

FINAL REPORT

ANNOTATED CHECKLIST OF PLANTS
OF THE BONNET CARRE SPILLWAY

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This mimeograph report represents the final documentation by this writer of the flora in the Bonnet Carre Spillway, St. Charles Parish, Louisiana. Specimens have been collected by this writer from 1967 to present and distributed to various herbaria including LSU in Baton Rouge, Tulane University in New Orleans, SLU in Hammond, USL in Lafayette, LA Tech University in Ruston, Northeast LA University in Monroe and the National Herbarium, Smithsonian Institute.

This writer has had the opportunity to observe and document general, successional trends in the spillway for over 15 years. When I began intensive studies of the flora in 1967, the spillway had not been operated for 17 years. The weedy flora at that time was very different from that on the deposits of alluvium after each operation of the spillway. Operations of the spillway in 1973, 1975, 1979 and 1983 and the intervals between allowed me to study short-term effects on the flora and invasions of new plant species. Successional trends involving long-term studies have not been accomplished, due primarily to the activities of man.

A literature search includes species in the spillway as recorded by Clark (1970) and Howard and Penfound (1942). Plants on spillway guide levees were noted by Montz (1972). Species recorded during studies by Montz (1970, 1976, 1978a, 1979) in the spillway are included. No submerged aquatics were recorded in Lake Pontchartrain along the Bonnet Carre Spillway by Montz (1978b). A preliminary list of species in St. Charles Parish by Montz (1982) includes some species collected only in the Bonnet Carre Spillway. Plant specimens in the LSU, Tulane and USL herbaria were examined in 1980-81 to document species collected in the Bonnet Carre Spillway.

The spillway acts as a catch basin during operations when floodwaters are released from the Mississippi River into Lake Pontchartrain. The introduction of seeds, rhizomes and other plant propagules permits establishment of new species and this ever-changing environment can be expected to continue.

Several rare species collected in the spillway should be mentioned. *Cyperus distinctus*, reported by Kessler (1983), is new to the state. *Aeschynomene americana*, reported by Lasseigne (1973) in St. Mary Parish is a St. Charles parish record. *Rottboellia exaltata* was reported by Allen (1980) from St. Tammany, Pointe Coupee, St. Martin and Lafayette Parishes. *Sporobolus cryptandrus* was reported by Allen (1980) from Pointe Coupee, Ouachita, Red River, Bossier and Caddo parishes and this represents a southern disjunction. *Equisetum ferrissii* was reported by Theriet (1980) from Caddo, Natchitoches and St. Charles parishes. *Rorippa heterophylla* has been reported from Orleans and Rapides parishes by Darwin, Sundell and Bradburn (1981).

Other rare species collected by this writer in the spillway include *Echinodorus rostratus*, *Rhus copallina*, *Apocynum cannabinum*, *Artemisia annua*, *Impatiens capensis*, *Camelina microcarpa*, *Lobelia cardinalis*, *Scirpus cyperinus*, *Gleditsia aquatica*, *Sassafras albidum*, *Cortaderia selloana*, *Lilaeopsis caroliniensis*, *Rumex paraguayensis* and *Myosurus minimus*.

These observations represent my recent subjective analyses on the flora of the spillway. Several of these weedy species which I have collected and considered as rare have represented small populations which have become established near the river only to be flooded and killed the following year.

Manuals used during preparation of this report include Correll and Johnston (1970), Fernald (1950), Gleason (1968), Hitchcock (1950), Radford, Ahles and Bell (1968) and Small (1933). Other sources include Allen (1980), Lasseigne (1973) and Theriet (1980). Nomenclature follows that of Thomas and Allen (1982,1984).

Taxonomic categories include 98 families, 313 genera and 565 species. The three largest families present are the Poaceae (89 species), Asteraceae (64 species) and Cyperaceae (46 species).

This annotated checklist was prepared to add to our knowledge of the Louisiana flora. It represents a final floristic survey by this writer for this area.

Appreciation is extended to the late Dr. Clair A. Brown, LSU, for inspiring this writer to complete studies such as this; to Dr. Charles Allen, LSU in Eunice, Dr. Steven Darwin, Tulane University, and Dr. R. Dale Thomas, Northeast LA University, for assistance in determining several specimens; to the curators of the LSU, Tulane and USL herbaria for permitting me to use their facilities during this study; to my wife, Judy, and children, Jason and Jennifer, for their patience and encouragement during many hours spent to complete this project; and to Ms. Judy Frilot for struggling with scientific names while typing this report.

ANNOTATED CHECKLIST

ACANTHACEAE

Justica lanceolata (Chapm.) Small. Water willow, bottomland hardwoods, abundant, GNM.

Ruellia nudiflora (Gray) Urban. Wild petunia, weed, infrequent, GNM.

ACERACEAE

Acer negundo L. Boxelder, bottomland hardwoods, abundant, GNM.

Acer rubrum L. variety *drummondii* (H.&A.) Sarg. Drummond red maple, cypress-tupelogum swamps and bottomland hardwoods, abundant, GNM.

AIZOACEAE

Mollugo verticillata L. Carpetweed, weed, sandy areas, abundant, GNM.

ALISMATACEAE

Echinodorus cordifolius (L.) Griseb. Creeping burhead, wet areas, infrequent, GNM.

Echinodorus rostratus (Nutt.) Engelm. Upright burhead, sandy area, rare, GNM.

Sagittaria graminea Michx. Slender arrowhead, wet areas, common, GNM.

Sagittaria lancifolia L. (*S. falcata* Pursh.) Bulltongue, wet areas, common, GNM.

Sagittaria latifolia Willd. Duckpotato, wet areas, common, GNM.

Sagittaria montevidensis Cham. & Schl. ssp. *calycina* (Engelm.) Bogin. Hooded arrowhead, wet areas, common, GNM.

Sagittaria platphylla Engelm. Delta duckpotato, wet areas, abundant, GNM.

AMARANTHACEAE

Acnida cuspidata Spreng. Southern waterhemp, weedy and wet areas, abundant, GNM.

Acnida tamariscina (Nutt.) Wood. Nuttall waterhemp. weedy and wet areas, abundant, GNM.

Alternanthera philoxeroides (Mart.) Griseb. Alligatorweed, weedy and wet areas, abundant, GNM.

Amaranthus deflexus L. Pigweed, reported by Howard and Penfound (1942).
Amaranthus hybridus L. Green amaranth, weed, abundant, GNM.
Amaranthus spinosus L. Spiny pigweed, weed, infrequent, GNM.
Amaranthus tuberculatus (Moq.) J.D. Sauer. Pigweed, Tulane Herbarium.
Amaranthus viridis L. Pigweed, weed, abundant, GNM.
Iresine rhizomatosa Standl. Rootstock bloodleaf, weedy areas and bottomland hardwoods, infrequent, GNM.

