

INTRODUCTION

Lance Rosier Unit of the Big Thicket National Preserve

The Rosier Unit of the Big Thicket National Preserve exhibits a wide range of vegetational diversity in spite of the fact that topographical relief is slight. Elevation is 90' at the N.E. point of the triangle formed by highways 770, 326 and 105; 110' at the Saratoga salt dome on the N.W. corner; gradually sloping to 35' at the S.E. point. The N.E. point was Longleaf Pine - Bluestem Range with Savannah Wetlands predominating until most of these uplands were planted to slash pine plantations about 15 + years ago. Pine Savannah wetlands extended far beyond the present forest line within historical times but fire suppression has permitted an invasion of pioneer trees and shrubs.

It appears that the newly-deposited (10 - 38,000 ybp^t) alluvium below the Montgomery formation has four possible terrace levels above the present Trinity River active floodplain. A cross section line NE/SW shows a classic gradation from Upland to Savannah Wetlands to Beech-Magnolia-Loblolly Pine to what could have been an upper terrace level with deep sand ridges on the streamward side which could have been stream levee deposits when the Montgomery Formation uplands boundary formed the bluff line of an ancient Trinity River active floodplain. In time, this floodplain became inactive also and similarities are seen here with stream patterns and vegetation found on Neches River upper terraces in the Jack Gore Baygall Unit. At this point, within the unit, there is a difference between Little Pine Island Bayou and its floodplain and that of Pine Island Bayou. The latter occupies an obviously more recent surface, but the greatest reason for the difference is that Pine Island Bayou drainage is from the calcareous clay of the Beaumont Formation surface while drainage into Little Pine Island Bayou is from the acidic sands of the Montgomery surface. However, Little P.I.B. probably cuts into Beaumont surface within the unit.

Fingerings of Montgomery sands onto the Beaumont clay and incursions of the Beaumont into the erosion depressions of the Montgomery complicate the lower unit and make classification of the over-all area into a definite vegetational association virtually impossible.

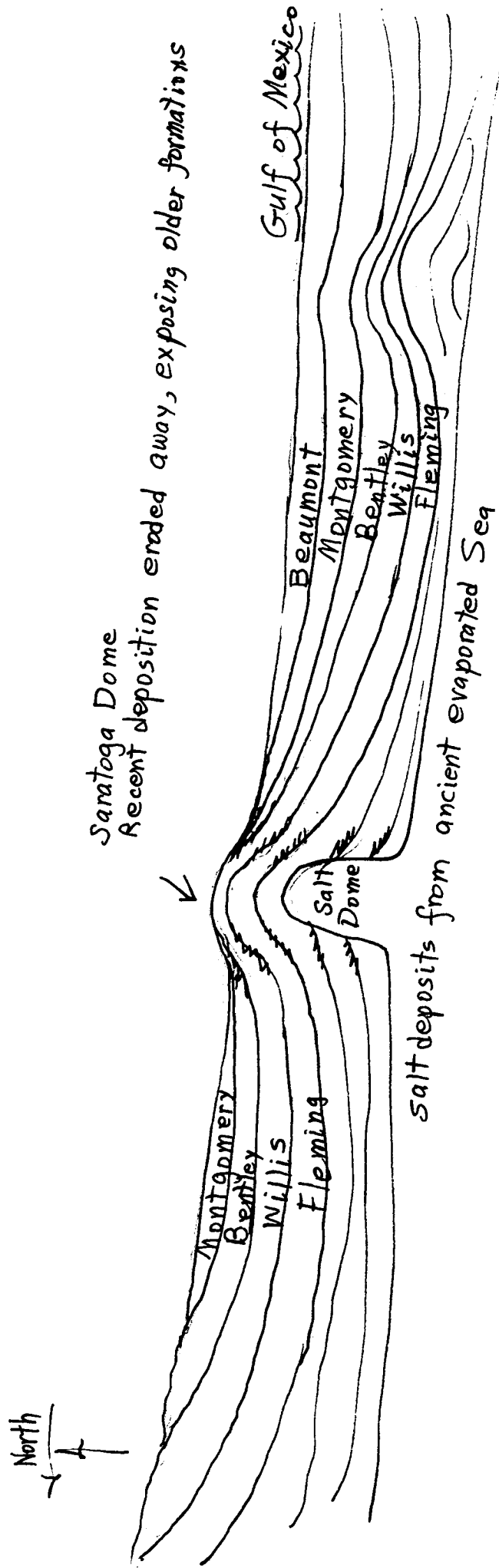
Due to its history as a series of floodplain terraces, the lower half of the Rosier unit will contain the same species of vegetation as the Jack Gore Baygall Unit. The upper portion will, of course, contain more of the Longleaf Pine- Bluestem Range Members.

There is a question as to whether some savannahs in the Rosier Unit should be classed as savannahs or prairies. Heavy grazing makes determination by vegetation difficult, although in partially forested areas around Saratoga there are pimple mounds and some exclusively prairie species such as *Parthenium hysterophorus* and *Eustoma exaltatum*. Local residents say one could stand at Saratoga (which is on a salt dome) and look across Pine Island Bayou and Little P.I.B. to Batson, also on a salt dome - that there were only palmetto flats and prairie. Soil tests determining pH could help as savannahs are acidic and prairies are calcareous.

Fire was the dominant factor in segregating the Traditional Thicket from savannah and prairie, both of which are pyric sub-climax associations. According to aged residents, fire chose a definite pattern and never reached some areas, thus permitting non-pyric Loblolly Pine- Hardwood forests to exist.

I cannot stress strongly enough the importance of firing this unit and letting the fire itself determine its own boundaries (within the unit, of course). This is the only way the diversity, for which this area is noted, can be restored and preserved.

Due to human habitation in the past, some cultivated species have become naturalized. *Citrus trifolius*, used as root stock for Kumquat and satsuma oranges, has become somewhat naturalized. There is also a gardenia shrub which has reached enormous proportions - about 8' - 10' tall and 16' - 18' in diameter. *Mimosa* and *Chinaberry* are also found.



Highly generalized cross section showing influence of salt dome on topography in the Lance Rosier Unit. Batson and Sour Lake are also on salt dome

Scientific Name	Common Name	Family	Relative Abundance	Zone
Albizia julibrissin	Mimosa	Leguminosae	----	G*
Acer rubrum, var. rubrum	Red maple	Aceraceae	xxxx	4
A. rubrum, var. drummondii	Trident red maple	"	xxx	
Betula nigra	River birch	Corylaceae	x	4
Bumelia lanuginosa	Wolly buckthorn	Sapotaceae	--	3a
Carpinus caroliniana	Ironwood	Corylaceae	xxxx	4
Carya aquatica	Water hickory	Juglandaceae	xxx	4
C. leiodermis	Swamp "	"	---	4
C. ovata	Shagbark "	"	---	3
C. texana	Black "	"	---	3a
C. tomentosa	Mockernut "	"	---	3
Castanea alnifolia	Chinkapin	Fagaceae	--	1,3
Catalpa speciosa	Catawba tree	Bignoniaceae	---	3,4
Celtis laevigata	Hackberry	Ulmaceae	xxx	3,4
Cercis canadensis	Redbud	Leguminosae	---	3
Chionanthus virginica	Fringe tree	Oleaceae	x	1,3
Cornus florida	Flowering dogwood	Cornaceae	xx	1,3
C. foemina	Ozier	"	xxx	4
Crataegus brachyacantha	Blueberry hawthorn	Rosaceae	---	4
C. marshallii	Parsley "	"	x	1,3
C. opaca	Mayhaw	"	---	4
C. spathulata	Little hip "	"	xxx	3,4
C. viridis	Green "	"	xx	3,4

Scientific Name	Common Name	Family	Relative Abundance	Zone
Diospyros virginiana	Persimmon	Ebenaceae	XX	2,4
Fagus grandifolia	American beech	Fagaceae	---	3
Fraxinus americana	White ash	Oleaceae	X	3,4
F. caroliniana	Water "	"	XXX	4
F. pennsylvanica	Red "	"	X	4
Gleditsia aquatica	Water locust	Leguminosae	XX	4
G. triacanthos	Common honeylocust	"	X	4
Halesia diptera	Silver bell	Styracaceae	X	3,4
Ilex opaca	American holly	Aquifoliaceae		G* 4
Juglans nigra	Black walnut	Juglandaceae	---	3
Juniperus virginiana	Eastern red cedar	Pinaceae	---	3
Lagerstroemia indica	Crepe myrtle	Lythraceae	---	Escape
Liquidambar styraciflua	Sweetgum	Hamamelidaceae	XXX	G* 4
Maclura pomifera	Boi d'arc, Osage orange	Moraceae	Possible	
Magnolia grandiflora	Southern magnolia	Magnoliaceae	X	3
M. virginiana	Sweet bay	"	XXX	2a,4
Melia azedarach	China berry	Meliaceae	Escape	
Morus rubra	Red mulberry	Moraceae	XX	3,4

Scientific Name	Common Name	Family	Relative Abundance	Zone
Nyssa aquatica	Water tubelo	Nyssaceae	xxx	4
N. sylvatica	Black gum	"	xxx	G* 4, 2a
N. sylvatica, Var. biflora	Swamp blackgum	"	x	
Ostrya virginiana	Hop hornbeam	Corylaceae	xxx	3, 4
Persea borbonia	Red bay	Lauraceae	xxx	G*
Pinus echinata	Shortleaf pine	Pinaceae	---	1, 3
P. elliotii	Slash	"	Introduced	
P. palustris	Longleaf	"	---	1
P. taeda	Loblolly	"	xxx	G*
Planera aquatica	Waterelm	Ulmaceae	xxx	4
Platanus occidentalis	Sycamore	Platanaceae	--	4
Populus deltoides	Eastern cottonwood	Salicaceae	---	4
Prunus caroliniana	Caroliniana laurel cherry	Rosaceae	x	3 G*
P. serotina	Black cherry	"	xxx	G* 1, 3a
P. umbellata	Plum	"	---	
For Quercus see back of this page				
Salix interior	Sandbar willow	Salicaceae	xx	4
S. nigra	Black willow	"	--	G*
Sassafras albidum	Common sassafras	Lauraceae	xxx	G*
Styrax americana	Snow drop	Styracaceae	xx	3, 4
Taxodium distichum	Bald cypress	Pinaceae	x	4

