

Part 4

THE VEGETATION TYPES OF TEXAS **Including Cropland**

**An Illustrated Synopsis to
Accompany the Map**

by

Craig A. McMahan, Roy G. Frye and Kirby L. Brown
Texas Parks and Wildlife Department



Live Oak – Ashe Juniper Woods

BIBLIOGRAPHY

- Allred, B. W. and Homer C. Mitchell. 1954. Major plant types of Arkansas, Louisiana, Oklahoma and Texas. Ft. Worth, Tex. Soil Conservation Service.
- Blackstock, D. A. 1979. Soil survey of Lubbock Co., Texas. USDA, SCS. 105 pp. + maps.
- Blum, E. L. 1977. Soil survey of Sterling Co., Texas. USDA, SCS. 76 pp. + maps.
- Bray, W. L. 1906. Distribution and adaptations of the vegetation of Texas. Univ. Tex. Bull. No. 82, Series No. 10, 108 pp.
- Bynum, O. W. and J. L. Coker. 1974. Soil survey of McCulloch Co., Texas. USDA, SCS. 91 pp. + maps.
- Clower, D. F. 1978. Soil survey of Montague Co., Texas. USDA, SCS. 113 pp. + maps.
- Coffee, D. R. 1967. Soil survey of Menard Co., Texas. USDA, SCS. 51 pp. + maps.
- Connor, N. R. 1976. Soil survey of Taylor Co., Texas. USDA, SCS. 66 pp. + maps.
- Correll, D. S. and M. C. Johnston, 1970. Manual of the vascular plants of Texas. Tex. Research Foundation, Renner, Tex. 1881 pp.
- Cottle, H. J. 1931. Studies in the vegetation of southwestern Texas. *Ecol.* 12:105-155.
- _____. 1932. Vegetation on north and south slopes of mountains in southwest Texas. *Ecol.* 13:121-134.
- Crout, J. D., D. G. Symmank and G. A. Peterson. 1965. Soil survey of Jefferson Co., Texas. USDA, SCS. 73 pp. + maps.
- Crump, J. O. and J. C. Williams. 1975. Soil survey of Wheeler Co., Texas. USDA, SCS. 99 pp. + maps.
- Davis, R. B. and R. L. Spicer. 1965. Status of the practice of brush control in the Rio Grande Plain. *Tex. Parks & Wildl. Dept. Bull.* 46. 40 pp.
- Dittemore, W. H. Jr., and H. W. Hyde. 1964. Soil survey, Yoakum Co., Texas. USDA, SCS, Series 1960, No. 15. 53 pp. + maps.
- _____, Carey May, W. L. DeLozier, D. L. McClennon and H. W. Hyde. 1965. Soil survey of Gaines Co., Texas. USDA, SCS. 55 pp. + maps.
- _____, and E. L. Blum. 1975. Soil survey of Uvalde Co., Texas. USDA, SCS. 101 pp. + maps.
- Dittmar, G. W., M. L. Deike and D. L. Richmond. 1977. Soil survey of Medina Co., Texas. USDA, SCS. 92 pp. + maps.
- Dixon, M. L., W. H. Dittemore, Jr. and H. W. Hyde. 1973. Soil survey of Scurry Co., Texas. USDA, SCS. 56 pp. + maps.
- _____. 1977. Soil survey of Glasscock Co., Texas. USDA, SCS. 84 pp. + maps.
