quercus pumila</i>	Runner oak		X		
<i>Quercus virginiana</i>	Live oak	X			
<i>Rhexia mariana</i>	Meadow beauty				X
<i>Rhus copallinum</i>	Winged sumac		X		
<i>Rhynchospora inundata</i>	Beakrush				X
<i>Rhynchospora sp.</i>	Beakrush				X
<i>Rubus argutus</i>	Black berry		X		
<i>Saccharum giganteum</i>	Giant plume grass				X
<i>Scleria sp.</i>	Nutgrass				X
<i>Serenoa repens</i>	Saw-palmetto		X		
<i>Solidago fistulosa</i>	Pine barren goldenrod				X
<i>Sorghastrum secundum</i>	Lopsided Indian Grass				X
<i>Smilax laurifolia</i>	Catbriar			X	
<i>Smilax sp.</i>	Catbriar			X	
<i>Taxodium ascendens</i>	Cypress	X			
<i>Tridens flavus</i>	Purple top tridens				X
<i>Vaccinium corymbosum</i>	High bush blueberry		X		
<i>Vaccinium myrsinities</i>	Shiny blueberry		X		
<i>Viola lanceolata</i>	Lance leaved violet				X
<i>Vitus rotundifolia</i>	Wild muscadine grape			X	
<i>Woodwardia aerolata</i>	Netted chain fern				X
<i>Woodwardia virginica</i>	Virginia chain fern				X
<i>Xyris sp.</i>	Yellow-eyed grass				X

\*\* New observation \*Found initially but not observed in this survey \*\*\* Planted





M10: Facing East, 09-24-2012. Hydrich Pine Flatwoods restored from Titi swamp. Gyro-Trac followed by intense shrub reduction. Planted wire and tooth ache grass and hydrich pine flatwood wildflowers. (Restoration)



M10: Facing t, 09-24-2012. Hydrich Pine Flatwoods restored from Titi swamp. Gyro-Trac followed by intense shrub reduction. Planted wire and tooth ache grass and hydrich pine flatwood wildflowers. Restoration

## Qualitative Field Assessment Form

<b>Date:</b> 09-27-12 <b>Time:</b> 11:38 am <b>Data Collector:</b> David Clayton					
<b>Location:</b> Pedestrian Transect # M11 and Photo point 12 moved to represent wet flatwoods habitat. The area was gyrotracked during the late spring and summer 2007. Dry and Green Ponds					
<b>Management Unit:</b> 2					
<b>Nuisance Species:</b>					
<b>Fuel Load:</b> moderate, area was burned in winter 2007/2008					
<b>Wildlife Observations:</b> Mourning dove, titmouse, blue jay					
<b>T &amp; E Species:</b> none					
<b>Community Description:</b> Degraded wet flatwoods overgrown by shrubs grading into a hardwood swamp. Area has minimal black titi, and quite a few new species were observed.					
<u>Scientific Name</u>	<u>Common Name</u>	<u>Tree</u>	<u>Shrub</u>	<u>Vine</u>	<u>Herb</u>
<i>Andropogon glomeratus</i>	Busy blue stem				X
<i>Aristida stricta</i>	Wire grass				X
<i>Bidens mitis</i>	Bur marsh merigold				X
<i>Centella asiatica</i>	Centella				X
<i>Cladium jamaicense</i>	Saw-grass				X
<i>Clethra alnifolia</i>	Sweet pepper bush				X
<i>Cliftonia monophylla</i>	Black ti ti		X		
<i>Cyperus sp.</i>	Cyperus				X
<i>Dicanthelium spp.</i>	Witch grass				X
<i>Drosera capillaris</i>	Pink sundew				X
<i>Eragrostis elliottii</i>	Love grass				X
<i>Eupatorium capillifolium</i>	Dog fennel				X
<i>Gelsemium sempervirens</i>	Florida Jasmine			X	
<i>Hypericum crux-andreae</i>	St. Peter's wort				X
<i>Hypericum fasciculatum</i>	St. Johns wort				X
<i>Ilex coriacea</i>	Large gall berry		X		
<i>Ilex glabra</i>	Gall berry		X		
<i>Ilex myrtifolia</i>	Myrtle-leaved holly		X		
<i>Lachnanthes caroliana</i>	Red root				X
<i>Lachnocaulon anceps</i>	Bog buttons				X
<i>Leucothoe racemosa</i>	Swamp dog hobble		X		
<i>Liatris spicata</i>	Bushy shooting star				X
<i>Lycopodium alopecuroides</i>	Foxtail clubmoss				X
<i>Lycopus rubellus</i>	Water horehound				X
<i>Lyonia lucida</i>	Fetter bush		X		
<i>Magnolia virginiana</i>	Silver bay	X			
<i>Myrica cerifera</i>	Wax myrtle		X		
<i>Panicum rigidulum</i>	Red topped panicum				X
<i>Panicum verrucosum</i>	Warty panic grass				X
<i>Panicum virgatum</i>	Switch grass				X
<i>Persea palustris</i>	Swamp Bay	X			
<i>Pinus elliottii</i>	Slash pine	X			
<i>Pinus teada</i>	Loblolly pine	X			
<i>Osmunda cinnamomea</i>	Cinnamon fern				X
<i>Rhexia alifanus</i>	Savannah meadow beauty				X
<i>Rhexia mariana</i>	Pale meadow beauty				X
<i>Rhexia virginica</i>	Handsome Harry				X
<i>Rhynchospora inundata</i>	Beakrush				X
<i>Rhycospora sp.</i>	Beakrush				X
<i>Smilax laurifolia</i>	Catbriar			X	