Scientific Name	Common Name	Family	Relative Abundance	Zone
<i>Tilia</i> spp.	Bass wood	Tiliaceae	---	3
<i>Ulmus alata</i>	Winged elm	Ulmaceae	xx	G
<i>U. americana</i>	American "	"	x	3,4
<i>U. crassifolia</i>	Cedar "	"	---	4
<i>Xanthoxylum clava-herculis</i>	Prickley ash	Rutaceae	---	3
SHRUBS				
<i>Amorpha fruticosa</i>	Lead plant	Leguminosae	--	4
<i>Aralia spinosa</i>	Devils walking stick	Araliaceae	--	3
<i>Asimina parviflora</i>	Dwarf pawpaw	Anonaceae	x	1,3a
<i>Baccharis halimifolia</i>	Eastern baccharis	Compositae	x	G*
<i>B. salicina</i>	Willow "	"	-	G*
<i>Callicarpa americana</i>	Beauty berry	Verbenaceae	xxxx	G*
<i>Ceanothus americanus</i>	New Jersey tea	Rhamnaceae	-	1
<i>Cephalanthus occidentalis</i>	Button bush	Rubiaceae	x	4
<i>Citrus trifoliatum</i>	Bitter orange	Escape Rutaceae	---	Escape
<i>Cyrilla racemiflora</i>	Black titi	Cyrtillaceae	xxx	3,4,2a
<i>Forestiera acuminata</i>	Swamp privet	Oleaceae	x	4

Scientific Name	Common Name	Family	Relative Abundance	Zone
<i>Hamamelis virginiana</i>	Common witch hazel	Hamamelidaceae	xxx	3
<i>Hibiscus leucophyllus</i>	White hibiscus	Malvaceae	---	2
<i>H. lasiocarpus</i>	"	"	---	2
<i>H. militaris</i>	Halberd leaved "	"	---	4
<i>Ilex coriacea</i>	Gall berry holly	Aquifoliaceae	xxx	2, 4
<i>I. decidua</i>	Deciduous "	"	xxxx	4
<i>I. vomitoria</i>	Yaupon "	"	xxxx	G*
<i>Indigofera suffruticosa</i>	Anil indigo	Leguminosae	---	3a
<i>Itea virginica</i>	Sweet spire	Saxifragaceae	---	4
<i>Lyonia mariana</i>	Stagger bush	Ericaceae	---	2
<i>Myrica cerifera</i>	Bayberry, wax myrtle	Myricaceae	xxxx	1, G*
<i>M. heterophylla</i>	Large-leaved "	"	---	2,
<i>Phytolacca americana</i>	Pokeberry	Phytolaccaceae	--	G*
<i>Pyrus arbutifolia</i>	Red chokeberry	Rosaceae	---	2
<i>Rhamnus caroliniana</i>	Carolina buckthorn	Rhamnaceae	xx	3
<i>Rhododendron canescens</i>	Pink azalea	Ericaceae	---	3, 2a
<i>R. oblongifolium</i>	White "	"	---	3, 2
<i>Rhus copallina</i>	Flame leaf sumac	Anacardiaceae	xx	G*
<i>R. vernix</i>	Poison sumac	"	---	2a
<i>Rubus louisianus</i>	Blackberry	Rosaceae	xxxx	G*
<i>R. trivialis</i>	Southern dewberry	"	x	G*

Scientific Name	Common name	Family	Relative Abundance	Zone
Sabal minor	Dwarf palmetto	Palmaceae	xxxx	4
Sambucus canadensis	Elderberry	Caprifoliaceae	x	3,4
Sebastiania fruticosa	Sebastian bush	Euphorbiaceae	x	4
Sebania drummondii	Rattlebox	Leguminosae	-	4 G*
S. macrocarpa	Coffee bean	"	-	4 G*
S. vesicaria	Bagpod	"	-	4 G*
Synlocus tinctoria	Sweet leaf, horse sugar	Symplocaceae	xx	3
Vaccinium arkansanum	Arkansas blueberry	Ericaceae	---	2a
V. arboreum	Tree huckleberry	"	xxx	G*, 1
V. corymbosum	Highbush "	"	xx	3, 2a
V. elliptici	Elliotts "	"	---	3, 4
V. stamineum	Deer berry	"	x	1
Viburnum dentatum	Arrow wood	Caprifoliaceae	xxx	4, 3
V. nitidum	Shiny viburnum	"	---	2a
V. nudum	Possum haw "	"	---	2a
V. rufidulum	Blackhaw "	"	---	1,
VINES				
Ampelopsis arborea	Pepper vine	Vitaceae	xxx	G*
Berchemia scandens	Rattan	Rhamnaceae	xxx	G* 4
Bignonia capriolata	Cross vine	Bignoniaceae	x	4

Scientific Name	Common Name	Family	Relative Abundance	Zone
<i>Brunnichia cirrhosa</i>	Buckwheat vine	Polygonaceae	XXXX	4
<i>Campsis radicans</i>	Trumpet vine	Bignoniaceae	XX	3,4
<i>Clematis crispa</i>	Curly clematis	Ranunculaceae	---	3,4
<i>C. viornia</i>	Leather flower	"	---	3a
<i>Cocculus carolinus</i>	Red-berried moonseed	Menispermaceae	X	4
<i>Cuscuta</i> spp.	Dodder	Convolvulaceae	X	4
<i>Dioscorea villosa</i>	Atlantic yam	Dioscoreaceae	--	3,4
<i>Galactia</i> spp.	Milk pea	Leguminosae	XX	G*
<i>Gelsemium sempervirens</i>	Carolina jessamine	Loganiaceae	X	1,3
<i>Ipomoea hederacea</i>	Ivy leaf bindweed	Convolvulaceae	X	G*
<i>I. lacunosa</i>	White morning glory	"	---	4
<i>I. pandurata</i>	Man-of-the-earth	"	---	1
<i>I. sagittata</i>	Salt marsh morning glory	"	---	4
<i>Jacquemontia tamnifolia</i>	Cluster vine	"	--	G*
<i>Lonicera japonica</i>	Japanese honeysuckle	Caprifoliaceae	XXX	G*
<i>L. sempervirens</i>	Coral	"	---	3
<i>Matelia gonocarpa</i>	Milkvine	Asclepiadaceae	---	3,4
<i>Melothria pendula</i>	Drooping melonette	Cucurbitaceae	XX	4
<i>Mikania scandens</i>	Climbing hemp vine	Compositae	XXXX	4

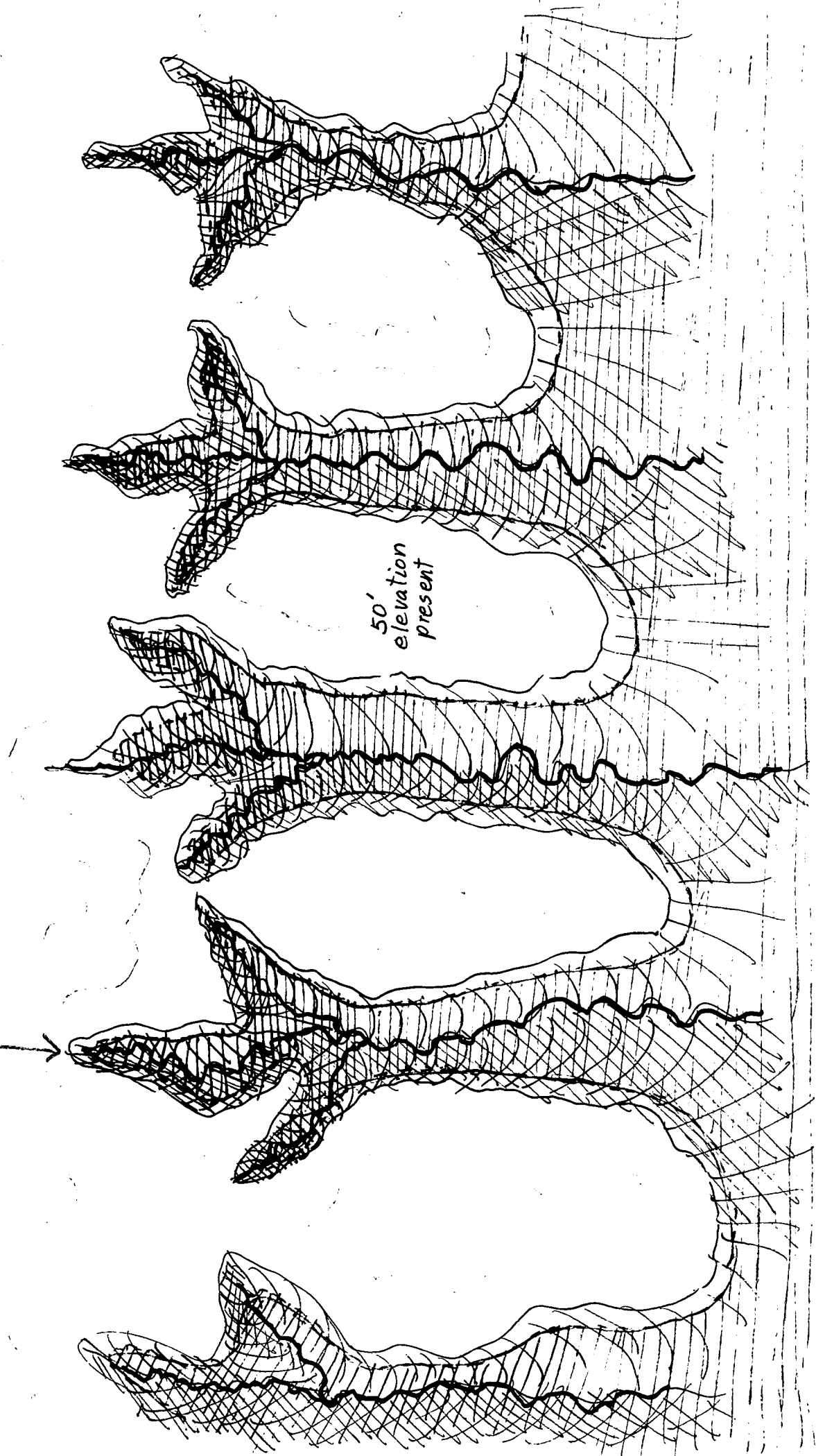
Scientific Name	Common Name	Family	Relative Abundance	Zone
Parthenocissus quinquefolia	Virginia Creeper	Vitaceae	xxx	G*
Passiflora incarnata	Passion flower	Passifloraceae	---	4
P. lutea	Small yellow "	"	-	1,3
Rhus toxicodendron, Var. toxicodendron	Poison oak	Anacardiaceae	xxx	1
R. toxicodendron, Var. vulgaris	Poison ivy	"	xxxx	3,4
Smilax bona-nox	China brier	Liliaceae	---	3,4
S. glauca	Glaucus greenbrier	"	x	G*
S. hispida	Saw brier	"	x	G*
S. laurifolia	Baygall "	"	xx	2a
S. pumila	Sarsaparillavine	"	x	2,3
S. rotundifolia	Bull brier, Indian bread	"	xxx	G*
S. walteri	Red bead greenbrier	"	---	2a
Strophostyles helvola	Trailing ground bean	Leguminosae	x	4
S. umbellata	Perennial "	"	x	1,3
Trachelospermum difforme	Climbing dogbane	Apocynaceae	xx	4
Vicia spp.	Vetch	Leguminosae	x	G*
Wisteria macrostachya	Kentucky wisteria	"	xx	4