AMARYLLIDACEAE

Crinum americanum L. Swamp lily, wet areas, infrequent, GNM.
Hymenocallis caroliniana (L.) Herb. (*H. occidentalis* (LeConte) Kunth).
Spider lily, wet areas, common, GNM.
Zephranthes candida (Lindl.) Herb. White rain-lily, cultivated and escaping, GNM.

ANACARDIACEAE

Rhus copallina L. Winged sumac, along railroad spoilbank near lake, rare, GNM.
Rhus radicans L. Poison ivy, bottomland hardwoods and weedy areas, abundant, GNM.

APIACEAE

Apium leptophyllum (Pers.) F. Mueller. Marsh parsley, weedy and wet areas, abundant, GNM.
Bowlesia incana R. & P. (*B. septentrionalis* C. & R.) *Bowlesia*, weed, infrequent, GNM.
Chaerophyllum tainturieri Hooker. Wild chervil, weed, abundant, GNM.
Cicuta maculata L. Water hemlock, wet areas and bottomland hardwoods, infrequent, GNM.
Cicuta mexicana C. & R. Mexican water hemlock, wet areas and bottomland hardwoods, infrequent, GNM.
Hydrocotyle ranunculoides L.f. Waterpennywort, wet areas, common, GNM.
Hydrocotyle umbellata L. Umbrella pennywort, weedy and wet areas, common, GNM.
Hydrocotyle verticillata Thunb. Whorled pennywort, weedy and wet areas, abundant, GNM.

Lilaeopsis caroliniensis C. & R. Carolina lilaeopsis, wet areas, rare, GNM.

Ptilimnium capillaceum (Michx.) Raf. Mock bishopweed, weedy and wet areas, abundant, GNM.

Sanicula canadensis L. Black snakeroot, bottomland hardwoods and weedy areas, abundant, GNM.

Torilis arvensis (Hudson) Link. Hedge parsley, weed, rare, GNM.

Trepocarpus aethusae Nutt. Trepocarpus, bottomland hardwoods, infrequent, GNM.

APOCYNACEAE

Apocynum cannabinum L. Indian hemp, weedy areas near river, rare, GNM.

Trachelospermum difforme (Walt.) Gray. Climbing dogbane, reported by Howard and Penfound (1942), No specimen in Tulane Herbarium.

AQUIFOLIACEAE

Ilex decidua Walt. Deciduous holly, bottomland hardwoods, abundant, GNM.

ARACEAE

Colocasia antiquorum Schott. Elephants ear, cultivated, wet areas, common, GNM.

ARECACEAE

Sabal minor (Jacq.) Pers. Palmetto, bottomland hardwoods and cypress-tupelogram swamps, abundant, GNM.

ASCLEPIADACEAE

Asclepias incarnata L. Swamp milkweed, bottomland hardwoods and cypress-tupelogram swamps, infrequent, GNM.

Asclepias perennis Walt. Swamp milkweed, bottomland hardwoods and cypress-tupelogram swamps, common, GNM.

Cynanchum laeve (Michx.) Pers. Blue vine, bottomland hardwoods and weedy areas, infrequent, GNM.

Matelea gonocarpa (Walt.) Shinnars. (*M. suberosa* (L.) Shinnars.) Trailing spiny pod, bottomland hardwoods and weedy areas, abundant, GNM.

ASPLENIACEAE

- Thelypteris dentata* (Forsk.) E. St. John. Shield fern, bottomland hardwoods, infrequent, GNM.
- Thelypteris kunthii* (Desv.) Morton (*T. normalis* (C. Chr.) Moxley.) Southern shield fern, bottomland hardwoods, abundant, GNM.
- Thelypteris palustris* Schott var. *haleana* Fern. Southern marsh fern, swamps, common, GNM.
- Thelypteris X versicolor* R. St. John. St. John's shield fern, bottomland hardwoods, infrequent, GNM.

ASTERACEAE

- Ageratum altissima* (L.) King & Robn. *Ageratum*, weed, common, GNM.
- Ambrosia artemisiifolia* L. Common ragweed, weed, abundant, GNM.
- Ambrosia trifida* L. Giant ragweed, weed, abundant, GNM.
- Anthemis cotula* L. Mayweed, weed, infrequent, GNM.
- Artemisia annua* L. Sweet wormwood, weed, rare, GNM.
- Aster dumosus* L. Bushy aster, weed, common, GNM.
- Aster lateriflorus* (L.) Britt. White aster, weed, abundant, GNM.
- Aster praealtus* Poir. Aster, Weed, common, GNM.
- Aster praealtus X dumosus*. Aster, weed, infrequent, GNM.
- Aster subulatus* Michx. var. *subulatus* Annual saltmarsh aster, bottomland hardwoods and weedy areas, abundant, GNM.
- Aster subulatus* Michx. var. *ligulatus* shiners (*A. exilis* Ell.) Saltmarsh aster, weedy and wet areas, abundant GNM.
- Baccharis halimifolia* L. Eastern baccharis, bottomland hardwoods, cypress-tupelogum swamps, and weedy areas, abundant, GNM.
- Bidens bipinnata* L. Spanish needles, weed, common, GNM.
- Bidens cernua* L. Beggarticks, weed, common, GNM.
- Bidens dioscoidea* (T. & G.) Britt. Beggarticks, weed, common, GNM.

Bidens frondosa L. Beggarticks, weed, common, GNM.
Bidens pilosa L. Spanish needle, weed, common, GNM.
Boltonia diffusa Ell. Boltonia, weedy and wet areas, common,
 GNM.
Calyptocarpus vialis Less. Calyptocarpus, weed, abundant, GNM.
Cirsium horridulum Michx. Spiny thistle, weed, abundant, GNM.
Conza bonariensis (L.) Cronq. (*Erigeron bonariensis* L.) Daisy fleabane,
 weed, abundant, GNM.
Conza canadensis (L.) Cronq. (*Erigeron canadensis* L.) Horseweed,
 weed, abundant, GNM.
Coreopsis tinctoria Nutt. Garden tickweed, weed, infrequent, GNM.
Dracopsis amplexicaulis (Vahl) Cass. (*Rudbeckia amplexicaulis* Vahl)
 Black-eyed susan, weed, abundant, GNM.
Eclipta alba (L.) Hasskarl. Eclipta, weedy and wet areas, abundant,
 GNM.
Elephantopus caroliniensis Raeusch. Elephants foot, bottomland hardwoods
 and weedy areas, common, GNM.
Erechtites hieracifolia (L.) Raf. Fireweed, weed, common, GNM.
Erigeron philadelphicus L. Daisy fleabane, weed, abundant, GNM.
Eupatorium capillifolium (Lam.) Small. Yankeeweed, weed, abundant,
 GNM.
Eupatorium coelestinum L. Mistflower, weedy areas and bottomland hardwoods,
 abundant, GNM.
Eupatorium incarnatum Walt. Boneset, weed, common, GNM.
Eupatorium rugosum Houttuyn. Thoroughwort, weed, abundant, GNM.
Eupatorium serotinum Michx. Late Flowering thoroughwort, weed, abundant,
 GNM.
Gnaphalium purpureum L. Cudweed, weed, abundant, GNM.
Helenium amarum (Raf.) H. Rock. Bitterweed, weed, common, GNM.
Helenium autumnale L. Sneezeweed, weed, infrequent, GNM.
Helianthus debilis Nutt. var. *cucumerifolius* (T. & G.) Gray. Sunflower,
 weed, infrequent, GNM.