- Dolezel, Raymond. 1975. Soil survey of Panola Co., Texas. USDA, SCS. 55 pp. + maps.
- _____. 1980. Soil survey of Nacogdoches Co., Texas. USDA, SCS. 146 pp. + maps.
- Dyksterhuis, E. H. 1946. The vegetation of the Forth Worth Plains Prairie. *Ecol. Monogr.* 16:1-29.
- _____. 1948. The vegetation of the Western Cross Timbers. *Ecol. Monogr.* 18:326-376.
- Gould, F. W., G. O. Hoffman and C. A. Rechenthin. 1960. Vegetational Areas of Texas. *Tex. A&M Univ., Tex. Agric. Exp. Sta. Leaflet* 492.
- _____. 1969. Texas plants—a checklist and ecological summary. *Tex. A&M Univ., Tex. Agric. Exp. Sta. MP-585/Revised.* 121 pp.
- Grelen, H. E. and W. L. Duvall, 1966. Common plants of longleaf pine-bluestem range. USDA, Forest Service. Res. paper 50-23. 96 pp.
- Guckian, W. J. and R. N. Garcia. 1979. Soil survey of San Patricio and Aransas Cos., Texas. USDA, SCS. 122 pp. + maps.
- Hyde, H. W., N. R. Conner and H. R. Stover. 1973. Soil survey of Midland Co., Texas. USDA, SCS. 43 pp. + maps.
- Jaco, H. B. 1980. Soil survey of Reeves Co., Texas. USDA, SCS. 125 pp. + maps.
- Kier, R. S., L. E. Garner, and L. F. Brown, Jr. 1977. Land resources of Texas—a map of Texas lands classified according to natural suitability and use considerations. Bureau of Economic Geology, Univ. of Tex. at Austin.
- Küchler, A. W. 1964. Manual to accompany the map—potential natural vegetation of the conterminous United States, *Amer. Geol. Soc. Spec. publ. No. 36.* Amer. Geol. Soc., New York, N.Y. 116 pp.
- Lowther, A. C. 1981. Soil survey of Nolan Co., Texas. USDA, SCS. 138 pp. + maps.
- McBryde, James B. 1933. The vegetation and habitat of the Carrizo Sands. *Ecol. Monogr.* 3:247-297.
- McClintock, W. R., T. L. Galloway, B. R. Stringer and L. E. Andrew. 1972. Soil survey of Montgomery Co., Texas. USDA, SCS. 70 pp. + maps.
- McEwen, H. F. and Jack Crout. 1974. Soil survey of Wharton Co., Texas. USDA, SCS. 43 pp. + maps.
- Meade, W. D., W. G. Chervenka and J. M. Greenwade. 1974. Soil survey of Navarro Co., Texas. USDA, SCS. 69 pp. + maps.
- Minzenmayer, F. E. 1979. Soil survey of Jim Wells Co., Texas. USDA, SCS. 111 pp. + maps.
- Mowery, I. C. and G. S. McKee. 1959. Soil survey of Lynn Co., Texas. USDA, SCS. 37 pp. + maps.
- _____, M. T. Turner, D. Gooch, J. C. Williams, R. B. Hailey and T. Robinson, 1961. Soil survey of Haskell Co., Texas. USDA, SCS. 74 pp. + maps.