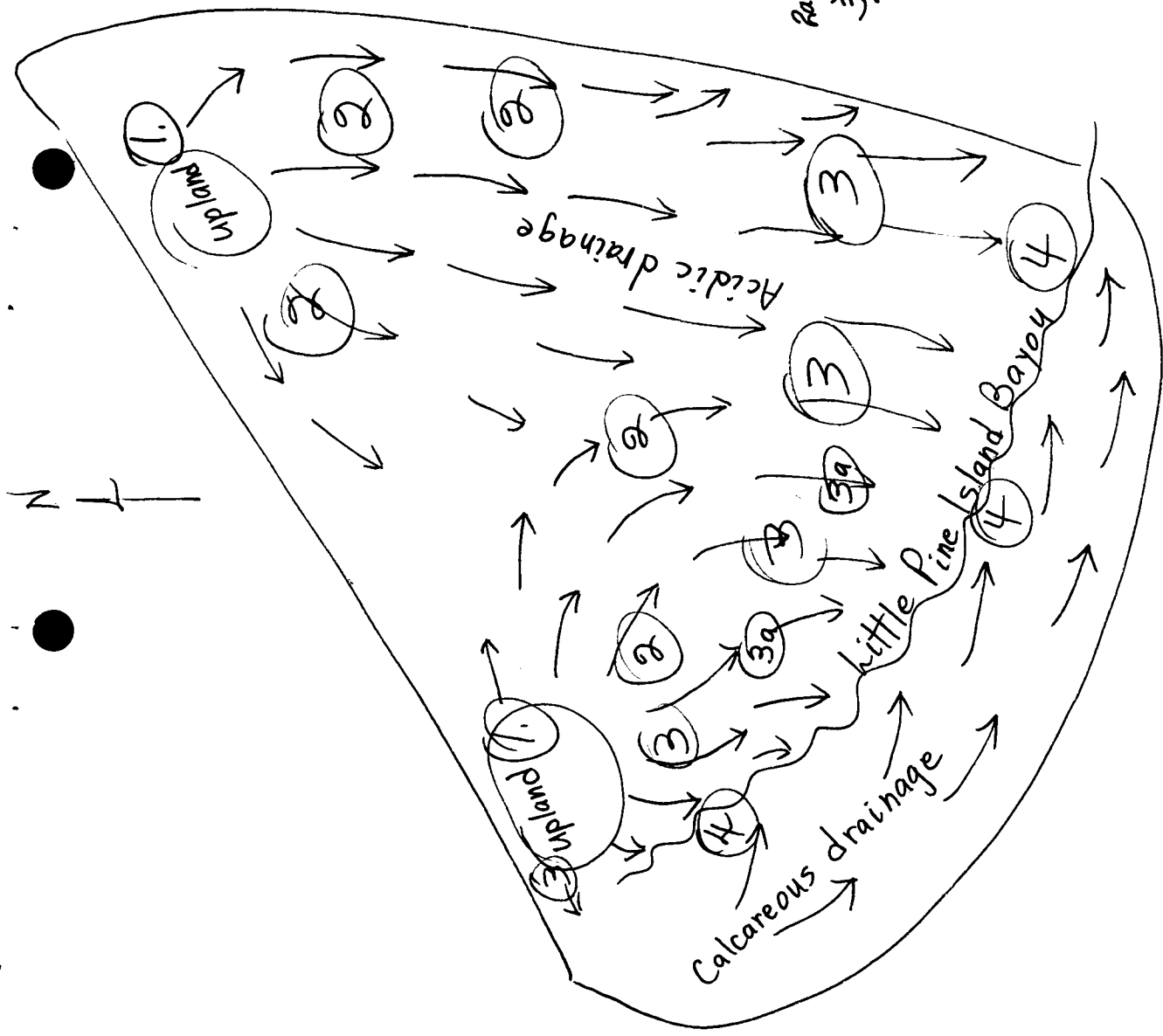
History of Structure of Beaumont and Montgomery Formations in Rosier Unit

Drainage patterns of erosional valleys at

Southern edge of Montgomery Exposure 38,000 ybp (±)

Holocene deposition of Calcareous silt by Trinity River (10,000 ybp (+/-) to present.)





1. Longleaf Pine Uplands
2. Pine Savannah Wetlands
- 2a. Pine Savannah with shrubs of Baygall
3. Slope forests + possible sand deposits
- 3a. Slope forests + possible sand deposits
4. Flood plain. Upper Terraces
5. General
- *. General - pioneer

Vegetational Zones in Rosier Unit (Generalized)

COMMENTS

Due to interfingerings of calcareous clay surfaces and acidic sandy surfaces, some prairie species are found in openings such as pipeline and roadway, on the western part of the unit:

Eryngium hookeri Found immediately adjacent to unit
Euphorbia bicolor
Eustoma exaltatum Found immediately adjacent to unit
Lantana horrida Exists on adjacent coastal prairie but possibly an escape from cultivation.

Persicaria vulgaris Found immediately adjacent to unit

Ratibida columnaris

Xanthocephalum texanum

Parthenium hysterophorus

Caperonia palustris

Cardiospermum halicacabum

Malvaviscus arboreus, Var. *Drummondii* Possible escape

Prairie species may survive and increase on these manmade openings or on fire-maintained surfaces if herbicides are banned.

Exposed sand surfaces of old stream levee deposits had xerophytes about five years ago but I could not locate them this year. Fire suppression could be a factor. These and other xerophytes could be found in other sites in this unit.

Opuntia compressa

Opuntia stricta, Var. *dillenii*

Thelesperma flavodiscum

Silene subciliata

Palafoxia reverchonii

Possibly the only known sites in Texas for the following plants is in the savannahs immediately adjacent to and a part of that in the Rosier unit. (Real estate and lumbering operations threaten them.)

Asclepias lanceolata (Only two plants known)

Hibiscus aculeatus (Only one individual)

Oxypolis ternata (Possibly fifty individuals)

Sabatia campanulata (" " ")

Stylisma aquatica (" many ")

Asclepias lanceolata (Two known individuals)

Nymphia odorata and *Nymphoides* occur in the Rosier Unit only in the ephemeral flatwoods pond.

Dioscorea villosa was once plentiful in openings. None found.

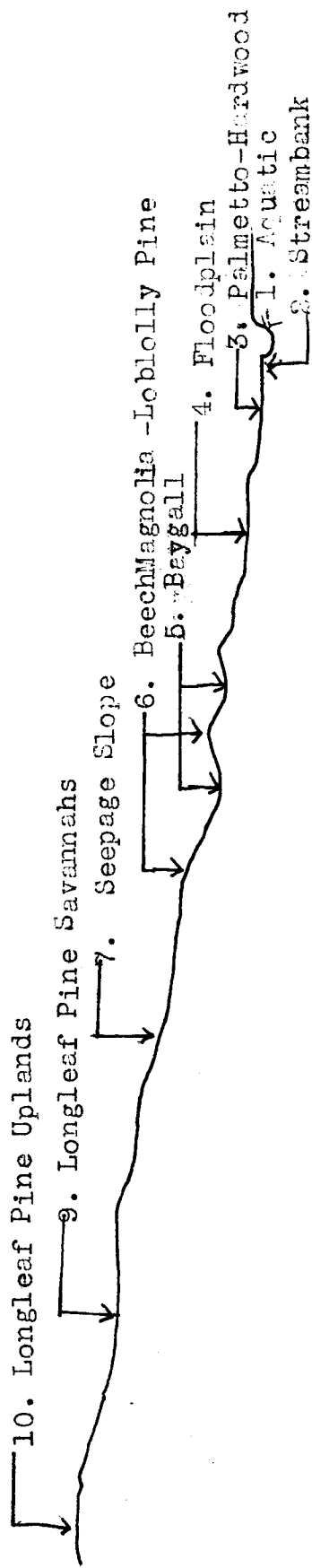
Lupine subcarnosus occurs on the sand knoll on which the Teal cemetery is located. It is probably introduced here.

Psilotum nudum (one individual) was found about 15 years ago in an acid bog near the Teal place but oil operations changed the area and the plant is no longer there. It is possibly in another site.

Gardenia jasminoides: a large specimen is in a baygall on the N. side.

Sarracenia alata was introduced in the savannah several years ago. and is multiplying. Its influence on *Habenaria Nivea* should be watched very closely.