Heterotheca latifolia Buckl. Golden aster, weed, common, GNM.
Heterotheca subaxillaris (Lam.) Britt. & Rusby Golden aster, weed,
abundant, GNM.
Hypochoeris brasiliensis (Less.) H. & A., Cats ear, weed, common, GNM.
Iva annua L. Sumpweed, weed, abundant, GNM.
Iva frutescens L. Marsh elder, lakeshore, abundant, GNM.
Krigia oppositifolia Raf. Dwarf dandelion, weed, abundant, GNM.
Lactuca canadensis L. Wild lettuce, weed, infrequent, GNM.
Lactuca floridana (L.) Gaertn. Wild lettuce, weed, abundant, GNM.
Mikania scandens (L.) Willd. Climbing hempweed, bottomland hardwoods,
weedy and wet areas, abundant, GNM.
Parthenium hysterophorus L. Santa maria, weed, abundant, GNM.
Pluchea camphorata (L.) DC. Camphor weed, weedy and wet areas, abundant,
GNM.
Pluchea odorata (L.) Cass. (*P. purpurascens* (SW.) DC.) Saltmarsh pluchea,
weedy and wet areas, abundant, GNM.
Polymnia uvedalia (L.) L. Bears foot, weed, infrequent, GNM.
Pyrrophappus carolinianus (Walt.) DC. False dandelion, weed, abundant,
GNM.
Senecio glabellus Poiret Butterweed, weedy and wet areas, abundant, GNM.
Solidago canadensis L. (*S. altissima* L.) Goldenrod, weed, abundant, GNM.
Solidago sempervirens L. Var. *mexicana* (L.) Fern. Seaside goldenrod,
bottomland hardwoods and weedy areas, abundant, GNM.
Soliva anthemifolia (Juss.) Lessing Burweed, weed, infrequent, GNM.
Soliva pterosperma (Juss.) Lessing. Burweed, weed, common, GNM.
Sonchus asper (L.) Hill. Spiny leaved sowthistle, weed, abundant, GNM.
Sonchus oleraceus L. Sowthistle, weed, abundant, GNM.
Spilanthes americana (Mutis) Hieron. Creeping spilanthes, weedy and
wet areas, abundant, GNM.
Taraxacum officinale Wiggers. Dandelion, weed, abundant, GNM.

Verbesina virginica L. Virginia crownbeard, weed, common, GNM.

Vernonia gigantea (Walt.) Trel. ex Branner & Couille (*V. altissima* Nutt.) Ironweed, weed, abundant, GNM.

Xanthium strumarium L. Cocklebur, weed, abundant, GNM.

Youngia japonica (L.) DC. (*Crepis japonica* (L.)) Benth. Hawks beard, weed, abundant, GNM.

AZOLLACEAE

Azolla caroliniana Willd. Mosquito fern, waterways, common, GNM.

BALSAMINACEAE

Impatiens capensis Meerb. Touch-me-not, bottomland hardwoods, rare, GNM.

BIGNONIACEAE

Bignonia capreolata L. (*Anisostichus capreolata* (L.) Bureau) Cross vine, bottomland hardwoods and weedy areas, common, GNM.

Campsis radicans (L.) Seeman Trumpet creeper, bottomland hardwoods and weedy areas, abundant, GNM.

BORAGINACEAE

Heliotropium europaeum L. Heliotrope, weed, abundant, GNM.

Heliotropium indicum L. Turnsole, weed, common, GNM.

Myosotis macrosperma Engelm. Forget-me-not, weed, abundant, GNM.

BRASSICACEAE

Brassica juncea Cosson Broad leaf mustard, escape, common, GNM.

Brassica nigra (L.) Koch. Black mustard, escape, common, GNM.

Camelina microcarpa Andr. ex DC. False flax, weed, rare, GNM.

Capsella bursa-pastoris (L.) Medicus Shepherd's purse, weed, common, GNM.

Cardamine parviflora L. Bittercress, weed, common, GNM.

Cardamine pennsylvanica Muhl. ex Willd. Pennsylvanica bittercress, weed, abundant, GNM.

Coronopus didymus (L.) Smith Watercress, weed, common, GNM.

- Lepidium densiflorum* Sch. Peppergrass, weed, infrequent near river, GNM.
- Lepidium virginicum* L. Poor man's peppergrass, weed, abundant, GNM.
- Rorippa heterophylla* (Blume) Williams, Yellow cress, weed, rare only near river, GNM.
- Rorippa palustris* (L.) Bess. (*R. islandica* (Order) Borbas) Bog marshcress, weedy and wet areas, abundant, GNM.
- Rorippa sessiflora* (Nutt.) Hitchc. Yellow cress, weedy and wet areas, abundant, GNM.
- Rorippa sylvestris* (L.) Besser. Yellow cress, weedy areas, abundant, GNM.
- Thlaspi arvense* L. Frenchweed, weedy areas, infrequent, GNM.

BROMELIACEAE

- Tillandsia usneoides* (L.) L. Spanish moss, on many trees, abundant, GNM.

CAMPANULACEAE

- Lobelia cardinalis* L. Cardinal flower, swamps, rare, GNM.
- Lobelia spihilitica* L. Big blue lobelia, weedy, infrequent, GNM.
- Sphenoclea zeylandica* Gaertn. Gooseweed, wet areas, abundant, GNM.
- Triodanis biflora* (R. & P.) Greene Venus looking glass, weed, abundant, GNM.
- Triodanis perfoliata* (L.) Nieuwl. Venus looking glass, weed, abundant, GNM.

CANNACEAE

- Canna indica* L. Indian shot, cultivated and escape, GNM.

CAPRIFOLIACEAE

- Lonicera japonica* Thunb. Japanese honeysuckle, weed, abundant, GNM.
- Sambucus canadensis* L. Elderberry, bottomland hardwoods, found above average flood stages, abundant, GNM.