- National Park Service. 1979. Biological investigation in Guadalupe Mountains Park, Texas. National Park Service Proc. and Trans. Series No. 4, 442 pp.
- Newman, A. L., J. W. Stevens, T. J. Holder, and D. Arriaga. 1967. Soil survey of Kinney Co., Texas. USDA, SCS. 60 pp. + maps.
- Pessin, L. J. 1933. Forest associations on the uplands of the lower Gulf Coastal Plain. *Ecol.* 14:1-14.
- Ramsey, R. N. and N. P. Bade. 1977. Soil survey of Guadalupe Co., Texas. USDA, SCS. 80 pp. + maps.
- Richardson, W. E., D. G. Grice and L. A. Putnam. 1965. Soil survey of Garza Co., Texas. USDA, SCS. 84 pp. + maps.
- _____ and C. L. Girdner. 1973. Soil survey of Kent Co., Texas. USDA, SCS. 67 pp. + maps.
- _____, J. Hajek and C. Neitsch. 1977. Soil survey of Motley Co., Texas. USDA, SCS. 77 pp. + maps.
- Rivers, J. L. 1980. Soil survey of Pecos Co., Texas. USDA, SCS. 97 pp. + maps.
- Rogers, C. A., A. R. Goerdel and H. D. Gooch. 1972. Soil survey of Jones Co., Texas. USDA, SCS. 51 pp. + maps.
- Rowell, C. 1949. Vascular plants of the Texas Panhandle and South Plains. PhD. Thesis, Okla. State Univ.
- Sanders, Dupree. 1962. Soil survey of Terry Co., Texas. USDA, SCS. 57 pp. + maps.
- Stevens, J. W. and D. L. Richmond. 1969. Soil survey of Uvalde Co., Texas. USDA, SCS. 101 pp. + maps.
- _____ and D. Arriaga. 1977. Soil survey of Maverick Co., Texas. USDA, SCS. 62 pp. + maps.
- Stoner, H. R., W. D. Mitchell, G. K. Brock, and H. E. Mitchell. 1969. Soil survey of Howard Co., Texas. USDA, SCS. 68 pp. + maps.
- _____, T. J. Holder, D. L. McClennan and K. M. Templeton. 1969. Soil survey of Mitchell Co., Texas. USDA, SCS. 47 pp. + maps.
- _____ and M. L. Dixon. 1974. Soil survey of Martin Co., Texas. USDA, SCS. 54 pp. + maps.
- Taylor, F. B. 1977. Soil survey of Wilson Co., Texas. USDA, SCS. 99 pp. + maps.
- Telfair, R. C. II. 1983. The Cattle Egret: A Texas Focus and World View. The Kleberg Studies in Natural Resources. Tex. Agric. Expt. Sta., Tex. A&M Univ., College Station. 144 pp.
- Templin, E. H., A. L. Nabors, T. R. Atkins, A. W. Crain, I. C. Mowery, D. T. Horton, J. S. Williams and R. M. Voigtel. 1958. Soil survey of McLennan Co., Texas. USDA, SCS. Series 1942, No. 17, 124 pp. + maps.
- Tharp, B. C. 1926. Structure of Texas vegetation east of the 98th meridian. *Univ. of Tex. Bull.* No. 2606.
- _____. 1939. The vegetation of Texas. *Tex. Acad. Sci.* 74 pp.
- _____. 1943. The mesa region of Texas. *Tex. Acad. Sci. Proc. and Trans.* 27:81-91.
- _____. 1952. Texas range grasses. Univ. Tex. Press. 125 pp.
- Thomas, J. R., Jr. 1977. Soil survey of Red River Co., Texas. USDA, SCS. 92 pp. + maps.
- Turner, A. J. and R. E. Fox. 1974. Soil survey of Terrell Co., Texas. USDA, SCS. 35 pp. + maps.
- _____. 1977. Soil survey of Jeff Davis Co., Texas. USDA, SCS. 93 pp. + maps.
- U.S. Forest Service. 1965. Silvics of forest trees of the United States. USDA Agric. Handbook No. 271.
- Warnock, B. H. 1970. Wildflowers of the Big Bend country, Texas. Sul Ross State Univ., Alpine Tex. 157 pp.
- Wheeler, F. F. 1976. Soil survey of Harris Co., Texas. USDA, SCS. 140 pp. + maps.
- Wiedenfeld, C. C., L. J. Barnhill and C. J. Novosad. 1970. Soil survey of Runnels Co., Texas. USDA, SCS. 60 pp. + maps.
- _____ and P. H. Flores. 1976. Soil survey of Tom Green Co., Texas. USDA, SCS. 58 pp. + maps.
- _____. 1980. Soil survey of Schleicher Co., Texas. USDA, SCS. 64 pp. + maps.
- Williams, J. C., A. J. Welker, F. F. Wheeler and H. F. McEwen. 1974. Soil survey of Hemphill Co., Texas. USDA, SCS. 55 pp. + maps.
- Wyrick, J. C. 1981. Soil survey of Roberts Co., Texas. USDA, SCS. 120 pp. + maps.