Vegetational Zones in the Lance Rosier Unit
of the Big Thicket National Preserve



G. General

D. Disturbed areas

6. Opportunist Moves into any area protected from fire and where there is sufficient light.

E. Escaped cultivation

Vegetation of the Lanes Mosier Unit

Scientific Name	Common Name	Family	zone	Population Density
<i>Abutilon theophrasti</i>	Chingua	Malvaceae	II	---
<i>Acelypha gracilis</i>	Slender three-seed morning	Euphorbiaceae	G	x
<i>A. rhomboides</i>	"	"	G	x
<i>A. virginica</i>	Virginia "	"	G	-
<i>Acer rubrum</i> , Var. <i>rubrum</i>	Red maple	aceraceae	3,4 O	xxx
<i>A. rubrum</i> , Var. <i>drummondii</i>	Trident red maple	"	2,3,4	xx
<i>Aeschynomene indica</i>	Joint vetch	Leguminosae	2	---
↓ <i>Agalinis</i>				
<i>Agrimonia microcarpa</i>	Slender groovebur	Rosaceae	6,10	-
<i>Agrostis</i>		Gramineae		
<i>Albizia julibrissin</i>	Mimosa	Leguminosae	E	---
<i>Alotris aurea</i>	Calic root	Liliaceae	7,9	x
<i>Allium canadense</i>	Mild onion	Liliaceae	9,10	x
<i>Alopecurus</i>		Gramineae		
<i>Alternanthera philoxeroides</i>	Alligator weed	Amaranthaceae	6,8	xx
<i>Amaranthus spinosus</i>	Spiny pigweed	"	GD	x
<i>A. viridis</i>	Green amaranthus	"	GD	---
<i>Ambrosia artemisiifolia</i>	Common ragweed	Compositae	9,10,11	xxx
<i>A. trifida</i>	Giant "	"	2,D	x
<i>Amaria auriculata</i>	Earleaf artemisia	Lythraceae	2,3,4	---
<i>A. coccinea</i>	Purple "	"	2,3,4	x
<i>Anorpha fruticosa</i>	Indigo bush	Leguminosae	2	-
<i>Angelica arborescens</i>	Peppervine	Umbelliferae	2,3,4 D	xxx
<i>Agalinis fasciculata</i>	Bushy Gerardia	Scrophulariaceae	4,6,9,10	-
<i>A. oligophylla</i>	Scale-leaf "	"	4,7,9	-
<i>A. purpurea</i>	Purple "	"	4,6,7,10	-
<i>A. viridis</i>	Green o "	"	9	---
<i>Aureolaria</i> spp.	False Foxglove	"	4,6	---

Scientific Name	Common Name	Family	Zone	Population Density
Anagallis arvensis	Scarlet pimpernel	Primulaceae	G	--
Andropogon		Gramineae		
Anthracanantia		Gramineae		
Apteria aphylla	Nodding nixie	Burmanniaceae	5	---
Aralia spinosa	Devils walking stick	Araliaceae	6	x
Arisaema dracontium	Green dragon	Araceae	4	---
A. triphyllum	Jack-in-the-pulpit	"	5	---
A. quinquefolia	Five-leaved "	"	6	---
Aristida		Gramineae		
Aristolochia reticulata	Virginia snakeroot	Aristolochiaceae	10	--
A. serpentaria	Snakeroot	"	4	--
A. s. Var. hastata	Wash dutchmans pipe	"	G	---
Arundinaria gigantea	Switch cane	Gramineae	4	x
Asclepias emplexaulis	Bluntleaf milkweed	Asclepiadaceae	10	---
A. lanceolata	Lanceleaf "	"	* 9	---
A. longifolia	Longleaf "	"	9	---
A. covata	Yellow "	"	9	---
A. perennis	Shore "	"	2,3,4	xx
A. tuberosa	Butterfly "	"	10	x
A. variegata	White "	"	6	---
A. verticillata	Whorled "	"	9	x
Ascyrum hypericoides	St. Andrews Cross	Hypericaceae	G	xx
A. stems	St. Peterswort	"	G	xx
Asimina parviflora	Paypaw	Annonaceae	10	x
Asplenium platyneuron	Ebony spleenwort fern	Polypodiaceae	6	---
Aureolaria sp. s.	False foxglove	Scrophulariaceae	6,10,4	---

Population
Density

Scientific Name	Common Name	Family	Zone	Population Density
Aster ericoides	Heath aster	Compositae	G 2, 4	xxx
A. lateriflorus	Calico "	"	G 2, 4	xxx
A. patens	Skydrop "	"	10	--
A. pratensis	Meadow "	"	10	--
A. tenuifolius	Saline "	"	2, 4	xxx
Athyrium filix-femina	Lady fern	Polypodiaceae	5	x
Axonopus		Gramineae		
Azalea canescens	Pink azalea (Piedmont)	Ericaceae	5, 6	--
A. oblongifolium	White "	"	9, 5	xx
Azolla caroliniana	Monquito fern	Salviniaceae	1	---
Baccharis halimifolia	Eastern baccharis	Compositae	GD	xxx
B. salicina	Willow "	"	GD	x
Bacopa caroliniana	Water hyssop	Scrophulariaceae	1, 2	xx
B. monnieri	Coastal "	"	2, 3	---
Berchemia scandens	Rattan vine	Rhamnaceae	4 GD	xxx
Berlandiera betonicifolia	Green eyes	Compositae	10	---
Betula nigra	River birch	Betulaceae	2	xxx
Bidens bipinnata	Spanish needles	Compositae	9, 10 D	xx
B. frondosa	Devils beggarticks	"	4	x
Bigelovia virgata	Bigelovia	Compositae	9	---
Bignonia capreolata	Cross vine	Bignoniaceae	4 G	xxx

Scientific Name	Common Name	Family	Zone	Population Density
<i>Boehmeria cylindrica</i>	Bog hemp	Urticaceae	2,5	x
<i>Boltonia asteroides</i>	White boltonia	Compositae	G	xx
<i>Botrychium dissectum</i>	Cut grape leaf fern	Ophioglossaceae	4,6	---
<i>Brasenia schreberi</i>	Water shield	Nymphaeaceae	1	----
<i>Briza minor</i>	Little quaking grass	Gramineae	3,D	-
<i>Brunnichia cirrhosa</i>	Buckwheat vine	Polygonaceae	2,4,3	xx
<i>Buchnera americana</i>	Bluehearts	Scrophulariaceae	9,10	---
<i>Bulbostylis</i>		Cyperaceae		
<i>Burmannia biflora</i>	Two-flower burmannia	Burmanniaceae	5	----
<i>Cacalia lanceolata</i>	Lanceleaf indianplantain	Compositae	9	x
<i>C. plantaginea</i>	Groovestem "	"	9	--
<i>Callicarpa americana</i>	Beauty berry	Verbenaceae	G D	xxxx
<i>Callirhoe papaver</i>	Wine cup	Malvaceae	10	---
<i>Callitriche heterophylla</i>	Water starwort	Callitricheaceae	1,2,4	-
<i>Calopogon pulchellus</i>	Grass pink orchid	Orchidaceae	9	----
<i>Calypocarpus vialis</i>	Lawn flower	Compositae	3,4	---
<i>Campsis radicans</i>	Trumpet vine	Bignoniaceae	2,3,4	xxx
<i>Caperonia palustris</i>	Marsh caperonia	Euphorbiaceae	2,4 *	---

Population
Density

Zone

Family

Common Name

Scientific Name

Cardamine bulbosa	Spring bittercress	Cruciferae	6	---
C. parviflora	Sand "	"	4, 5	---
C. pennsylvanica	Pennsylvanica "	"	4, 5	---
Cardiospermum halicacabum	Balloenvine	Sapindaceae	* 2, 4	---
Carex		Cyperaceae		
Carolinus caroliniana	Ironwood	Corylaceae	4	xxx x
Carya aquatica	Water hickory	Juglandaceae	3, 4	xxx
C. ovata	Shagbark "	"	4	---
C. texana	Black "	"	10	---
C. tomentosa	Mockernut "	"	G	x
C. illinoensis	Peen	"	E	---
Cassia fasciculata	Partridge pea	Leguminosae	10	xx
C. berlandierae	Wild senna	"	D	---
C. nictitans	Small partridge pea	"	10	---
C. obtusifolia	Sicklepod senna	"	D	---
C. occidentalis	Coffee senna	"	D	---
Castanea pumila	Chinkapin	Fagaceae	6, 10	x
Catalpa speciosa	Catawba tree	Bignoniaceae	2	---
Ceanothus americanus	New Jersey tea	Hamamelidaceae	10	-
Celtis laevigata	Hackberry	Ulmaceae	3, 4	xx
Centaurium pulchellum	Small centaury	Gentianaceae	D	---
Centella asiatica	Spade leaf	Umbelliferae	2, 3, 4, 5, 9	xxx
Ceanothus		Grainineae		

Scientific Name	Common Name	Family	Zone	Population Density
<i>Centrosema virginianum</i>	Butterfly pea	Leguminosae	10	-
<i>Centunculus minimus</i>	Chaffweed	Primulaceae	4	--
<i>Geobalanthus occidentalis</i>	Buttonbush	Rubiacae	2,3	xxx
<i>Cerastium glomeratum</i>	Cickweed	Caryophyllaceae	G D	xx
<i>C. vulgatum</i>	Common chickweed	"	G D	xx
<i>Cercis canadensis</i>	Redbud	Leguminosae	6	---
<i>Chaerophyllum talictorieri</i>	Chervil	Umbelliferae	G D	xx
<i>Chaptalia tomentosa</i>	Sunbonnets	Compositae	9	---
<i>Chenopodium ambrosioides</i>	Lamseed	Chenopodiaceae	2 DG	x
<i>Chionanthus virginica</i>	Fringe tree	Clavaceae	6,10	-
<i>Cirsium horridulum</i>	Bull thistle	Compositae	G D	x
<i>Citrus trifoliatum</i>	Bitter orange	Rutaceae	E	--
<i>Clematis crispa</i>	Curly clematis	Ranunculaceae	4	xxx
<i>C. pitcheri</i>	Pitcher "	"	2,4	-
<i>C. reticulata</i>	Nettleaf "	"	10	---
<i>Cleome hassleriana</i>	Beebalm	Capparidaceae	4	---
<i>Clitoria maritima</i>	Pidgeon wings	Leguminosae	10	-
<i>Caloscolus tenuis</i>	Bull nettle	Euphorbiaceae	10	--
<i>Cocculus carolinus</i>	Red-berried moonseed	Menispermaceae	4	x