CARYOPHYLLACEAE

- Cerastium glomeratum* L. Mouse-ear chickweed, weed, abundant, GNM.
- Sagina decumbens* (Ell.) T. & G. Pearlwort, weed, infrequent, GNM.
- Silene antirrhina* L. Catchfly, weed, infrequent, GNM.
- Stellaria media* (L.) Cyrillo Common chickweed, weed, abundant, GNM.

CERATOPHYLLACEAE

Ceratophyllum demersum L. Coontail, aquatic, abundant, GNM.

CHENOPODIACEAE

Chenopodium album L. Lamb's quarters, weed, abundant, GNM.

Chenopodium ambrosioides L. Mexican tea, weed, abundant, GNM.

Chenopodium graveolens. Lag & Rodr. (*C. incisum* Poir.) Goosefoot, weed
common, GNM.

COMMELINACEAE

Commelina diffusa Burman f. Spreading dayflower, dry woods and weedy areas,
common, GNM.

Commelina virginica L. Virginia dayflower, bottomland hardwoods and swamps,
abundant, GNM.

Tradescantia ohiensis Raf. Spiderwort, cultivated, dry woods, abundant, GNM.

CONVOLVULACEAE

Calystegia sepium (L.) R. Brown Bindweed, weedy and wet areas and dry woods,
common, GNM.

Cuscuta campestris Yuncker Dodder, parasite, common, GNM.

Dichondra caroliniensis Michx. Dichondra, weed, abundant, GNM.

Ipomoea acuminata (Vahl) R. & S. (*I. Congesta* R. Br.) Morning glory, weed,
abundant, GNM.

Ipomoea coccinea L. Morning glory, weed, abundant, GNM.

Ipomoea hederacea Jacquin Morning glory, weed, abundant, GNM.

Ipomoea lacunosa L. Common morning glory, weed, abundant, GNM.

Ipomoea sagittata Poir. Saltmarsh morning glory, along lakeshore, infrequent,
GNM.

Ipomoea trichocarpa Ell. Morning glory, weed, abundant, GNM.

Jacquemontia tamnifolia (L.) Griseb. Tie vine, bottomland hardwoods and
weedy areas, abundant, GNM.

CORNACEAE

Cornus drummondii Meyer Roughleaf dogwood, bottomland hardwoods, abundant,
GNM.

CUCURBITACEAE

- Citrullus vulgaris* Schrad. Watermelon, cultivated and escaping, GNM.
Cucumis melo L. var. *dudaim* Naud. Smell melon, weed, common, GNM.
Melothria pendula L. Creeping cucumber, bottomland hardwoods, common, GNM.
Sicyos angulatus L. Bur cucumber, weed, common, GNM.

CYPERACEAE

- Carex cephalophora* Muhl. ex Willd. Carex, weed, abundant, GNM.
Carex cherokeensis Schw. Carex, weed, abundant, GNM.
Carex crus-corvi Shuttlw. ex Kunze. Crow-spur, wet areas, abundant, GNM.
Carex festucacea Schk. ex Willd. Carex, weed, common, GNM.
Carex frankii Kunth Carex, weed, abundant, GNM.
Carex hyalinolepis Steud. Lake sedge, wet areas, abundant, GNM.
Carex muhlenbergii Schk. Carex, weed, abundant, GNM.
Carex tribuloides Wahl. Carex, weed, abundant, GNM.
Cyperus aristatus Rottb. Cyperus, sandy areas, common, GNM.
Cyperus brevifolius (Rottb.) Endl. ex Hassk. Cyperus, weed, abundant,
GNM.
Cyperus compressus L. Flat Cyperus, weedy and wet areas, abundant, GNM.
Cyperus distinctus Steud. Cyperus, sandy soil, rare, GNM, reported by
Kessler (1983).
Cyperus elegans L. Cyperus, weedy and wet areas, abundant, GNM.
Cyperus erythrorhizos Muhl. Redroot cyperus, weedy and wet areas, abundant,
GNM.
Cyperus esculentus L. Yellow nutgrass, weed, abundant, GNM.
Cyperus filiculmis Vahl. Cyperus, reported by Howard & Penfound (1942).
Cyperus globulosus Aubl. Cyperus, weed, common, GNM.
Cyperus iria L. Cyperus, weedy and wet areas, abundant, GNM.
Cyperus odoratus L. Marsh cyperus, weedy and wet areas, abundant, GNM.

Cyperus ovularis (Michx.) Torr. Cyperus, weed, common, GNM.
Cyperus oxylepis Nees ex Steud. Cyperus, wet areas, common, GNM.
Cyperus polystachyos Rottb. var. *texensis* (Torr.) Fern. Cyperus, sandy areas, common, GNM.
Cyperus pseudovegetus Steud. Cyperus, weed, abundant, GNM.
Cyperus rotundus L. Nutgrass, weed, abundant, GNM.
Cyperus strigosus L. Cyperus, weed, common, GNM.
Cyperus surinamensis Rottb. Cyperus, weed, common, GNM.
Cyperus virens Michx. Flat sedge, weedy and wet areas, abundant, GNM.
Dichromena colorata (L.) Hitchc. Whitetop, weedy and wet areas, common, GNM.
Eleocharis fallax Weatherby Spikerush, wet areas, common, GNM.
Eleocharis montana (HBK) R. & S. Spikerush, deposited at Tulane.
Eleocharis montevidensis Kunth Spikerush, weedy and wet areas, abundant, GNM.
Eleocharis obtusa (Willd.) Schult. Blunt spikerush, sandy areas, common, GNM.
Eleocharis parvula (R. & S.) Link. ex Buff. Dwarf spikerush, wet areas, infrequent, in water connected to lake, GNM.
Fimbristylis autumnalis (L.) R. & S. Fimbristylis, sandy areas, abundant, GNM.
Fimbristylis dichotoma (L.) Vahl. Fimbristylis, reported by Howard & Penfound (1942).
Fimbristylis miliacea (L.) Vahl. Fimbristylis, sandy areas, infrequent, GNM.
Fimbristylis vahlia (Lam.) Link Fimbristylis, sandy areas, abundant, GNM.
Fuirena pumila Torr. Hairy umbrella sedge, LSU Herbarium.
Fuirena simplex Vahl. Hairy umbrella sedge, sandy areas, infrequent, GNM.
Fuirena squarrosa Michx. Hairy umbrella sedge, sandy areas, infrequent, GNM.

Rhynchospora corniculata (Lam.) Gray Beak rush, weedy and wet areas, abundant,
GNM.

Scirpus atrovirens Willd. Bulrush, sandy areas, infrequent, GNM.

Scirpus cyperinus (L.) Kunth. Wool-grass, wet areas, rare, GNM.