APPENDIX

Scientific Names of Plants Mentioned

A

Acacia, whitethorn	<i>Acacia constricta</i>
Agarito	<i>Berberis trifoliolata</i>
Alligator weed	<i>Alternanthera philoxeroides</i>
Allthorn	<i>Koeberlinia spinosa</i>
Ampelopsis, heartleaf	<i>Ampelopsis cordata</i>
American beautyberry	<i>Callicarpa americana</i>
Anthericum, Torrey	<i>Anthericum torreyi</i>
Arrowhead	<i>Sagittaria</i> spp.
Arrowwood, southern	<i>Viburnum dentatum</i>
Ash, Carolina	<i>Fraxinus caroliniana</i>
_____, red	<i>F. pensylvanica</i>

B

Baccharis	<i>Baccharis</i> spp.
Balsamscale, Pan American	<i>Elyonurus tripsacoides</i>
Bay, red	<i>Persea borbonia</i>
Bean, mescal	<i>Sophora secundiflora</i>
Bean, slickseed	<i>Strophostyles leiosperma</i>
Beargrass	<i>Nolina erumpens</i>
Beebalm, plains	<i>Monarda pectinata</i>
Beech	<i>Fagus grandifolia</i>
Beggar-ticks	<i>Bidens discoidea</i>
Bermudagrass	<i>Cynodon dactylon</i>
Betony, rock	<i>Stachys bigelovii</i>
Bitterweed	<i>Hymenoxys</i> spp.
Blackberry	<i>Rubus louisianus</i>
Blackbrush	<i>Acacia rigidula</i>
Blackgum	<i>Nyssa sylvatica</i>
_____, swamp	<i>N. sylvatica</i> var. <i>biflora</i>
Bladderwort	<i>Utricularia</i> spp.
Blueberry	<i>Vaccinium</i> spp.
Bluebonnet, Texas	<i>Lupinus texensis</i>
Bluestem, broomsedge	<i>Andropogon virginicus</i>
_____, bushy	<i>Andropogon glomeratus</i>
_____, cane	<i>Bothriochloa barbinodis</i> var. <i>barbinodis</i>
_____, little	<i>Schizachyrium scoparium</i> var. <i>frequens</i>
_____, sand	<i>Andropogon hallii</i>
_____, seacoast	<i>Schizachyrium scoparium</i> var. <i>littoralis</i>
_____, silver	<i>Bothriochloa saccharoides</i>
_____, slender	<i>Schizachyrium tenerum</i>
Bluewood	<i>Condalia hookeri</i>
Bois d'arc	<i>Maclura pomifera</i>
Brickellbush	<i>Brickellia</i> spp.
Bristlegrass, plains	<i>Setaria macrostachya</i>
Broomweed, false	<i>Haploesthes greggii</i>
Buckwheat, false climbing	<i>Polygonum cristatum</i>
Buckwheat, wild	<i>Eriogonum</i> spp.
Buffalograss	<i>Buchloë dactyloides</i>
Buffalograss, false	<i>Munroa squarrosa</i>
Bullgrass	<i>Muhlenbergia emersleyi</i>
Bulrush	<i>Scirpus</i> spp.
_____, California	<i>S. californicus</i>

Bumelia, woollybucket
Bundlemflower, Illinois
_____, velvet
Burrobrush
Burrograss
Bushclover
Bushsunflower
Butterflybush
Buttonbush

Cabomba
Cane, giant
Catclaw
Cattail
Cenicilla
Ceniza
Century plant
Cherry, escarpment
Chokecherry, southwestern
Cholla
Clover, prairie
Coldenia
Colubrina, Texas
Consumption weed
Coontail
Coral-berry
Cordgrass, big
_____, marshay
_____, prairie
_____, smooth
Cottontop, Arizona
Cottonwood
Coyotillo
Creosotebush
Crinkleawn
Crossvine
Croton
_____, grassland
_____, one-seed
Cypress, bald

Daisy, Engelmann
Dallisgrass
Dayflower
Devilweed, Mexican
Devil's claw
Dewberry
_____, southern
Dogweed
Dogwood, flowering
_____, rough leaf
Dropseed, giant
_____, meadow
_____, mesa

Bumelia lanuginosa
Desmanthus illinoensis
D. velutinus
Hymenoclea monogyra
Scleropogon brevifolius
Lespedeza spp.
Simsia calva
Buddleja scordioides
Cephalanthus occidentalis

C

Cabomba caroliniana
Arundinaria gigantea
Acacia greggii
Typha spp.
Sesuvium portulacastrum
Leucophyllum frutescens
Agave spp.
Prunus serotina var. *eximia*
P. serotina var. *virens*
Opuntia imbricata var. *imbricata*
Petalostemum spp.
Coldenia spp.
Colubrina texensis
Baccharis halimifolia
Ceratophyllum demersum
Symphoricarpos orbiculatus
Spartina cynosuroides
S. patens
S. pectinata
S. alterniflora
Trichachne californica
Populus deltoides
Karwinskia humboldtiana
Larrea tridentata
Trachypogon secundus
Bignonia capreolata
Croton spp.
C. dioicus
C. monanthogynus
Taxodium distichum

D

Engelmannia pinnatifida
Paspalum dilatatum
Commelina spp.
Aster spinosus
Proboscidea spp.
Rubus spp.
R. trivialis
Dyssodia pentachaeta var. *pentachaeta*
Cornus florida
C. drummondii
Sporobolus giganteus
S. asper var. *hookeri*
S. flexuosus

_____, pine
_____, sand
_____, spike
_____, tall
Duckweed

Eardrop vine
Elbowbush
Elderberry, common
Elm
_____, American
_____, cedar
_____, water
_____, winged
Eryngo, Leavenworth
Euphorbia, mat
Evening primrose, yellow
Evolvulus, slender