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<i>Asclepias</i>		Gemineae		
<i>Commelina erecta</i>	Erect dayflower	Commelinaceae	G	xxx
<i>C. virginica</i>	Virginia "	"	2,3,4	-
<i>Conium maculatum</i>	Spotted cowbane	Umbelliferae	9	---
<i>Convolvulus arvensis</i>	Field bindweed	Convolvulaceae	G D	x
<i>Conyza canadensis</i>	Horsetail conyza	Compositae	10	xxx
<i>Corallorhiza visteriana</i>	Spring coral root orchid	Orchidaceae	6	---
<i>Coreopsis</i>		Compositae		
<i>Cornus florida</i>	Flowering dogwood	Cornaceae	6,10	x
<i>C. foemina</i>	Ozier "	"	3,4	xx
<i>Crataegus brachyacantha</i>	Blueberry hawthorn	Rosaceae	4	---
<i>C. marshallii</i>	Parsley "	"	G D	x
<i>C. opaca</i>	Mayhaw "	"	2,3,4	x
<i>C. spathulata</i>	Littl chip "	"	G	xxx
<i>C. viridis</i>	Green "	"	2,3,4	xx
<i>Crepis pulchra</i>	Hawksbeard	Compositae	D	--
<i>Croptilon divaricatus</i>	Scratch daisy	Compositae	10	-
<i>Crotalaria sagittalis</i>	Rattlepod	Leguminosae	10-D	--
<i>Croton argyranthemus</i>	Silver croton	Euphorbiaceae	4	---
<i>C. capitatus</i>	Doveweed "	"	G D	xx
<i>C. glandulosus</i>	tropic "	"	10	x
<i>C. humilis</i>	low "	"	G	---
<i>C. nonanthogynus</i>	Prairie tea	"	G	---

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<i>Crotonopsis elliptica</i>	Rushfoil	Euphorbiaceae	10	---
<i>Curcubita</i> spp.	Bottle gourd	Cucurbitaceae	E	---
<i>Cuphea carthagenensis</i>	Waxweed	Lythraceae	5,6	x
<i>Cynoctonum mitreola</i> <i>C. sessilifolium</i>	Lax hornpod Wand "	Loganiaceae	2,3,4 9	-
<i>Cynoscium digitatum</i>	Dogshade	Umbelliferae	4	-
<i>Cyrilla racemiflora</i>	Tititi	Cyrillaceae	5,7	xxx
<i>Cynodon</i>	Burmuda grass	Gramineae		
<i>Dactylis</i>		Gramineae		
<i>Daucus pusillus</i>	Wild carrot	Umbelliferae	D	--
<i>Delphinium carolinanum</i>	Larkspur	Ranunculaceae	10	---
<i>Desmodium</i> spp.	Beggar ticks	Compositae		
<i>Dichanthelium</i>		Gramineae		
<i>Dichondra carolinensis</i>	Pony foot	Umbelliferae	G	xxx
<i>Dichromena</i>		Cyperaceae		
<i>Digitaria</i>		Gramineae		

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Picidia terreos D. virginianum	Rough buttonweed Buttonweed	Rubiaceae "	10 3,4 D	xxx xxx
Dioscorea villosa	/ Atlantic yam	Dioscoreaceae	* 6	----
Diospyros virginiana	Persimmon	Ebenaceae	4 O	x
Doellingeria umbellata	Squaw weed	Compositae	6	----
Prosera annua	Sundew	Droseraceae	9,7	x
Duchesnea indica	False strawberry	Rosaceae	4 D	xxx
Hellinacea purpurea	Purple coneflower	Compositae	10	--
Echinochloa		Gramineae		
Belamcanda alba	Verba de tajo	Compositae	2,3,4	x
Richardia crassifolia	Later hyacinth	Pontederiaceae	1	----
Eleocharis		Cyperaceae		
Elephantopus carolinianus E. tomentosus	Leafy elephants foot " "	Compositae "	G G	xxx xxx
Eleusine		Gramineae		
Elymus		Gramineae		
Epifagus virginiana	Beech drops	Orobanchaceae	6	----
Eragrostis		Gramineae		

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Erechtites hieracifolia	Burnweed	Compositae	G D	x
Erianthus		Gramineae		
Erigeron annuus	Annual fleabane	Compositae	18, 10	x
E. strigosus	Prairie "	"	4	--
E. philadelphicus	Philadelphia "	"		--
Eriogonum compressum	Pipewort	Compositae	5, 7, 9	x
E. decangulare	10-angle pipewort	"	5, 7, 9	x
E. texensis	Small "	"	5, 7, 9	--
Eriogonum longifolium	Longleaf wild buckwheat	Polygonaceae	10	--
Eryngium hookeri	Hookers crysals	Umbelliferae	4	*
E. integrifolia	Simple leaf "	"	10	xx
E. prostratum	Prostrate "	"	5, 7, 9	xx
E. yuccifolium	Button snakeroot	"	7, 9, 10	--
Erythrina herbacea	Coral bean	Leguminosae	10	--
Eucalyptus americana	Strawberry bush	Celastraceae	6	--
Eupatorium capillifolium	Dog fennel	Compositae	G D	xxxx
E. coelestinum	Blue mist flower	"	4	xx
E. compositifolium	Yonkers weed	"	G D	xxx
E. inaequalis	Pink eupatorium	"	4, 6	--
E. leucolepis	Hoarsely "	"	4, 7, 9	xxx
E. perfoliatum	Boneset	"	5, 7	--
E. rugosum	White snakeroot	"	9, 10	x
E. serotinum	Lake eupatorium	"	3, 4	xx

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Euphorbia corollata	Flowering spurge	Euphorbiaceae	10	--
E. humistrata	Spreading euphorbia	"	4	--
E. maculata	Spotted	"	4	--
E. bicolor	Snow on the prairie	"	4	--
E. corollifolia	Heartleaf euphorbia	"	G D	x
E. prostrata	Prostrate	"	G D	x
E. serpens	Mat	"	G D	x
E. B.				
Eustoma exaltatum	Prairie bluebell	Gentianaceae	*	---
Euthamia leptocephala	Summer goldenrod	Compositae	10	xxx
F. pulcherrima	Prairie euphorbia	"	4	---
Fagus grandifolia	American beech	Fagaceae	6	---
Fimbristylis		Cyperaceae		
Forestiera acuminata	Swamp privet	Oleaceae	2	xx
Fraxinus americana	White ash	Oleaceae	4, 6	x
F. caroliniana	Water "	"	1, 2, 3	xxx
F. pennsylvanica	Red "	"	4, 6	x
Frelichia floridana	Snake cotton	Amaranthaceae	10	--
Fuirena		Cyperaceae		
Galactia procurei	Milk pea	Leguminosae	G	x
G. volubilis	Downy milk pea	"	G	x
Galium aparine	Catchweed bedstraw	Rubiaceae	G D	x
G. pilosum	Hairy	"	G D	x
G. tinctorium	Dye	"	5, 7	--
Gelsemium sempervirens	Yellow jessamine	Loganiaceae	10	xx
Gardenia jasminoides	Cape Jasmine	Rubiaceae	* 5	---

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<i>Veranum carolinianum</i>	Cornes bill	Geraniaceae	G D	x
<i>Gaura filiformis</i>	Ball gaura	Onagraceae	G D	xx
<i>G. lindheimeri</i>	White gaura		9	--
<i>G. parviflora</i>	Small flower gaura		4	--
<i>G. sanguinea</i>	Wavyleaf gaura		G D	xx
<i>Gladiolus aquatica</i>	Water locust	Leguminosae	2,3	--
<i>G. brisconianus</i>	Honey "		2,3	--
<i>Gliricidia pedunculata</i>	n.c.n.	Alzaceae	2,3,4	-
<i>Gnaphalium obtusifolium</i>	Erigeron canadense	Compositae	10	--
<i>G. purpureum</i>	Purple "		G D	xx
<i>G. canadense</i>	Rebbit tobacco		G D	xx
<i>Gratiola filosa</i>	Shaggy gratiola	Scrophulariaceae	7,9	--
<i>G. virginiana</i>	Virginia "		2,3,4	x
<i>Gnaphalium</i>		Gramineae		
<i>Habenaria ciliata</i>	Yellow fringe orchid	Orobanchaceae	5,7,9	---
<i>H. nivea</i>	White hog torch		9	---
<i>Halimolobos</i>	Two-winged silverbell	Styracaceae	4	x
<i>Hemodactylus virginiana</i>	Witch hazel	Ranunculaceae	6	xx
<i>Hedera helix</i>	n.c.n.	Rubiaceae	G D	x
<i>Hedera helix</i>	Bushy blueberry	Rubiaceae	2,3,4	--
<i>H. ciliata</i>	Small blueberry		10	--
<i>H. nivea</i>	Prairie "		9,10	x
<i>H. uniflora</i>	One-flower "		5,7,9	--
<i>Holcus lanatus</i>	Low aster	Compositae	9/10	---