Scirpus lineatus Michx. Bulrush, wet areas, infrequent, GNM.

Scirpus maritimus L. Var. *maritimus* (*S. robustus* Pursh) Leafy threesquare,
lakeshore, infrequent, GNM.

Scirpus validus Vahl. Softstem bulrush, wet areas, common, GNM.

EBENACEAE

Diospyros virginiana L. Common persimmon, bottomland hardwoods, common, GNM.

EQUISETACEAE

Equisetum X ferrissii Clute Ferris's horsetail, sandy areas, rare, GNM,
reported by Thieret (1980).

Equisetum hyemale L. var. *affine* (Engelm.) A.A. Eat. Tall horsetail, sandy
areas, abundant, GNM.

EUPHORBICEAE

Acalypha ostryaefolia Riddell Three-seeded mercury, weed, common, GNM.

Acalypha rhomboidea Raf. Three-seeded mercury, weed, abundant, GNM.

Caperonia palustris (L.) St. Hill *Caperonia*, weed, common, GNM.

Croton capitatus Michx. Wolly croton, weed, abundant, GNM.

Croton glandulosus L. Croton, weed, common, GNM.

Euphorbia dentata Michx. Summer poinsetta, weed, infrequent, GNM.

Euphorbia heterophylla L. Wild poinsetta, weed, common, GNM.

Euphorbia humistrata Engelm. ex Gray. Spurge, weed, abundant, GNM.

Euphorbia maculata L. Spurge, weed, abundant, GNM.

Euphorbia nutans Lag. Spurge, weed, common, GNM.

Phyllanthus urinaria L. Leaf-flower, weed, abundant, GNM.

Sapium sebiferum (L.) Roxb. Chinese tallow tree, bottomland hardwoods,
abundant, GNM.

FABACEAE

Acacia smallii Isley (*A. farnesiana* (L.) Willd.) Sweet acacia, weedy
areas, common, GNM.

Aeschynomene americana L. Hairy jointvetch, weed, rare near river, GNM.
Aeschynomene indica L. Jointvetch, weedy and wet areas, abundant, GNM.
Albizzia julibrissin Durazzini Mimosa, cultivated and escaping, GNM.
Amorpha fruticosa L. Leadplant, near river, infrequent, GNM.
Apios americana Medicus Hog peanut, bottomland hardwoods, common, GNM.
Cassia fasciculata Michx. Partridge pea, weed, infrequent, GNM.
Cassia obtusifolia L. Sicklepod, weed, common, GNM.
Daubentonia drummondii Rydb. Rattlebox, weedy and wet areas, abundant, GNM.
Desmanthus illinoensis (Michx.) MacM. Prairie mimosa, weed, abundant, GNM.
Desmodium paniculatum (L.) DC. Beggar's ticks, weedy areas, abundant, GNM.
Gleditsia aquatica Marshall Waterlocust, bottomland hardwoods, rare near lake, GNM.
Gleditsia triacanthos L. Honeylocust, bottomland hardwoods, infrequent, GNM.
Glycine max (L.) Merrill Soybean, cultivated and escaping, GNM.
Medicago arabica (L.) Hudson Spotted bur clover, weed, abundant, GNM.
Medicago lupulina L. Black medic, weed, abundant, GNM.
Medicago polymorpha L. Bur clover, weed, abundant, GNM.
Melilotus alba Desv. Sweet clover, weed, infrequent, GNM.
Melilotus indica (L.) All. Yellow sour clover, weed, abundant, GNM.
Mimosa strigillosa T. & G. Sensitive plant, weed, abundant, GNM.
Rhynchosia minima (L.) DC. Snout bean, weedy areas, common, GNM.
Sesbania macrocarpa Muhl. (*S. exaltata* (Raf.) Rydb.) Coffeeweed, weedy and wet areas, abundant, GNM.
Strophostyles helvola (L.) Ell. Wild bean, weed, abundant, GNM.
Trifolium campestre Schreb. Big hop clover, weed, common, GNM.
Trifolium dubium Sibthorp. Little hop clover, weed, common, GNM.
Trifolium pratense L. Red clover, weed, common, GNM.
Trifolium repens L. White clover, weed, abundant, GNM.

Trifolium resupinatum L. Reverse clover, weed, abundant, GNM.

Vicia angustifolia L. Narrow-leaved vetch, weed, common, GNM.

Vicia ludoviciana Nutt. Common vetch, weed, abundant, GNM.

Vigna luteola (Jacq.) Benth. Deerpea, weedy and wet areas, abundant,
GNM.

FAGACEAE

Quercus falcata Michx. var. *pagodaefolia* Ell. Cherrybark oak, bottomland
hardwoods, common, GNM.

Quercus laurifolia Michx. Laurel oak, bottomland hardwoods, abundant, GNM.

Quercus lyrata Walt. Overcup oak, bottomland hardwoods, abundant, GNM.

Quercus nigra L. Water oak, bottomland hardwoods, abundant, GNM.

Quercus nuttallii Palmer Nuttall oak, bottomland hardwoods, abundant,
GNM.

Quercus obtusa (Willd.) Pursh Obtusa oak, bottomland hardwoods, abundant,
GNM.

Quercus phellos L. Willow oak, bottomland hardwoods, infrequent, GNM.

Quercus virginiana Miller Live oak, bottomland hardwoods, common, GNM.

FUMARIACEAE

Corydalis micrantha (Engelm.) Gray subsp. *australis* (Chapm.) Ownbey Golden
corydalis, LSU Herbarium.

GENTIANACEAE

Eustoma exaltatum (L.) G. Don. Catchfly-gentian, weedy and wet areas,
infrequent, GNM.

Sabatia calycina (Lam.) Heller Coast rose-gentian, bottomland hardwoods,
infrequent, GNM.

GERANIACEAE

Geranium carolinianum L. Wild geranium, weed, abundant, GNM.

HALORAGACEAE

Myriophyllum brasilinense Camb. Parrotfeather, ditches, infrequent, GNM.

HAMAMELIDACEAE

Liquidambar styraciflua L. Sweetgum, bottomland hardwoods, abundant, GNM.

HYPERICACEAE

Ascyrum hypericoides L. St. Andrew's cross, bottomland hardwoods, infrequent, GNM.

Hypericum mutilum L. St. Johnswort, wet areas, infrequent, GNM.

IRIDACEAE

Iris fulva Ker.-Gawl. Copper-colored iris, wet areas, infrequent, GNM.

Iris giganticaerulea Small Giant-blue iris, wet areas, common, GNM.

Iris virginica L. Southern blue-flag, wet areas, common, GNM.

Sisyrinchium angustifolium Mill. Blue-eyed grass, weed, common, GNM.