Featherplume
Fern, water
Fir, Douglas
Firewheel
Flatsedge
Fluffgrass
Foxglove
Frostweed

Gamagrass, eastern
Gaura, scarlet
Gayfeather
Glasswort
Goatbush
Goldenrod
Grama, black
_____, blue
_____, chino
_____, gyp
_____, hairy
_____, Neally
_____, red
_____, sideoats
_____, Texas
Granjeno
Grape, mustang
_____, Panhandle
Greenbriar
_____, saw
Groundcherry, heartleaf
_____, spearleaf
Groundsel tree
Guajillo

Blepharoneuron tricholepsis
Sporobolus cryptandrus
S. contractus
S. asper
Lemna spp.

E

Brunnichia ovata
Forestiera pubescens
Sambucus canadensis
Ulmus spp.
U. americana
U. crassifolia
Planera aquatica
Ulmus alata
Eryngium leavenworthii
Euphorbia serpens
Calylophus serrulatus
Evolvulus alsinoides

F

Dalea formosa
Azolla caroliniana
Pseudotsuga menziesii
Gaillardia spp.
Cyperus spp.
Erioneuron pulchellum
Penstemon cobaea
Verbesina virginica

G

Tripsacum dactyloides
Gaura coccinea
Liatris spp.
Salicornia spp.
Castela texana
Solidago spp.
Bouteloua eriopoda
B. gracilis
B. ramosa
B. breviseta
B. hirsuta
B. uniflora
B. trifida
B. curtispindula
B. rigidiseta
Celtis pallida
Vitis mustangensis
V. acerifolia
Smilax spp.
S. bona-nox
Physalis hederifolia
P. virginiana var. *sonorae*
Baccharis salicina
Acacia berlandieri

Guayacan
Gumweed, spinytooth

Porlieria angustifolia
Grindelia lanceolata

H

Hackberry
Hackberry, netleaf
Haw, pasture
Hawthorn
Hemp, bog
Hempweed, climbing
Hickory, black
_____, water
Hierba del pollo
Holly
Hornbeam, American
Horsetail
Huisache
Huisachillo
Hyacinth, water

Celtis spp.
C. reticulata
Crataegus spathulata
Crataegus spp.
Boehmeria cylindrica
Mikania scandens
Carya texana
C. aquatica
Commelina erecta var. *angustifolia*
Ilex spp.
Carpinus caroliniana
Equisetum kansanum
Acacia farnesiana
A. tortuosa
Eichornia crassipes

I

Indiangrass
Indian mallow
Indigo, wild blue
Ironweed

Sorghastrum avenaceum
Abutilon incanum
Baptisia australis
Vernonia spp.

J

Javelina bush
Jessamine, yellow
Jimmyweed
Johnsongrass
Juniper
_____, alligator
_____, Ashe
_____, one-seed
_____, red-berry

Condalia ericoides
Gelsemium sempervirens
Isocoma wrightii
Sorghum halepense
Juniperus spp.
J. deppeana
J. ashei
J. monosperma
J. pinchotii

K

Kidneywood

Eysenhardtia texana

L

Lantana, Texas
Lead plant
Leafflower, knotweed
Leatherstem
Lechuguilla
Locust, honey
Lotebush
Lovegrass, gummy
_____, red
_____, sand
_____, tumble

Lantana horrida
Amorpha canescens
Phyllanthus polygonoides
Jatropha dioica
Agave lecheguilla
Gleditsia triacanthos
Ziziphus obtusifolia
Eragrostis curtipedicellata
E. oxylepis
E. trichodes
E. sessilispica

M

Madrone, Texas
 Magnolia
 Mahogany, mountain
 Maidencane
 Mangrove, black
 Maple, bigtooth
 _____, red
 Mariola
 Menodora, rough
 Mesquite
 _____, curly
 Mormon tea
 Morningglory, beach
 _____, bush
 _____, goatfoot
 Muhly, bush
 _____, cliff
 _____, Lindheimer
 _____, pine
 Myrtle, wax

Arbutus xalapensis
Magnolia grandiflora
Cercocarpus montanus
Panicum hemitomom
Avicennia germinans
Acer grandidentatum
A. rubrum
Parthenium incanum
Menodora scabra
Prosopis glandulosa
Hilaria belangeri
Ephedra spp.
Ipomoea stolonifera
I. leptophylla
I. pes-caprae
Muhlenbergia porteri
M. polycaulis
M. lindheimeri
M. dubia
Myrica cerifera