<i>Taxodium ascendens</i>	Pond cypress	X			
<i>Triadenum virginicum</i>	Virginia St. Johns Wort				X
<i>Vaccinium corymbosum</i>	Highbush blueberry		X		
<i>Woodwardia aerolata</i>	Netted chain fern				X
<i>Xyris sp.</i>	Yellow-eyed grass				X

\*\* New observation \* Not observed



M11: 09-27-2012 Facing West. Hydric Pine Flatwoods Restoration Area, shrub reduction and planting of wire grass.



M11\_09-27-2912 Facing Southwest: Hydrich Pine Flatwoods restoration, planted wire grass.



## Qualitative Field Assessment Form

Page 1 of 2

<b>Date:</b> 9-27-12		<b>Time:</b> 10:00am		<b>Data Collector:</b> David Clayton	
<b>Location:</b> Pedestrian Transect # M12 near photo point 11		<b>Management Unit:</b> 10			
<b>Nuisance Species:</b> None observed					
<b>Fuel Load:</b> Oak Trees have been thinned, area burned 9-26-12					
<b>Wildlife Observations:</b> none					
<b>Community Description:</b> Sand hill that has been overgrown with diamond and live oak. Good wire grass cover remains throughout the majority of the site. Wire grass flowering					
<u>Scientific Name</u>	<u>Common Name</u>	<u>Tree</u>	<u>Shrub</u>	<u>Vine</u>	<u>Herb</u>
<i>Andropogon glomeratus</i>	Busy blue stem				X
<i>Aristida stricta</i> var. <i>beyrichiana</i>	Wiregrass				X
<i>Baptisia lanceolata</i>	Gopher weed				X
<i>Balduina angustifolia</i>	Coastal plain honey comb head				X
<i>Bulbostylis ciliatifolia</i>	Capillary hair sedge				X
<i>Castanea pumila</i>	Chinkapin	X			
<i>Chrysoma pauciflosculosa</i>	Woody goldenrod				X
<i>Cliftonia monophylla</i>	Black titi		X		
<i>Cnidocolus stimulosus</i>	Tread-softly				X
<i>Cryopsis linearifolia</i>	Golden aster				X
<i>Dichanthelium</i> sp.	Witch grass				X
<i>Diospyros virginiana</i>	Persimon	X			
<i>Eriogonum tomentosum</i>	Wild buckwheat				X
<i>Eupatorium capillifolium</i>	Dog fennel				X
<i>Euthamia caroliniana</i>	Flat topped goldenrod				X
<i>Euphorbia floridana</i>	Florida pineland spurge				X
<i>Galactia</i> sp.	Milk pea				
<i>Gaylussacia dumosa</i>	Dwarf huckleberry		X		
<i>Gelsemium sempervirens</i>	Florida jasmine			X	
<i>Hypericum crux-andreae</i>	St. Peter's wort				X
<i>Hypericum gentianoides</i>	Orangeweed				X
<i>Ilex opaca</i>	American holly	X			
<i>Ilex vomitoria</i>	Yaupon		X		
<i>Licania michauxii</i>	Gopher apple				X
<i>Opuntia humifusa</i>	Pricklypear cactus				X
<i>Osmanthus americana</i>	Wild olive		X		
<i>Paronychia rugelii</i>	Sand squares				X
<i>Penstemon multiflorus</i>	Many flowered beardstongue				X
<i>Persea borbonia</i>	Red bay	X			
<i>Phytolacca americana</i>	Poke				X
<i>Pinus clausa</i>	Sand Pine	X			
<i>Pinus elliotii</i>	Slash pine	X			
<i>Pinus palustris</i>	Longleaf pine	X			
<i>Polygonella gracilis</i>	Wireweed				X
<i>Prunus caroliniana</i>	Cherry laurel	X			
<i>Prunus serotina</i>	Black cherry	X			
<i>Quercus geminata</i>	Sand live oak	X			
<i>Quercus hemisphaerica</i>	Diamond oak	X			
<i>Quercus incana</i>	Blue jack oak	X			