Sisyrinchium rosulatum Michx. Blue-eyed grass, weed, abundant, GNM.

JUGLANDACEAE

Carya aquatica (Michx. f) Nutt. Bitter pecan, bottomland hardwoods, infrequent, GNM.

Carya illinoensis (Wang.) K. Koch Pecan, cultivated and bottomland hardwoods, abundant, GNM.

JUNCACEAE

Juncus acuminatus Michx. Rush, sandy and wet areas, common, GNM.

Juncus biflorus Ell. Rush, sandy and wet areas, common, GNM.

Juncus bufonis L. Toad rush, sandy and wet areas, abundant, GNM.

Juncus dichotomus Ell. Rush, sandy and wet areas, abundant, GNM.

Juncus diffusissimus Buckl. Rush, sandy and wet areas, abundant, GNM.

Juncus effusus L. Soft rush, wet areas, abundant, GNM.

Juncus megacephalus M.A. Curtis Rush, sandy and wet areas, common, GNM.

Juncus polycephalus Michx. Rush, sandy and wet areas, common, GNM.

Juncus scirpoides Lam. Rush, sandy and wet areas, common, GNM.

Juncus tenuis Willd. Path rush, sandy areas, abundant, GNM.

LAMIACEAE

Lamium amplexicaule L. Henbit, weed, abundant, GNM.

Lycopus virginicus L. Virginia bungleweed, wet areas, infrequent, GNM.

Monarda punctata L. Horsemint, weed, common, GNM.
Prunella vulgaris L. Self heal, weed, infrequent, GNM.
Salvia coccinea L. Red salvia, cultivated and escaping, GNM.
Salvia lyrata L. Lyre-leaved sage, weed, common, GNM.
Stachys crenata Raf. Hedge nettle, weed, abundant, GNM.
Stachys tenuifolia Willd. Hedge nettle, weed, abundant, GNM.
Teucrium canadense L. American germander, bottomland hardwoods,
abundant, GNM.

LAURACEAE

Sassafras albidum (Nutt.) Ness Sassafras, spoilbank along railroad,
rare, GNM.

LEMNACEAE

Lemna minor L. Common duckweed, waterways, abundant, GNM, reported
by Clark (1970).
Spirodela polyrrhiza (L.) Schleid Great duckweed, deposited at USL,
reported by Clark (1970).
Spirodela punctata (Meyer) Thomp. Spirodela, waterways, abundant, GNM.
Wolffia columbiana Karst. Watermeal, waterways, abundant, GNM.
Wolffiella floridana (J.D. Smith) Thomp. Eastern wolffiella, waterways,
abundant, GNM, reported by Clark (1970).
Wolffiella oblonga (Phil.) Hegelm. Oblong wolffiella, deposited at USL,
reported by Clark (1970).

LILIACEAE

Allium canadense L. Wild onion, weed, abundant, GNM.
Nothoscordum bivalve (L.) Britt. False garlic, weed, infrequent, GNM.
Nothoscordum inodorum (Ait.) Nichols (*N. fragrans* (Ait) Nichols) False
garlic, weed, infrequent, GNM.
Smilax bona-nox L. Saw greenbriar, bottomland hardwoods, abundant, GNM.
Smilax glauca Walt. Cat greenbriar, bottomland hardwoods, infrequent, GNM.
Smilax rotundifolia L. Common greenbriar, bottomland hardwoods, abundant,
GNM.

LOGANIACEAE

Cynoctonum mitreola (L.) Britton Lax hornpod, weedy and wet areas, common, GNM.

Polypremum procumbens L. Polly-prim, weed, sandy areas, abundant, GNM.

LORANTHACEAE

Phoradendron tomentosum (DC.) Gray Mistletoe, parasite on American elm and sweetgum, common, GNM.

LYTHRACEAE

Ammannia coccinea Rottb. Toothcup, wet areas, abundant, GNM.

Lythrum alatum Pursh var *lanceolatum* (Ell.) Roth. (*L. lanceolatum* Ell.) Lanceleaf lythrum, wet places, abundant, GNM.

Lythrum lineare L. Saltmarsh lythrum, wet areas, abundant, GNM.

Rotala ramosior (L.) Koehne. Toothcup, wet areas, common, GNM.

MALVACEAE

Abutilon theophrastii Medicus Velvet-leaf, weed, common, GNM.

Hibiscus laevis All. (*H. militaris* Cav.) Halbert-leaved rose mallow, wet areas, infrequent, GNM.

Hibiscus lasiocarpus Cav. Marshmallow, wet areas, abundant, GNM.

Hibiscus moschuetos L. (*H. incanus* Wendl.) Marshmallow, wet areas, abundant, GNM.

Kosteletskya virginica (L.) Gray. Pink hibiscus, wet areas, abundant, GNM.

Malvastrum coromandelianum (L.) Garcke. Malvastrum, weed, infrequent, GNM.

Modiola caroliniana (L.) G. Don Carolina mallow, weed, abundant, GNM.

Sida acuta Burn f. Mallow, reported by Howard & Penfound (1942), no specimen in Tulane herbarium.

Sida rhombifolia L. Ironweed mallow, weed, abundant, GNM.

Sida spinosa L. Prickly mallow, weed, abundant, GNM.

MARSILEACEAE

Marsilea uncinata A. Br. Water clover, sandy areas, common, GNM.

MELIACEAE

Melia azedarach L. Chinaberry, cultivated and escaping, GNM.

MENISPERMACEAE

Cocculus carolinus (L.) DC. Redberried moonseed, bottomland hardwoods, common, GNM.

MORACEAE

Morus alba L. White mulberry, bottomland hardwoods and cultivated, GNM.

MYRICACEAE

Myrica cerifera L. Waxmyrtle, bottomland hardwoods, swamps, common, GNM.

NAJADACEAE

Najas guadalupensis (Sprengel) Magnus Southern naiad, waterways, abundant, GNM.

NYMPHAEACEAE

Cabomba caroliniana Gray Fanwort, aquatic, infrequent, GNM.

NYSSACEAE

Nyssa aquatica L. Tupelogum, swamps, abundant, GNM.

OLEACEAE

Forestiera acuminata (Michx.) Poiret Swamp-privet, swamps, common, GNM.

Fraxinus americana L. White ash, reported by Howard & Penfound (1942), no specimen in Tulane Herbarium.

Fraxinus caroliniana Miller Carolina ash, bottomland hardwoods and swamps, common, GNM.

Fraxinus pennsylvanica Marshall Green ash, bottomland hardwoods and swamps, abundant, GNM.

Fraxinus profunda Bush (*F. tomentosa* Britt.) Pumpkin ash, bottomland hardwoods and swamps, abundant, GNM.

