

MOBILE BOTANICAL GARDENS LONGLEAF PINE FOREST



INVENTORY AND CHECKLIST OF THE VASCULAR PLANTS

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JUNE, 2009 UPDATE

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Checklist and Inventory of the Vascular Flora, June, 2007

Site Location and Description

The site is a sandy, wooded hillside of approximately 27 acres, in Mobile County, Alabama, within the corporate limits of the City of Mobile. More-or-less rectangular in shape, it is bounded on the north by Museum Drive, on the west by Pat Ryan Drive. Residential lots on Carmel Drive are on the southern boundary, and a wet ditch is on the eastern property line. The area is mapped on the USGS 7.5 Minute Series "Spring Hill Quadrangle." Coordinates are: N 30° – 42' – 7"; W 088° – 09' – 32".

The dominant vascular plant on the site is Longleaf Pine, *Pinus palustris*, the keystone species for the historic longleaf pine ecosystem that once dominated the American South. As part of an ongoing habitat management and restoration regime, controlled burns were conducted by the Botanical Gardens in 2005, 2006, 2007, and again in the late winter of 2008.

Inventory Summary

Vascular plant families: 54

Vascular plant species: 175

Woody species (per *Godfrey*; see References): 72

Naturalized species; indicated by (N) in the listing: 28

Other Data

The above summary confirms the extreme diversity of longleaf pine communities, which are among the most biologically diverse terrestrial habitats in North America. The inventory was prepared from plant surveys conducted in May, June, and August, 2007, with the bulk of the field work done on June 27. Additional visits to the Longleaf Forest, particularly if conducted at different times of the year, will reveal additional species to add to the inventory.

We congratulate Mobile Botanical Gardens for their stewardship in preserving this remnant of the once great southern longleaf ecosystem. This wooded site, set aside and managed as a natural longleaf pine community within a major metropolitan area, is very special indeed. We sincerely hope this checklist and inventory will be of some value in their conservation efforts.

Fred Nation and Harry Larsen

The Inventory

ACERACEAE (Maple Family)

Acer rubrum Red Maple

ANACARDIACEAE (Sumac Family)

Rhus copallinum Winged Sumac, Shining Sumac

Toxicodendron pubescens Poison Oak

ANNONACEAE (Custard Apple Family)

Asimina parviflora Dwarf Pawpaw

AQUIFOLIACEAE (Holly Family)

Ilex glabra Gallberry, Inkberry

Ilex opaca American Holly

Ilex vomitoria Yaupon

ARACEAE

Colocasia esculenta Wild Taro, Dasheen (N)

ARALIACEAE (Ginseng Family)

Hedera helix English Ivy (N)

ARECACEAE (Palm Family)

Serenoa repens Saw Palmetto

ASCLEPIADACEAE (Milkweed Family)

Asclepias humistrata Sandhill Milkweed
Asclepias obovata Pineland Milkweed
Asclepias tuberosa Butterflyweed

ASTERACEAE (Sunflower Family)

Ambrosia artemisiifolia Annual Ragweed
Ambrosia trifida Giant Ragweed
Baccharis halimifolia Groundsel, Silverling
Carphephorus odoratissimus Vanilla Leaf
Conoclinium coelestinum Mistflower
Coreopsis major Greater Tickseed
Coreopsis tinctoria Golden Tickseed
Elephantopus elatus Tall Elephant's-foot
Elephantopus tomentosus Devil's Grandmother
Erechtites hieraciifolius American Burnweed, Fireweed
Erigeron strigosus Prairie Fleabane
Eupatorium capillifolium Dog-fennel
Eupatorium compositifolium Yankeeweed
Euthamia caroliniana Flattop Goldenrod
Gnaphalium obtusifolium Cudweed
Helenium amarum Bitterweed
Lactuca canadensis Canada Lettuce
Liatris gracilis Slender Gayfeather
Pityopsis aspera Pineland Silk-grass
Pityopsis graminifolia Silk-grass
Pyrrhopappus carolinianus False Dandelion
Rudbeckia hirta Blackeyed Susan
Solidago canadensis Tall Goldenrod, Canada Goldenrod
Solidago odora Anise-scented Goldenrod
Symphotrichum sp. Aster
Symphotrichum dumosum Ricebutton Aster
Tetragonotheca helianthoides Pineland Nerveray, Squarehead

BIGNONIACEAE (Trumpet-creeper Family)

Bignonia capreolata Cross Vine,
Campsis radicans Trumpet Creeper, Cow-itch

BUDDLEJACEAE (Butterfly-bush Family)

Polypremum procumbens Rustweed

CAMPANULACEAE (Bellflower Family)

Wahlenbergia marginata Southern Rockbell (N)

CAPRIFOLIACEAE (Honeysuckle Family)

Lonicera japonica Japanese Honeysuckle (N)
Sambucus canadensis American Elder

CHRYSOBALANACEAE (Coco-plum Family)

Licania michauxii Gopher Apple

CISTACEAE (Rockrose Family)