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<i>Achillea millefolium</i>	Bitterweed	Compositae	G D	x
<i>H. drummondii</i>	Spring sunflower	"	7,9	---
<i>H. flexuosum</i>	Purplehead sneezeweed	"	7,9	---
<i>Helianthus carolinianum</i>	Carolina rockrose	Distaceae	10	---
<i>H. reserifolium</i>	Rosemarys	"	10	---
<i>Helianthus angustifolius</i>	Swamp sunflower	Compositae	10-G D	x
<i>H. mollis</i>	Fishy	"	9/10	---
<i>Heliotropium curassavicum</i>	Salt heliotrope	Borragiaceae	2,3,4	---
<i>H. indicum</i>	Turnsole	"	2,3,4	---
<i>Heterotheca graminifolia</i>	Silk grass	Compositae	10	xx
<i>H. mariana</i>	Goldstar aster	"	10	-
<i>Hibiscus leucophyllus</i>	White mallow	Malvaceae	7,9	-
<i>H. aculeatus</i>	Yellow	"	9	---
<i>Horaceum groenovia</i>	Hayweed	Compositae	10	x
<i>Hydrocotyle umbellata</i>	Pennywort	Umbelliferae	2,3,5,7	xxx
<i>H. verticillata</i>	Charley	"	2,3,5,7	xxx
<i>Hydrolea ovata</i>	Tairy hydrolea	Hydrophyllaceae	1,2,5	---
<i>H. uniflora</i>	Smooth	"	1,2,5	---
<i>Hydrocellis occidentalis</i>	Spider lily	Umbelliferae	1,2,3,	x
<i>Hydrocypripus artemisiifolius</i>	Old platanus	Compositae	10	x
<i>Hypericum drummondii</i>	Drummonds St. Johnswort	Hypericaceae	9,10	x
<i>H. fasciculatum</i>	St. Johnsbush	"	7,9	xxx
<i>H. corymbosum</i>	S. c. c.	"	6	---
<i>H. ciliatum</i>	Earl	"	2,3,4	xx
<i>H. petiolatum</i>	St. Johnswort	"	7,9	---

Reference Code	Common Name	Family	Zone	Population Density
Hyptis thuta	Common bush mint	Labiata	7,9	x
Hydrocotyle micrantha	Milliard hyacinth	Compositae	G D	--
Hyssopus hirsutus	Common goldstar grass	Graminaceae	10	--
H. rigidus	Fibrous	"	3,4	--
Ilam corollae	Colliberry holly	Ericaceae	5,7	xxxx
I. decidua	Waxhoney	"	3,4	xxxx
I. longipes	Georgia holly	"	6,10	---
I. coccineus	American holly	"	4	xxx
I. vomitoria	Yew	"	6	xxxx
Indigofera suffruticosa	Indigo bush	Leguminosae	*	
Ipomoea pandurata	Man-of-the-earth	Convolvulaceae	10	--
Itea virginica	Swamp sweetgum	Saxifragaceae	2,5	x
Iva angustifolia	Hypericifolia	Compositae	G D	xxx
I. sinuata	Succumbent	"	4	--
Jacquemontia tenuifolia	Early clustervine	Convolvulaceae	G D	--
Juglans nigra	Black walnut	Juglandaceae	6,4	---
Juncus		Juncaceae		
Justiparus virginiana	Eastern red cedar	Pinaceae	6	---
Justicia ovata	S.O.S.	Asteraceae	3,4	x
Lythrum oppositifolia	Weedy false dandelion	Compositae	G D	---
L. virginica	"	"	G D	---

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<i>Lactuca canadensis</i> L.	Wild lettuce	Compositae	GD	--
<i>Lactuca floridana</i>	Florida " "	"	GD	--
<i>Lagerstroemia indica</i>	Crape myrtle	Lythraceae	E	---
<i>Leonurus anglicus</i>	Men bit	Labiatae	GD	x
<i>Leontodon horrida</i>	Texas lantern	Veronicae	* E ²	---
<i>Leschenaultia suberna</i>	Barbarea chinensis	Cistaceae	10	x
<i>Leersia</i>		Gramineae	1	--
<i>Leucaena glauca</i>	Duckweed	Lemnaceae		--
<i>Leidum virginicum</i>	Pepper grass	Cauciflorae	GD	Xxx
<i>Leptochloa</i>		Gramineae		
<i>Leptalonis</i>		Gramineae		
<i>Lespedeza capitata</i>	Blackhead lespedeza	Leguminosae	10	---
<i>L. gracilis</i>	Trailing rose clover	"	GD	x
<i>L. stolonacea</i>	Korean " "	"	GD	x
<i>Liatris scariosa</i>	Early gayfeather	Compositae	7,9	x
<i>L. elegans</i>	White " "	"	10	--
<i>L. pycnostachya</i>	Shady " "	"	7,9	x
<i>Limonium plantaginifolium</i>	a.c.n.	Umbelliferae	GD	---
<i>Limonium canadensis</i>	Seedling	Scrophulariaceae	GD	---
<i>Mimodora angustifolia</i> L.	Clasping false pimpernel	Scrophulariaceae	GD	---
<i>Mimodora angustifolia</i> L.	Yellow seed " "	"	GD	---

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Liquidambar styraciflua	Sweetgum	Hamamelidaceae	4 O	xxxx
Listera australis	Twayblade orchid	Orchidaceae	6	---
Lithospermum carolinense	Puccoon	Boraginaceae	1b	---
Lobelia appendiculata	Earflower	Lobeliaceae	9	---
L. cardinalis	Cardinal flower	"	2, 3, 4	---
L. flaccidifolia	Weak-stem lobelia	"	7, 9	---
L. puberula	Hairy	"	7, 9	x
L. reverchoni	Reverchons	"	4, 7, 9	x
Lonicera japonica	Honeysuckle	Caprifoliaceae	E G	xx
L. sempervirens	Coral honeysuckle	"	4	---
Lorinseria areolata	Chainfern	Polypodiaceae	5	---
Ludwigia alternifolia	Bushy seedbox	Onagraceae	2, 4	x
L. decurrens	Wingleaf "	"	2, 4	x
L. glandulosa	Creeping "	"	2, 3, 4	x
L. hirtella	Spindleroot "	"	7, 9	---
L. linearis	Narrowleaf "	"	7, 9	x
L. octovalvis	Shrubby "	"	2, 4	x
L. palustris	Marsh "	"	1, 2	xx
L. peploides	Creeping water primrose	"	1, 2	---
L. pilosa	Hairy seedbox	"	1, 2, 4	xx
L. repens	Floating water primrose	"	1, 2	---
L. uruguayensis	Uruguay "	"	1, 2	---
Lupine subcarneus	Texas bluebonnet	Leguminosae	E?	---
Lycopodium adpressum	Club moss	Lycopodiaceae	7, 9	xxx
Lycopodium virginicus	Bugel weed	Labiatae	2, 3, 4	xx
Lygodium japonicum	Climbing fern	Schizaeaceae	6 D	x

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<i>Lyonia maritima</i>	Star-ryer bush	Ericaceae	5,7	---
<i>Prinoschima radicans</i>	Swamp loose strife	Primulaceae	3,4	---
<i>Lythrum lanceolata</i>	Purple loose strife	Lythraceae	7,9	-
<i>Salix viscosa</i> arborescens, Var. drummondii	Tuckers Dog willow	Salicaceae	*	---
<i>Hamamelis virginiana</i>	Southern winged "leaf" tree	Hamamelidaceae	6	X
<i>Hamamelis virginiana</i>	"	"	5,7	XX
<i>Hamamelis virginiana</i>	Barberry buttons	Compositae	7,9	---
<i>Hamamelis virginiana</i>	Hamamelis buttons	Asclepiadaceae	4,6	---
<i>Hamamelis virginiana</i>	H.C.A.	Hamamelidaceae	GD	---
<i>Hamamelis virginiana</i>	Purple meadow yellow	Scrophulariaceae	2,3,4,7,9	XX
<i>Hamamelis virginiana</i>	"	"	7	---
<i>Hamamelis virginiana</i>	H.C.A.	Hamamelidaceae	GD	---
<i>Hamamelis virginiana</i>	Hamamelis	Compositae	3,4	X
<i>Hamamelis virginiana</i>	Hamamelis	Scrophulariaceae	1,2,5	XX
<i>Hamamelis virginiana</i>	Hamamelis	Compositae	2,3,4	XXX
<i>Hamamelis virginiana</i>	Hamamelis	Leguminosae	4 E	---
<i>Hamamelis virginiana</i>	Hamamelis	Hamamelidaceae	2,3,4	-
<i>Hamamelis virginiana</i>	Hamamelis	Hamamelidaceae	E	---
<i>Hamamelis virginiana</i>	Hamamelis	Rubiacae	4,6	X
<i>Hamamelis virginiana</i>	Hamamelis	Hamamelidaceae	GD	---

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<i>Holligo verticillata</i>	Threadstem corymbweed	Asteraceae	A GD	--
<i>Monarda punctata</i>	Wormsalve	Labiatae	10	xxx
<i>Monarda multiflora</i>	Indian ghost pipe	Ericaceae	6	---
<i>Monarda rubra</i>	Red mulberry	Veronica	4,6	x
<i>Myosotis macrospora</i>	Spring forget-me-not	Brassicaceae	3,4	--
<i>Myrica cerifera</i>	Wax myrtle	Myricaceae	GD	xxx
<i>M. heterophylla</i>	Big-leaf "	"	5,7	--
<i>Myriophyllum heterophyllum</i>	Parrot feather	Helosciaceae	1	--
~~<i>Myriophyllum heterophyllum</i>~~	~~Parrot feather~~	~~Myricaceae~~		
<i>Myriophyllum heterophyllum</i>	Purple plantain	Myricaceae	10	--
<i>Myriophyllum heterophyllum</i>	Wild garlic	Myricaceae	G	xxx
<i>Myriophyllum heterophyllum</i>	Spotted dock	Myricaceae	1	--
<i>Myriophyllum heterophyllum</i>	Water lily	Myricaceae	1-5 *	---
<i>Myriophyllum heterophyllum</i>	Floating heart	Gentianaceae	1-5 *	---
<i>Myriophyllum heterophyllum</i>	Water tupelo	Nyssaceae	1,2	x
<i>Myriophyllum heterophyllum</i>	Black gum	"	3,4,7,9	xx
<i>Myriophyllum heterophyllum</i>	Pond black gum	"	1,5	--