<i>Quercus laevis</i>	Turkey oak	X			
<i>Quercus margaretta</i>	Sand post oak	X			
<i>Quercus virginiana</i>	Live oak	X			
<i>Rhus copallina</i>	Winged sumac		X		
<i>Rhexia mariana</i>	Meadow beauty				X
<i>Scleria sp.</i>	Scleria				X
<i>Smilax sp.</i>	Catbriar			X	
<i>Solidago fistulosa</i>	Pine barren goldenrod				X
<i>Sporobolus junceus</i>	Piney woods dropseed				X
<i>Trichostema dichotomum</i>	Blue curls				X
<i>Trichostema setaceum</i>	Blue curls				X
<i>Vaccinium arboreum</i>	Farkleberry		X		
<i>Vaccinium corymbosum</i>	High bush blueberry		X		
<i>Vaccinium myrsinites</i>	Shiny blue berry		X		
<i>Vitis rotundifolia</i>	Muscadine			X	
<i>Yucca filamentosa</i>	Adam's needle				X

\*\* New Observation, Previously observed, not observed in 2007



M12: 9-27-2012 Facing Northeast: Sandhill restoration from Oak Hummock, just burned 9/26/12  
Restoration



M12: 9-27-2012 Sandhill restoration from oak hummock, just burned 9/23/12  
Restoration





**Qualitative Field Assessment Form**

<b>Date:</b> 10-09-2012 <b>Time:</b> 1:35 pm <b>Data Collector:</b> David Clayton					
<b>Location:</b> Pedestrian Transect # M13 near photo point 7, Management Unit 10					
<b>Nuisance Species:</b> None					
<b>Fuel Load:</b> Oak Trees have been thinned, area burned winter 2007/2008, fuel load low					
Wildlife Observations: blue jay					
<b>T &amp; E Species:</b> Gulf coast lupine, active gopher tortoise burrow					
<b>Community Description:</b> Sandhill upland upslope of black pond. Sandhill: good diversity and excellent groundcover. Wire grass bloomed this summer...area planted with long leaf pine.					
<b>Scientific Name</b>	<b>Common Name</b>	<b>Tree</b>	<b>Shrub</b>	<b>Vine</b>	<b>Herb</b>
<i>Agalinis fasciculata</i>	Threadleaf false foxgloves				X
<i>Andropogon glomeratus</i>	Busy blue stem				X
<i>Andropogon virginicus</i>	Broom sedge				X
<i>Aristida stricta</i> var. <i>beyrichiana</i>	Wiregrass				X
<i>Aristida spiciformis</i>	Bottlebrush three awn				X
<i>Aster wateri</i>	Walter's aster				X
<i>Baptisia lanceolata</i>	Gopher weed				X
<i>Baulduina angustifolia</i>	Coastal plain honeycombhead				X
<i>Bulbostylis ciliatifolia</i>	Capillary hair sedge				X
<i>Carphephorus odoratissimus</i>	Vanilla leaf				X
<i>Callicarpa americana</i>	Beauty berry				X
<i>Ceanothus microphyllus</i>	Redroot				X
<i>Coelorachis cylindrica</i>	Carolina joint-tail grass				X
<i>Croton argyranthemus</i>	Silver croton				X
<i>Chrysoma pauciflorescens</i>	Woody Goldenrod				X
<i>Cnidioscolus stimulosus</i>	Tread softly				X
<i>Crysopsis scabrella</i>	Goldenaster				X
<i>Cyperus</i> sp.	Sedge				X
<i>Dalea pinatta</i>	Summer farewell				X
<i>Dicanthelium</i> spp.	Panic grass				X
<i>Diospyros virginiana</i>	Persimmon	X			
<i>Eragrostis spectabilis</i>	Purple love grass				X
<i>Eriogonum tomentosum</i>	Wild Buckwheat				X
<i>Eupatorium capillifolium</i>	Dog fennel				X
<i>Eupatorium mohrii</i>	Eupatorium				X
<i>Euthamia caroliniana</i>	Flat-topped goldenrod				X
<i>Galactia volubilis</i>	Milkpea				X
<i>Gaylussacia dumosa</i>	Dwarf huckleberry		X		
<i>Gelsemium sempervirens</i>	Florida Jasmine			X	
<i>Haplopappus divaricatus</i>	Scratch daisy				X
<i>Hieracium gronovii</i>	Hawkweed				X
<i>Hypericum crux-andreae</i>	St. Peter's wort				X
<i>Hypericum gentianoides</i>	Orangeweed				X
<i>Ilex opaca</i>	American holly	X			
<i>Ilex vomitoria</i>	Yaupon		X		
<i>Lespedeza hirta</i>	Hairy lespedeza				X
<i>Liatris chapmanii</i>	Slender gayfeather				X
<i>Liatris pauciflora</i>	Few flowered gayfeather				X