N

Needlegrass, finestem
 _____, Pringle
 Neptunia, yellow
 Nettle, bull
 Nightshade, false
 _____, silverleaf
 Noseburn

Stipa tenuissima
S. pringlei
Neptunia lutea
Cnidioscolus texanus
Chamaesaracha sordida
Solanum elaeagnifolium
Tragia ramosa

O

Oak
 _____, blackjack
 _____, cherrybark
 _____, chestnut
 _____, chinkapin
 _____, Emory
 _____, Gambel's
 _____, gray
 _____, Havard shin
 _____, live
 _____, overcup
 _____, post
 _____, sandjack
 _____, sand post
 _____, shin
 _____, silverleaf
 _____, southern red
 _____, swamp laurel
 _____, Texas
 _____, water
 _____, white
 _____, willow
 Ocotillo

Quercus spp.
Q. marilandica
Q. falcata var. *pogodaefolia*
Q. prinus
Q. muhlenbergii
Q. emoryi
Q. gambelii
Q. grisea
Q. havardii
Q. virginiana
Q. lyrata
Q. stellata
Q. incana
Q. margaretta
Q. sinuata var. *breviloba*
Q. hypoleucoides
Q. falcata
Q. laurifolia
Q. texana
Q. nigra
Q. alba
Q. phellos
Fouquieria splendens

Olive, desert
Oxalis, largeleaf
_____, shrubby

Palmella
Palmetto, bush
Paloverde
Panic, Halls
Panicum, beaked
Pappusgrass, pink
Parsley, prairie
Paspalum, brownseed
_____, sand
_____, seashore
_____, single-spike
_____, water
Pecan
Pellitory
Pennywort, water
Pepperweed
Persimmon, common
_____, Mexican
Pickerelweed
Pine, loblolly
_____, longleaf
_____, pinyon
_____, ponderosa
_____, shortleaf
_____, southwestern white
Pitaya
Plum, Apache
_____, Chickasaw
Poison oak
Poppymallow, slim lobe
Possumhaw
Pricklyash, lime
Pricklypear
_____, grassland
_____, plains
_____, Texas
Purpletop
Purslane, sea

Rabbitbrush, southwest
Rabbit tobacco
Ragweed, field
_____, giant
_____, western
Ratany, range
Redbud
Redcedar, eastern
Reed, common
_____, giant
Rescuegrass

Forestiera angustifolia
Oxalis amplifolia
O. berlandieri

P

Yucca elata
Sabal minor
Cercidium texanum
Panicum hallii
P. anceps
Pappophorum bicolor
Polytaenia nuttallii
Paspalum plicatulum
P. setaceum
P. vaginatum
P. monostachyum
P. fluitans
Carya illinoensis
Parietaria pensylvanica
Hydrocotyle spp.
Lepidium spp.
Diospyros virginiana
D. texana
Pontederia cordata
Pinus taeda
P. palustris
P. cembroides
P. ponderosa
P. echinata
P. strobiformis
Echinocereus enneacanthus
Fallugia paradoxa
Prunus angustifolia
Rhus toxicodendron
Callirhoë involucreta var. *lineariloba*
Ilex decidua
Zanthoxylum fagara
Opuntia spp.
O. macrorhiza
O. polyacantha
O. lindheimeri
Tridens flavus
Sesuvium maritimum

R

Chrysothamnus pulchellus
Evax prolifera
Ambrosia confertiflora
A. trifida
A. psilostachya
Krameria glandulosa
Cercis canadensis
Juniperus virginiana
Phragmites communis
Arundo donax
Bromus unioloides

Retama
Rhomboid copperleaf
Ricegrass, pinyon
Rose, macartney
Rush, black
Rushpea
_____, James
_____, sickle pod

Sacahuista
Sacaton, alkali
_____, Wright's
St. Andrew's cross
St. John's-wort
Saltbush, Australian
_____, fourwing
Salt grass
_____, marsh
Sandlily
Saltcedar
Sandreed, big
Sandsage
Sandverbena, narrowleaf
_____, sweet
Sassafras
Scarletpea
Scurfpea
_____, lemon
Sea oats
Sea ox-eye
Sea rocket
Sedge, cedar
Seepwillow
Senna, two-leaved
Sensitive briar
_____, catclaw
Shoalgrass
Signalgrass, fringed
Silktassel, Lindheimer
_____, Wright's
Sida
_____, spreading
Skeletonleaf golden eye
Smutgrass
Snakeweed, broom
Sneezeweed, bitter
Snowberry, mountain
Soapberry
Sotol
Spectacle pod
Spikesedge
Spranglegrass
Spurge, prairie
_____, sand dune
Sumac
_____, desert
_____, evergreen