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Oenothera biennis	Tall evening primrose	Onagraceae	6, 1b	---
O. laciniosa	Cut-leaf "	"	G D	x
O. speciosa	Showy "	"	G D	-
Opismenus hirtellus	Basket grass	Gramineae	4, 6	xx
Osunda cinnamomea	Cinnamon fern	Comandaceae	5, 7	---
O. regalis	Royal "	"	5, 7	---
Ostrya virginiana	Hop hornbeam	Corylaceae	4, 6	xxx
Oxalis corniculata	Creeping wood sorrel	Oxalidaceae	G D - 10	xxx
O. corymbosa	Large purple "	"	6	---
O. priceae	Yellow "	"	10	---
O. stricta	Stiff yellow "	"	G D	xx
O. violacea	Small purple "	"	6, 10	-
Oxypholis filiformis	Cowbane	Umbelliferae	9	---
O. ternata	Three-leaved cowbane	"	9	---
O. rigidior	Stiff	"	5, 7	---
Opuntia compressa	Prickly pear	Cactaceae	?	---
O. stricta, Var. dillenii	Large "	"	?	---
Palafoxia reverchonii	n.c.n.	Compositae	10 *	---
Panicum		Gramineae		
Parthenium hysterophorus	Ragweed parthenium	Compositae	3, 4 *	---
Parthenocissus quinquefolia	Virginia creeper	Vitaceae	G O	xx
Passiflora incarnata	Passion flower	Passifloraceae	4	---
P. lutea	Yellow "	"	6, 10	x

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Pedicularis canadensis	Early wood betony (Lousewort)	Scrophulariaceae *	7	---
Penstemon laxiflorus	White penstemon	Scrophulariaceae	10	-
P. tenuis	Sharp-sepal "	"	3,4	-
Penthorum sedoides	Virginia penthorum	Saxifragaceae	2,3,4	-
Perilla frutescens	Beefsteak plant	Labiatae	4,6	xx
Persea borbonia	Redbay	Laureaceae	GD	xxx
Persicaria hydropiperoides	Water pepper	Polygonaceae	1,2,3,4	xxxx
P. lapathifolium	Curlytop Smartweed	"	2,4	-
P. punctatum	Dotted water pepper	"	1,2,3,4	xx
P. setacea	Smartweed	"	1,2,3	xx
P. vulgaris	Pink smartweed	" *	1,2	---
Phlox pilosa	sweet william	Polmoniaceae	10	---
Phyllanthus carolinensis	Leaf flower	Euphorbiaceae	GD	xx
P. pulchra	Winged " "	"	GD	xxx
Physalis angulata	Cutleaf ground cherry	Solanaceae	GD	-
P. heterophylla	Cheney " "	"	GD	-
P. pubescens	Dogway " "	"	10	-
Physcstegia intermedia	Obedient plant	Labiatae	7,9	---
P. procumbens	Prairie " "	"	7,9	---
Phytolacca americana	Poke weed	Phytolaccaceae	GD	-
Pinguicula pumila	Blue butterwort	Lentibulariaceae	7,9	---
Platanus aquatica	Water elm	Ulmaceae	1,2	xxx

Scientific Name	Common Name	Family	Zone	Population Density
<i>Plantago lanceolata</i>	Buckhorn plantain	Plantaginaceae	G D	xx
P. major	Large "	"	G D	---
P. virginica	Paleseed "	"	G D	xxx
<i>Platanus occidentalis</i>	Sycamore	Platanaceae	4	---
<i>Pluchea camphorata</i>	Camphor marsh fleabane	Compositae	2,3,4	xxx
P. foetida	Stinking "	"	7,9	xx
P. purpurascens	Purple "	"	2,3,4	xxx
P. rosea	Pink "	"	7,9	---
<i>Poa</i>		Gramineae		
<i>Podophyllum peltatum</i>	Mayapple	Berberidaceae	6	---
<i>Pogonia ophioglossoides</i>	Snake mouth orchid	Orchidaceae	7,9	---
<i>Polianthes virginica</i>	False aloe	Amaryllidaceae	7,9	---
<i>Polygala cruciata</i>	Marsh milkwort	Polygalaceae	7,9	---
P. leptocaulis	Slender "	"	9,10	---
P. mariana	Maryland "	"	G D	xxx
P. nana	Low "	"	7,9	---
P. polygama	Bitter "	"	10	---
P. ramosa	Yellow "	"	7,9	---
<i>Polypodium polypodioides</i>	Resurrection fern	Polypodiaceae	3,4	xx
<i>Polyprenum procumbens</i>	Poly prim	Loganiaceae	G D	xxx
<i>Polystichum acrostichoides</i>	Christmas fern	Polypodiaceae	6	---
<i>Populus deltoides</i>	Cottonwood	Salicaceae	2,4	---
<i>Portulaca oleracea</i>	Purslane	Portulacaceae	G D	---
<i>Potamogeton</i> spp.	Pond weed	Potamogetonaceae	/	x

Scientific Name	Common Name	Family	Zone	Population Density
<i>Prosopis juliflora</i> P.	Marsh mimosa's weed Combleaf "	Halimnaceae "	1, 2, 5 1, 2, 5	-- --
<i>Prunella vulgaris</i>	Self heal	Labiatae	G D	-
<i>Prunus caroliniana</i> P.	Carolina laurel cherry	Resaceae "	6 0	x
<i>P. umbellata</i> P.	Flatwoods plum Black cherry	"	10 6 0	-- x
<i>Psilotum nudum</i>	Whisk fern	Psilotaceae	5 *	---
<i>Ptelos trifoliata</i>	Hop tree	Eutaceae	2	---
<i>Pteridium aquilinum</i>	Bracken fern	Polypodiaceae	10	xxx
<i>Ptilimnium capillaceum</i> P.	Thread leaf mock bishops weed Mock bishops weed	Umbelliferae "	7, 9 7, 9	x x
<i>Pyrrhopappus carolinianus</i>	False dandelion	Compositae	G D	-
<i>Pyrus arbutifolia</i>	Chokeberry	Rosaceae	7, 5	---
<i>Quercus alba</i> Q.	White oak	Fagaceae	6 0	xxx
<i>Q. falcata</i> Q.	Southern red oak	"	G 0	xxx
<i>Q. f. var. pagodaeifolia</i> Q.	Cherry bark "	"	6 0	xxx
<i>Q. f. var. triloba</i> Q.	Turkey foot "	"	G 0	---
<i>Q. incana</i> Q.	Bluejack	"	10	xx
<i>Q. laurifolia</i> Q.	Laurel leaf	"	3, 4 3, 4	x
<i>Q. lyrata</i> Q.	Overcup	"	10 3, 4 0	xxx
<i>Q. marilandica</i> Q.	Blackjack	"		
<i>Q. nigra</i> Q.	Water	"		
<i>Q. phellos</i> Q.	Willow	"		
<i>Q. prinus</i> Q.	Chestnut	"		
<i>Q. shumardii</i> Q.	Shumards red	"		
<i>Q. stellata</i> Q.	Sweet post	"		
<i>Q. virginiana</i> Q.	Post live	"	3, 4 3, 4 3, 4 10 E	---

Scientific Name	Common Name	Family	Zone	Population Density
<i>Erigeron phillyneus</i>	Little leaf buttercup	Erigeronaceae	1, 5	--
<i>R. carolinianus</i>	Crowfoot	"	3, 4	X
<i>R. fascicularis</i>	Shifting	"	GD	xxx
<i>R. muricatus</i>	Poughseed	"	*	---
<i>Ratibida columnaris</i>	Mexican hat crockflower	Compositae	6	XX
<i>Thymus carolinianus</i>	Carolina buckhorn	Ericaceae	7, 9	--
<i>Rhus glabra</i>	Meadow herry	Leguminosae	7, 9	XX
<i>R. integrifolia</i>	Yellow " "	"	7, 9, 10	---
<i>R. copallina</i>	Marbled " "	"	9	---
<i>R. copallina</i>	Rose " "	"	1, 5	---
<i>R. glabra</i>	Common " "	"	5	---
<i>Rhus glabra</i>	Pink wild apple	Malvaceae	7, 5	---
<i>Rhus glabra</i>	White " "	"	GD	xxx
<i>Rhus glabra</i>	Flame shrub	"	10	X
<i>R. toxicodendron</i>	Poison oak	"	3, 4	xxx
<i>R. b. vulgaris</i>	Poison ivy	"	5	---
<i>R. b. vulgaris</i>	Poison sumac	"	10	X
<i>Rhus glabra</i>	Great horn	Leguminosae	10	---
<i>R. glabra</i>	Broadleaf	"	10	X
<i>R. glabra</i>	Kidney leaved	"	10	---
<i>Rhus glabra</i>	Pough mexican clover	Leguminosae	10 - D	--
<i>Rhus glabra</i>	Tooth cup	Lythraceae	3, 3, 4	---
<i>Rhus glabra</i>	Blackberry	Rubus	GD	xxx
<i>R. glabra</i>	Deberry	"	GD - 10	X

Scientific Name	Common Name	Family	Zone	Population Density
<i>Ruellia humilis</i> R. strepens	Box. ruellia Smooth "	Scrophulariaceae	9, 10 4	- -
<i>Rumex crispus</i> R. hastatus R. pulcher	Curly dock Heartwing " Fiddle "	Polygonaceae	G D G D G D	- - -
<i>Sabel louisianensis</i> S. minor	Tall palmetto Dwarf "	Palmaeaceae	3 3, 4	xxx xx
<i>Scutellaria campestris</i> S. campanulata S. gentianoides	Meadow pink Prairie " Clustered marsh pink	Gentianaceae	7, 9 * 9 7, 9	- --- ---
<i>Sacciolepis</i>		Gramineae		
<i>Sagittaria arifolia</i> S. papillosa S. platyphylla	Grass-leaved arrowhead Hippocrepis " Delta	Alismaceae	1 1 1	x - -
<i>Sagittaria arifolia</i>	Chinese tallow	Euphorbiaceae	0	xxxx
<i>Salix interior</i> S. nigra	Sandbar willow Black "	Salicaceae	2 D	xx -
<i>Salvia azurea</i> S. lyrata	Blue sage Lyre-leaf sage	Labiatae	10 G D	- x
<i>Sambucus canadensis</i> S. parviflorus	Elderberry Brookweed	Caprifoliaceae	4, 6 3, 4	x -
<i>Sanicula canadensis</i> S. elata	Canada sanicle Pitcher plant	Umbelliferae	4, 6, 10 * 9	xxx ---