ONAGRACEAE

Ludwigia decurrens Walt. Primrose-willow, wet areas, abundant, GNM.

Ludwigia glandulosa Walt. Primrose-willow, wet areas, common, GNM.

Ludwigia leptocarpa (Nutt.) Hara False loosestrife, wet areas, abundant, GNM.

Ludwigia octovalis (Jacq.) Raven Primrose-willow, wet areas, abundant, GNM.

Ludwigia palustris (L.) Ell. Marsh purslane, wet areas, abundant, GNM.

Ludwigia peploides (H.B.K.) Raven Floating waterprimrose, wet areas, abundant,
GNM.

Ludwigia repens Forst. Creeping primrose-willow, wet areas, infrequent, GNM.

Oenothera biennis L. Evening primrose, weed, common, GNM.

Oenothera laciniata Hill Evening primrose, weed, abundant, GNM.

Oenothera speciosa Nutt. Evening primrose, weed, abundant, GNM.

ORCHIDACEAE

Habenaria repens Nutt. Water-spider orchid, waterways on Eichhornia mats,
infrequent, GNM.

Spiranthes vernalis Engelm. & Gray Ladies tresses, weed, infrequent, GNM.

OXALIDACEAE

Oxalis corniculata L. Creeping wood sorrel, weed, common, GNM.

Oxalis corymbosa DC. Wood sorrel, cultivated and escaping, GNM.

Oxalis stricta L. Yellow wood sorrel, weed, abundant, GNM.

PASSIFLORACEAE

Passiflora incarnata L. Maypop, weed, abundant, GNM.

Passiflora lutea L. Yellow passion flower, weed, infrequent, GNM.

PHYTOLACCACEAE

Phytolacca americana L. Pokeweed, bottomland hardwoods and weedy areas,
infrequent, GNM.

PLANTAGINACEAE

Plantago major L. Common plantain, weed, abundant, GNM.

Plantago virginica L. Plantain, weed, abundant, GNM.

PLATANACEAE

Platanus occidentalis L. Sycamore, bottomland hardwoods, abundant, GNM.

POACEAE

Agrostis hyemalis (Walt.) B.S.P. Ticklegrass, weed, common, GNM.

Alopercurus carolinianus Walt. Carolina foxtail, weed, common, GNM.

Andropogon glomeratus (Walt.) B.S.P. Bushy beardgrass, weed, abundant, GNM.
Andropogon virginicus L. Broomsedge bluestem, weed, abundant, GNM.
Arthraxon hispidus (Thunb.) Makino Spear point arthraxon, weed, common, GNM.
Arundinaria gigantea (Walt.) Muhl. ssp. *gigantea*. Giant cane, bottomland hardwoods, infrequent, GNM.
Arundinaria gigantea (Walt.) Muhl. ssp. *teeta* (Walt.) McClure, (*A. tecta* (Walt.) Muhl.) Switchcane, bottomland hardwoods, infrequent, GNM.
Avena sativa L. Oats, cultivated and escaping, GNM.
Axonopus affinis Chase Carpetgrass, weed, cultivated, GNM.
Axonopus furcatus (Flugge) Hitchc. Big carpetgrass, weed, infrequent, GNM.
Brachiaria platyphylla (Griseb.) Nash Creeping brachiaria, weed, common, GNM.
Briza minor L. Quaking grass, weed, common, GNM.
Bromus unioloides H.B.K. Rescue grass, weed, abundant, GNM.
Cenchrus incertus M.A. Curtis Bur-grass, weed, infrequent, GNM.
Cortaderia selloana (Schult.) Aschers & Graebn. Pampus grass, cultivated, rare only one plant noted, GNM.
Cynodon dactylon (L.) Pers. Bermuda grass, weed, cultivated, abundant, GNM.
Dicanthelium commutatum (Schult.) Gould (*Panicum commutatum* Schult). Panic grass, bottomland hardwoods, common, GNM.
Dicanthelium dichotomum (L.) Gould. var. *dichotomum* (*Panicum dichotomum* L.) Panic grass, weedy areas, abundant, GNM.
Digitaria ciliaris (Retz.) Koel. (*D. adscendens* (H.B.K.) Henr.) Crabgrass, weed, abundant, GNM.
Digitaria ischaemum (Schreb.) Muhl. Crabgrass, weed, abundant, GNM.
Digitaria sanguinalis (L.) Scop. Crabgrass, weed, abundant, GNM.
Digitaria violascens Link Crabgrass, weed, common, GNM.
Echinochloa colonum (L.) Link Jungle rice, weedy and wet areas, abundant, GNM.
Echinochloa crusgalli (L.) Beauv. Wild millet, weedy and wet areas, abundant, GNM.
Echinochloa walteri (Pursh) Heller Walter's millet, wet areas, abundant, GNM.
Eleusine indica (L.) Gaertn. Goosegrass, weed, abundant, GNM.

Elymus virginicus L. Virginia wild rye, weed, abundant, GNM.
Eragrostis cilianensis (All.) Mosher Lovegrass, weed, common, GNM.
Eragrostis glomerata (Walt.) L.H. Dewey Pond lovegrass, weed, abundant, GNM.
Eragrostis hypnoides (Lam.) B.S.P. Creeping teal lovegrass, weed, abundant, GNM.
Eragrostis pectinacea (Michx.) Nees Lovegrass, weed, abundant, GNM.
Eragrostis poaeoides Beauv. ex R.&S. Lovegrass, weed, common, GNM.
Eragrostis reptans (Michx.) Nees Creeping lovegrass, weed, common, GNM.
Eragrostis spectabilis (Pursh) Steud. Lovegrass, weed, infrequent, GNM.
Erianthus giganteus (Walt.) Muhl. Sugarcane plumegrass, wet areas, abundant, GNM.
Festuca elatior L. Fescue grass, cultivated and escaping, common, GNM.
Hordeum pusillum Nutt. Little barley, weed, abundant, GNM.
Leersia lenticularis Michx. Catchfly cutgrass, marshes and wet areas, common, GNM.
Leersia oryzoides (L.) Sw. Rice cutgrass, marshes and wet areas, common, GNM.
Leersia virginica Willd. White grass, marshes and wet areas, common, GNM.
Leptochloa fascicularis (Lam.) Gray Bearded sprangletop, deposited at Tulane Herbarium.
Leptochloa filiformis (Lam.) Beauv. Red sprangletop, wet areas, common, GNM.
Leptochloa nealleyi Vasey Nealley sprangletop, wet areas, common, GNM.
Leptochloa panicoides (Presl) Hitchc. Sprangletop, wet areas, abundant, GNM.
Leptochloa uninervia (Presl.) Hitch. & Chase Mexican sprangletop, wet areas, abundant, GNM.
Lolium perenne L. Ryegrass, weedy areas, abundant, GNM.
Muhlenbergia scherberi Gmel. Nimblewill, weed, abundant, GNM.
Oplismenus setarius (Lam.) R. & S. Oak forest grass, bottomland hardwoods, abundant, GNM.
Panicum anceps Michx. Panic grass, weed, abundant, GNM.