Parkinsonia aculeata
Acalypha rhomboidea
Piptochaetium fimbriatum
Rosa bracteata
Juncus roemerianus
Hoffmanseggia spp.
Caesalpinia jamesii
Hoffmanseggia drepanocarpa

S

Spartina spartinae
Sporobolus airoides
S. wrightii
Ascyrum hypericoides
Hypericum walteri
Atriplex semibaccata
A. canescens
Distichlis spicata var. *stricta*
D. spicata var. *spicata*
Mentzelia nuda
Tamarix spp.
Calamovilfa gigantea
Artemisia filifolia
Abronia angustifolia
A. fragrans
Sassafras albidum
Indigofera miniata
Psoralea spp.
P. lanceolata
Uniola paniculata
Borrichia frutescens
Cakile fusiformis
Carex planostachys
Baccharis glutinosa
Cassia roemeriana
Schrankia spp.
S. uncinata
Halodule beaudettei
Brachiaria ciliatissima
Garrya lindheimeri
G. wrightii
Sida spp.
S. filicaulis
Viguiera stenoloba
Sporobolus indicus
Xanthocephalum spp.
Helenium amarum
Symphoricarpos oreophilus
Sapindus saponaria
Dasyllirion spp.
Dithyrea wizlizenii
Eleocharis macrostachya
Chasmanthium sessiliflorum
Euphorbia missurica
E. carunculata
Rhus spp.
R. microphylla
R. virens

_____, flameleaf
_____, skunkbush
Sumpweed, coarse
Sunflower
_____, common
_____, Maximilian
_____, plains
_____, silverleaf
Supplejack
Sweetgum
Switchgrass
Sycamore

Tanglehead
Tarbush
Tasajillo
Tephrosia, Lindheimer
Three-awn
_____, purple
_____, red
_____, Roemer
Three-square, leafy
_____, Olneyi
Tickclover
Tobosa
Trichloris, two-flowered
Tridens, slim
Trumpet creeper
Trumpet currant
Tumblegrass
Tupelo, water

Vidrillos
Vine mesquite
Virginia creeper
Virgin's bower

Walnut
Waterlily, white
Water pennywort
Wheatgrass, western
Whitebrush
Widgeongrass
Wildrye, Canada
_____, Virginia
Willow, black
_____, desert
_____, Lindheimer's black
Windmillgrass
_____, hooded
Wintergrass, Texas
Wolfberry
_____, Berlandier

R. lanceolata
R. aromatica
Iva xanthifolia
Helianthus spp.
H. annuus
H. maximiliani
H. petiolaris
H. argophyllus
Berchemia scandens
Liquidambar styraciflua
Panicum virgatum
Platanus occidentalis

T

Heteropogon contortus
Flourensia cernua
Opuntia leptocaulis
Tephrosia lindheimeri
Aristida spp.
A. purpurea
A. longiseta
A. roemeriana
Scirpus robustus
S. olneyi
Desmodium spp.
Hilaria mutica
Trichloris crinita
Tridens muticus var. *muticus*
Campsis radicans
Ribes leptanthum
Schedonnardus paniculatus
Nyssa aquatica

V

Batis maritima
Panicum obtusum
Parthenocissus quinquefolia
Clematis virginiana

W

Juglans spp.
Nymphaea odorata
Hydrocotyle spp.
Agropyron smithii
Aloysia gratissima
Ruppia maritima
Elymus canadensis
E. virginicus
Salix nigra
Chilopsis linearis
Salix nigra var. *lindheimeri*
Chloris spp.
C. culcullata
Stipa leucotricha
Lycium spp.
L. berlandieri var. *berlandieri*

Woodsorrel
Woollywhite

Oxalis spp.
Hymenopappus spp.

Y

Yankeeweed
Yaupon
_____, desert
Yucca
_____, narrow leaf
_____, Torrey
_____, twist-leaf

Eupatorium compositifolium
Ilex vomitoria
Schaefferia cuneifolia
Yucca spp.
Y. angustifolia
Y. torreyi
Y. rupicola

Z

Zinnia

Zinnia grandiflora