Lechea minor Thymeleaf Pinweed

CLUSIACEAE (St Johnswort Family)

Hypericum crux-andreae St Andrew's Cross
Hypericum gentianoides Orange Grass

COMMELINACEAE (Dayflower Family)

Commelina erecta Whitemouth Dayflower

CONVOLVULACEAE (Morning Glory Family)

Ipomoea hederacea Ivy-leaf Morning Glory
Ipomoea pandurata Man-of-the-Earth
Ipomoea quamocilt Cypress Vine (N)
Jacquemontia tammifolia Hairy Clustervine
Stylisma humistrata Southern Dawnflower

CORNACEAE (Dogwood Family)

Cornus florida Flowering Dogwood
Nyssa sylvatica Black Tupelo, Black Gum

CUCURBITACEAE (Gourd Family)

Melothria pendula Creeping Cucumber

CYPERACEAE (Sedge Family)

Carex longii Long's Sedge
Kyllinga odorata Fragrant Spike Sedge
Kyllinga squamulata Asian Spikesedge (N)
Rhynchospora grayi Gray's Beaksedge
Rhynchospora sp. Beaksedge

DENNSTAEDTIACEAE (Bracken Fern Family)

Pteridium aquilinum Bracken Fern

EBENACEAE (Ebony Family)

Diospyros virginiana Persimmon

ELAEAGNACEAE (Elaeagnus Family)

Elaeagnus pungens Thorny Olive (N)

ERICACEAE (Heath Family)

Rhododendron indicum Indica Azalea (planted)
Vaccinium arboreum Sparkleberry
Vaccinium elliotii Elliott's Blueberry, Mayberry
Vaccinium stamineum Deerberry, Buckberry

EUPHORBIACEAE (Spurge Family)

Acalypha gracilens Three-seeded Mercury
Cnidoscolus stimulosus Tread-softly, Finger-rot
Croton capitatus Woolly Croton
Phyllanthus urinaria Gripweed, Chamber Bitter (N)

<i>Triadica sebifera</i>	Chinese Tallowtree, Popcorn Tree (N)
<i>Tragia smallii</i>	Small's Noseburn
<i>Tragia urens</i>	Wavyleaf Noseburn

FABACEAE (Pea Family)

<i>Albizzia julibrissin</i>	Silktree, Mimosa (N)
<i>Centrosema virginianum</i>	Butterfly Pea
<i>Chamaechrista fasciculata</i>	Partridge Pea
<i>Crotalaria rotundifolia</i>	Rabbitbells
<i>Crotalaria spectabilis</i>	Showy Rattlebox (N)
<i>Desmodium sp.</i>	Tick-trefoil
<i>Galactia sp.</i>	Milkpea
<i>Lespedeza bicolor</i>	Two-color Bushclover (N)
<i>Lespedeza cuneata</i>	Chinese Bushclover (N)
<i>Lespedeza violacea</i>	Violet Lespedeza
<i>Lespedeza repens</i>	Creeping Bushclover
<i>Pueraria montana</i>	Kudzu (N)
<i>Rhynchosia cytisoides</i>	Royal Snoutbean
<i>Rhynchosia reniformis</i>	Dollarleaf
<i>Sesbania drummondii</i>	Poisonbean
<i>Strophostyles helvula</i>	Trailing Fuzzybean
<i>Tephrosia florida</i>	Florida Hoarypea
<i>Wisteria sinensis</i>	Chinese Wisteria (N)

FAGACEAE (Beech Family)

<i>Quercus falcata</i>	Southern Red Oak
<i>Quercus hemisphaerica</i>	Darlington Oak
<i>Quercus incana</i>	Bluejack Oak
<i>Quercus laevis</i>	Turkey Oak
<i>Quercus margaretta</i>	Sand Post Oak
<i>Quercus nigra</i>	Water Oak
<i>Quercus geminata</i>	Sand Live Oak
<i>Quercus virginiana</i>	Live Oak

JUGLANDACEAE (Walnut Family)

<i>Carya tomentosa</i>	Mockernut Hickory
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LAMIACEAE (Mint Family)

<i>Calamintha coccinea</i>	Scarlet Calamint
<i>Hyptis mutabilis</i>	Tropical Bushmint (N)
<i>Salvia lyrata</i>	Lyreleaf Sage, Cancer Weed
<i>Salvia azurea</i>	Blue Salvia

LAURACEAE (Laurel Family)

<i>Cinnamomum camphora</i>	Camphortree (N)
<i>Sassafras albidum</i>	Sassafras

LILIACEAE (Lily Family)

<i>Allium sp.</i>	Wild Onion
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LINACEAE (Flax Family)

<i>Linum medium</i>	Stiff Yellow Flax
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LOGANIACEAE (Logania Family)

<i>Gelsemium sempervirens</i>	Carolina Jasmine
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MAGNOLIACEAE (Magnolia Family)