<i>Licania michauxii</i>	Gopher apple				X
<i>Lupinus diffusus</i>	Sky-blue lupine				X
<i>Lupinus westianus</i>	Gulf coast lupine				X
<i>Mimosa quadrivalvis L. var. angustata</i>	Sensitive brial				X
<i>Opuntia humifusa</i>	Pricklypear cactus				X
<i>Panicum dichotimiflorum</i>	Fall panic grass				X
<i>Penstemon multiflorus</i>	Many flower beardstongue				X
<i>Polygonella gracilis</i>	Wire weed				X
<i>Pinus clausa</i>	Sand Pine	X			
<i>Pinus elliotii</i>	Slash pine	X			
<i>Pinus palustris</i>	Longleaf pine	X			
<i>Pityopsis graminifolia</i>	Golden Aster				X
<i>Polygonella gracilis</i>	Wireweed				X
<i>Polygonella polygama</i>	October flower				X
<i>Pteridium aquilinum</i>	Bracken fern				X
<i>Quercus geminata</i>	Sand Live Oak	X			
<i>Quercus hemispharica</i>	Diamond oak	X			
<i>Quercus incana</i>	Blue jack oak	X			
<i>Quercus laevis</i>	Turkey oak	X			
<i>Quercus margaretta</i>	Sand post oak	X			
<i>Quercus pumila</i>	Runner oak		X		
<i>Rhexia mariana</i>	Pale meadow beauty				X
<i>Rhus copallinum</i>	Winged sumac		X		
<i>Rubus cuneifolius</i>	Blackberry			X	
<i>Seymeria cassioides</i>	Senna seymaria				X
<i>Serenoa repens</i>	Saw Palmetto		X		
<i>Schizachyrium scoparium</i>	Little blue stems				X
<i>Smilax sp</i>	Catbriar			X	
<i>Solidago fistulosa</i>	Pinebarren goldenrod				X
<i>Stylisma patens</i>	Coastal plain dawnflower				X
<i>Trichostema setaceum</i>	Narrow-leaved blue curls				X
<i>Vaccinium arboreum</i>	Sparkle berry		X		
<i>Vaccinium corymbosum</i>	High bush blueberry		X		
<i>Vaccinium myrsinites</i>	Shiny blue berry		X		
<i>Viola palmata</i>	Early blue violet				X
<i>Vitis rotundiflora</i>	Muscadine			X	
<i>Yucca filamentosa</i>	Adam's needle				X

\*\*\* Threatened or endangered species, \*\* New observation \*Previously observed but not observed in current survey



M13: 10-09-12 Facing Northwest. Sandhill with live oak clump, great wiregrass cover.  
Enhancement



M13: 10-09-12. Facing Northeast. Sandhill overlooking Black Pond. Good wiregrass cover  
Enhancement