Scientific Name	Common Name	Family	Zone	Population Density
<i>Sassafras albidum</i>	Common sassafras	Lauraceae	4, 6, 10 - D	xxx
<i>Saururus cernuus</i>	Lizard tail	Saururaceae	1, 2	xx
<i>Schizanthus luteus</i>		Cramineae		
<i>Schoenolobos coccineus</i>	Sunbells	Liliaceae	9	---
<i>Schreberia hystrix</i>	Sensitive plant	Leguminosae	10	x
<i>Scirpus</i>		Cyperaceae		
<i>Scleria</i>		Cyperaceae		
<i>Scoparia dulcis</i>	Sweet woodruff	Menyanthes	4 GD	xx
<i>Scutellaria elliptica</i>	Narrowleaf skullcap	Scrophulariaceae	7, 9, 10	x
<i>S. integrifolia</i>	"	"	7, 9, 10	x
<i>S. ovata</i>	Ovalleaf	"	4, 7, 9, 10	---
<i>Sebastiania frutescens</i>	Sebastian bush	Euphorbiaceae	3, 4	xxx
<i>Selaginella apoda</i>	Basket selaginella	Selaginellaceae	6	---
<i>Senecio glabellus</i>	Groundsel	Compositae	3, 4	x
<i>Senecio drummondii</i>	Rattlebox	Leguminosae	GD - 4	x
<i>S. macrocarpa</i>	Coffee bean	"	GD	x
<i>S. vesicaria</i>	Bladderpod	"	GD	x
<i>Sherardia arvensis</i>	n.c.n.	Rubiaceae	4 D	---
<i>Sida rhombifolia</i>	Arrowleaf sida	Melastomaceae	GD	xxx
<i>S. spinosa</i>	Prickly	"	4	---

Scientific Name	Common Name	Family	Zone	Population Density
<i>Milene subelliptica</i>	Red catchfly	Caryophyllaceae	*	---
<i>Silene gracile</i>	Slender rosinweed	Compositae	10	x
<i>S. simpsonii</i>	Simpson's "	"	10	x
<i>Disyrinchium</i> spp.		Iridaceae	9, 10	xx
<i>Grilax bonariensis</i>	China brier	Iridaceae	4	xxx
<i>G. glauca</i>	Swabrier	"	5	x
<i>G. laurifolia</i>	Laurel leaf greenbrier	"	6, 10	x
<i>G. parvifolia</i>	Low greenbrier	"	6	xxx
<i>G. rotundifolia</i>	Ballbrier	"	5	x
<i>G. smallii</i>	Smalls greenbrier	"	5	---
<i>G. walteri</i>	Red-berried "	"	5	---
<i>Solanum</i>				
<i>Solidago altissima</i>	Tall goldenrod	Compositae	G D	x
<i>S. nitida</i>	Shiny "	"	10	xx
<i>S. odora</i>	Fragrant "	"	G D	xxx
<i>S. rugosa</i>	Wrinkled "	"	10	xx
<i>S. sempervirens</i>	Seaside "	"	4 - D	---
<i>Soliva anatherifolia</i>	Butweed	Compositae	D	x
<i>Donchus asper</i>	Sow thistle	Compositae	G D	x
<i>Sorghum</i>		Gramineae		
<i>Sphenoclea zeylanica</i>	Chicken spike	Campanulaceae	1, 2	---
<i>Spilanthes americana</i>	Soot flower	Compositae	3, 4	xxx
<i>Spiranthes cernua</i>	Nodding ladies tresses	Orchidaceae	3, 4	---
<i>S. gracilis</i>	Slender "	"	7, 9	---
<i>S. longilabris</i>	Giant "	"	7, 9	---
<i>S. praecox</i>	Grass-leaved "	"	9, 4	---
<i>S. vernalis</i>	Spring "	"	7, 9	---
<i>Solanum</i>				
<i>S. carolinense</i>	Horse nettle	Solanaceae	G D	xxx
<i>S. elaeagnifolium</i>	Silver-leaf "	"	4 D	---
<i>S. nodiflorum</i>	Nightshade	"	D	xx

Scientific Name	Common Name	Family	Zone	Population Density
<i>Sporobolus</i>		Gramineae		
<i>Stachys tenuifolia</i>	Patchy	Labiatae	2,4	---
<i>Stellaria media</i>	Chickweed	Caryophyllaceae	G-D	xxx
<i>Thymus sylvaticus</i>	Queen's delight	Umbelliferae	10	-
<i>Trifolium aquaticum</i>	Purple stylism	Compositae	* 9	---
<i>Stylosanthes carnea</i>	Carolina vervain	Verbenaceae	10	--
<i>Stylosanthes biflora</i>	Pencilflower	Leguminosae	10	x
<i>Stylosanthes americana</i>	Suckerton	Leguminosae	4	x
<i>Stylosanthes triflora</i>	Horse sugar	Leguminosae	6,10	x
<i>Taraxacum officinale</i>	Dandelion	Compositae	G-D	--
<i>Thalictrum distichum</i>	Bald cypress	Pinaceae	1,2,3,5	xx
<i>Thalictrum flavum</i>	Devils shoe string	Leguminosae	10	x
<i>Thalictrum flavum</i>	Goats rue	Leguminosae	10	x
<i>Thalictrum flavum</i>	Threelobed	Compositae	*	---
<i>Thalictrum flavum</i>	Common woods fern	Polypodiaceae	4,6	--
<i>Thalictrum flavum</i>	Basswood	Umbelliferae	4,6	--
<i>Thalictrum flavum</i>	Spanish moss	Bromeliaceae	3,4	---
<i>Thalictrum flavum</i>	Cranefly orchid	Orchidaceae	6	---

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<i>Tofieldia racemosa</i>	Viscid tofieldia	Liliaceae	q	---
<i>Trachelospermum difforme</i>	Climbing dog bane	Apocynaceae	3,4	x
<i>Tradescantia ohioensis</i>	Ohio spiderwort	Commelinaceae	G	xxx
<i>Tragia smallii</i>	Small's noseburn	Urticaceae	10	-
<i>T. urens</i>	Wavyleaf "	"	10	-
<i>T. urticifolia</i>	Nettleleaf "	"	10	xx
<i>Tridens</i>		Gramineae		
<i>Triodanis biflora</i>	Small venus looking glass	Campanulaceae	D	-
<i>T. perfoliata</i>	Clasping "	"	D	-
<i>Tripsacum</i>		Gramineae		
<i>Typha latifolia</i>	Cat tail	Typhaceae	1	x
<i>Uniola</i>		Gramineae	1	---
<i>Utricularia vulgaris</i>	Bladderwort	Lentibulariaceae		---
<i>Vaccinium arboreum</i>	Huckleberry	Ericaceae	10	xxx
<i>V. arkansanum</i>	Arkansas blueberry	"	5,7	---
<i>V. elliotii</i>	Elliot's blueberry	"	2,5	---
<i>V. stamineum</i>	Deerberry	"	10	x
<i>V. virgatum</i>	Highbush blueberry	"	5,6,7	xx
<i>Valerianella stenocarpa</i>	Corn salad	Valerianaceae	G-D	-
<i>Verbena bonariensis</i>	Shore vervain	Verbenaceae	4	---
<i>V. braziliensis</i>	Brazilian "	"	G	xxx
<i>V. canadensis</i>	Rose verben	"	10	---
<i>V. halei</i>	Slender vervain	"	10	---
<i>V. rigida</i>	Veiny verben	"	G	---
<i>V. scabra</i>	Harsh "	"	G-D	---
<i>V. tenuisecta</i>	Moss verben	"	G-D	---
<i>V. xutha</i>	Tall white verbain	"	4,6	---

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<i>Verbascum thapsus</i>	Flannel mullein	Scrophulariaceae	D	---
<i>Verbasina virginica</i>	Frostweed	Compositae	4,6	---
<i>Veronica arvensis</i>	Common speedwell	Scrophulariaceae	G D	---
<i>V. peregrina</i>	Purple " "	"	G D	---
<i>V. polita</i>	Layside "	"	G D	---
<i>Viburnum dentatum</i>	Arrow wood viburnum	Caprifoliaceae	3,4	XXX
<i>V. nitidum</i>	Shiny "	"	5,7	---
<i>V. nudum</i>	Possumhaw "	"	5,7	---
<i>V. rufidulum</i>	Blackhaw "	"	10	---
<i>Viola lanceolata</i>	Lanceleaf violet	Violaceae	7	XX
<i>V. angloisi</i>	Bayou "	"	4	XXX
<i>V. missouriensis</i>	Missouri "	"	4	---
<i>V. pringleifolia</i>	Pringle leaf "	"	7,6	X
<i>V. sagittata</i>	Arrowleaf "	"	4,10	---
<i>V. sororia</i>	Downy "	"	4	---
<i>V. triloba</i>	Trilobed "	"	4,10	X
<i>V. vittata</i>	Marion leaf violet	"	7,9	---
<i>V. waltersi</i>	Walters "	"	6	---
<i>Vitis aestivalis</i>	Sour grape	Vitaceae	4	XXX
<i>V. rotundifolia</i>	Muscadine "	"	G D	XXX
<i>Wisteria macrostachya</i>	Wisteria	Leguminosae	2,5	X
<i>Xanthium chinense</i>	Cocklebur	Compositae	G D	---
<i>Xanthoxanthum texanum</i>	Texas broomweed	Compositae	4	---
<i>Xyris sp.</i>		Xyridaceae	5,7,9	X
<i>Yucca louisianensis</i>	Yucca	Liliaceae	10	---
<i>Anthoxylum clavellare</i>	Prickley ash, horridles club Nutt.	Nuttall	4,6	---