<i>Liriodendron tulipifera</i>	Yellow Poplar, Tulip Poplar
<i>Magnolia grandiflora</i>	Southern Magnolia, Bullbay

MALVACEAE (Hibiscus Family)

<i>Hibiscus aculeatus</i>	Pineland Hibiscus
<i>Sida rhombifolia</i>	Indian Hemp

MELASTOMATACEAE (Meadow Beauty Family)

<i>Rhexia alifanus</i>	Tall Meadow Beauty
<i>Rhexia mariana</i>	Pale Meadow Beauty, Maryland Meadow Beauty
<i>Rhexia virginica</i>	Handsome Harry, Virginia Meadow Beauty

OLEACEAE (Olive Family)

<i>Ligustrum japonicum</i>	Japanese Privet (N)
<i>Ligustrum sinense</i>	Chinese Privet (N)

ONAGRACEAE (Evening Primrose Family)

<i>Ludwigia alternifolia</i>	Seedbox
<i>Oenothera laciniata</i>	Cutleaf Evening Primrose

PHYTOLACCACEAE (Pokeweed Family)

<i>Phytolacca americana</i>	American Pokeweed, Pigeonberry
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PINACEAE (Pine Family)

<i>Pinus echinata</i>	Shortleaf Pine
<i>Pinus elliottii</i>	Slash Pine
<i>Pinus palustris</i>	Longleaf Pine
<i>Pinus taeda</i>	Loblolly Pine

POACEAE (Grass Family)

<i>Andropogon sp.</i>	Broom Sedge
<i>Aristida sp.</i>	Three-awn Grass
<i>Danthonia spicata</i>	Poverty Grass
<i>Dichanthelium sp.</i>	Rosette Grass
<i>Digitaria sanguinalis</i>	Hairy Crabgrass
<i>Elymus virginicus</i>	Virginia Wild Rye
<i>Imperata cylindrica</i>	Cogongrass (N)
<i>Panicum repens</i>	Torpedograss (N)
<i>Panicum sp.</i>	Panic Grass
<i>Paspalum notatum</i>	Bahia Grass (N)
<i>Paspalum plicatum</i>	Brownseed Paspalum

POLYGALACEAE (Milkwort Family)

<i>Polygala nana</i>	Candyroot
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RANUNCULACEAE (Buttercup Family)

<i>Clematis terniflora</i>	Sweet Autumn Virgin's Bower (N)
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ROSACEAE (Rose Family)

<i>Prunus caroliniana</i>	Carolina Laurelecherry
<i>Prunus serotina</i>	Black Cherry
<i>Prunus umbellata</i>	Flatwoods Plum
<i>Rubus trivialis</i>	Southern Dewberry

RUBIACEAE (Madder Family)

<i>Diodia teres</i>	Poor-joe
<i>Galium hispidulum</i>	Coastal Bedstraw
<i>Houstonia procumbens</i>	Innocence
<i>Richardia brasiliensis</i>	Tropical Mexican Clover
<i>Richardia scabra</i>	Rough Mexican Clover (N)

SALICACEAE (Willow Family)

<i>Salix nigra</i>	Black Willow
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SCHIZAEACEAE (Shield-fern Family)

<i>Lygodium japonicum</i>	Japanese Climbing Fern (N)
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SMILACACEAE (Catbriar Family)

<i>Smilax auriculata</i>	Earleaf Greenbriar
<i>Smilax bona-nox</i>	Saw Greenbriar
<i>Smilax glauca</i>	Cat Greenbriar, Wild Sarsparilla
<i>Smilax pumila</i>	Sarsparilla Vine
<i>Smilax smalli</i>	Jackson Vine, Lanceleaf Greenbriar

SOLANACEAE (Nightshade Family)

<i>Solanum americanum</i>	American Black Nightshade
<i>Solanum carolinense</i>	Carolina Horsenettle

SYMPLOCACEAE (Sweetleaf Family)

<i>Symplocos tinctoria</i>	Sweetleaf, Horse-sugar
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THEACEAE (Camellia Family)

<i>Camellia japonica</i>	Japanese Camellia (planted)
<i>Camellia sasanqua</i>	Sasanqua Camellia (planted)
<i>Ternstroemia gymnanthera</i>	Japanese Ternstroemia, Cleyera (planted)

VERBENACEAE (Vervain Family)

<i>Glandularia pulchella</i>	Cutleaf Verbena, Moss Verbena (N)
<i>Verbena brasiliensis</i>	Brazilian Verbena (N)
<i>Verbena rigida</i>	Stiff Verbena (N)
<i>Callicarpa americana</i>	Beautyberry

VITACEAE (Vine or Grape Family)

<i>Ampelopsis arborea</i>	Pepper Vine
<i>Ampelopsis cordata</i>	Heartleaf Peppervine
<i>Parthenocissus quinquefolia</i>	Virginia Creeper
<i>Vitis aestivalis</i>	Summer Grape
<i>Vitis rotundifolia</i>	Muscadine, Bullace

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