Panicum capillare L. Witchgrass, weed, abundant, GNM.

Panicum dichotomiflorum Michx. Fall panicum, weedy areas, abundant, GNM.

Panicum gymnocarpon Ell. Broadleaf panicum, wet areas, abundant, GNM.

Panicum hians Ell. Gaping panic grass, weed, infrequent, GNM.

Panicum repens L. Dogtooth grass, marshes, weed, abundant, GNM.

Panicum rigidulum Nees Red-top panic grass, wet areas, abundant, GNM.

Paspalum conjugatum Berg. Paspalum, weed, abundant, GNM.

Paspalum dilatatum Poir. Dallis grass, weed, abundant, GNM.

Paspalum dissectum (L.) L. Mudbank paspalum, wet areas, common, GNM.

Paspalum distichum L. Knotgrass, weed, abundant, GNM.

Paspalum fluitans (Ell.) Kunth Water paspalum, wet areas, infrequent, GNM.

Paspalum laeve Michx. Paspalum, weed, infrequent, GNM.

Paspalum langei (Fourn.) Nash Paspalum, weedy areas, common, GNM.

Paspalum lividum Trin. Longtom, weed, wet areas, abundant, GNM.

Paspalum notatum Fluegge Bahia grass, weedy areas, abundant, GNM.

Paspalum setaceum Michx. Paspalum, weed, common, GNM.

Paspalum urvillei Stued. Vasey grass, weed, abundant, GNM.

Paspalum vaginatum Sw. Joint grass, wet areas, common, GNM.

Phalaris angusta Nees ex Trin. Canary grass, wet areas, abundant, GNM.

Phalaris caroliniana Walt. Canary grass, wet areas, abundant, GNM.

Phragmites australis (Cav.) Trin. ex Steud. Roseau, wet areas, abundant,
GNM.

Poa annua L. Annual blue grass, weed, abundant, GNM.

Polygogon interruptus H.B.K. Ditch rabbitfoot grass, wet areas, infrequent,
GNM.

Polygogon monspeliensis (L.) Desf. Rabbitfoot grass, wet areas, common, GNM.

Rottboellia exaltata L.f. Itch grass, weedy area along railroad, rare, GNM.

Sacciolepis striata (L.) Nash Bagscale, wet areas, common, GNM.

Setaria faberii Herrm. Foxtail, weed, infrequent, GNM.

Setaria geniculata (Lam.) Beauv. Knotroot bristlegrass, weed, abundant, GNM.
Setaria glauca (L.) Beauv. Yellow foxtail, weed, abundant, GNM.
Setaria pallide-fusca (Schum.) Stapf. & Hubb. Foxtail, weed, infrequent, GNM.
Sorghum halepense (L.) Pers. Johnson grass, weed, abundant, GNM.
Spartina patens (Ait.) Muhl. Wiregrass, lakeshore, infrequent, GNM.
Spehnopholis obtusata (Michx.) Scribn. Prairie wedgegrass, weed, abundant, GNM.
Sporobolus cryptandrus (Torr.) Gray Dropseed, rare near river, GNM.
Sporobolus indicus (L.) R. Br. Smutgrass, weed, abundant, GNM.
Stenotaphrum secundatum (Walt.) Kuntze St. Augustine grass, cultivated and escaping, GNM.
Tridens flavus (L.) Hitchc. Purple top, wet areas, infrequent, GNM.
Triticum aestivum L. Wheat, cultivated and escaping, GNM.
Zea mays L. Corn, cultivated and escaping, GNM.
Zizaniopsis miliacea (Michx.) Doell & Asch. Giant cutgrass, wet areas, abundant, GNM.

POLYGONACEAE

Antenoron virginianum (L.) Roberty & Vautier (*Tovara virginiana* (L.) Raf.) Jumpseed, hardwoods, common, GNM.
Brunnichia ovata (Walt.) Shinners Ladies eardrops, bottomland hardwoods and swamps, abundant, GNM.
Polygonum aviculare L. Knotweed, weed, common, GNM.
Polygonum bicorne Raf. Pink smartweed, weed, infrequent, GNM.
Polygonum densiflorum Meissner Southern smartweed, swamps and bottomland hardwoods, abundant, GNM.
Polygonum hydropiper L. Smartweed, marshes, swamps and wet areas, infrequent, GNM.
Polygonum hydropiperoides Michx. Swamp smartweed, swamps and wet areas, common, GNM.
Polygonum lapathifolium L. Nodding smartweed, swamps and wet areas, common, GNM.
Polygonum punctatum Ell. Dotted smartweed, swamps, bottomland hardwoods, wet areas, abundant, GNM.

Polygonum setaceum Baldwin ex Ell. Smartweed, swamps, bottomland hardwoods, wet areas, abundant, GNM.

Rumex crispus L. Yellow dock, weed, abundant, GNM.

Rumex paraguayensis D. Parodi Dock, weed, rare, GNM.

Rumex pulcher L. Fiddle dock, weed, abundant, GNM.

Rumex verticillatus L. Swamp dock, weed, bottomland hardwoods, common, GNM.

POLYPODIACEAE

Polypodium polypodioides (L.) Watt. var. *michauxanum* Weatherby. Resurrection fern, on trees throughout, common, GNM.

PONTEDERIACEAE

Eichhornia crassipes (Mart.) Solms Water hyacinth, waterways, abundant, GNM.

Heteranthera dubia (Jacq.) MacM. Water stargrass, waterways, infrequent, GNM.

Heteranthera reniformis Ruiz & Pavon. Roundleaf mudplantain, waterways, infrequent, GNM.

Pontederia cordata L. Pickerelweed, swamps and wet areas, abundant, GNM.

PORTULACACEAE

Portulaca oleracea L. Purslane, weed, abundant, GNM.

PRIMULACEAE

Samolus parviflorus Raf. Water pimpernel, swamps and wet areas, abundant, GNM.

RANUNCULACEAE

Clematis virginiana L. Leatherflower, weed, infrequent, GNM.

Myosurus minimus L. Mousetail, weed, rare near river, GNM.

Ranunculus carolinianus DC. Buttercup, weed, infrequent,

Ranunculus marginatus d'Urv. Buttercup, weed, common, GNM.

Ranunculus muricatus L. Spring buttercup, weed, abundant, GNM.

Ranunculus platensis Sprengel Buttercup, weed, abundant, GNM.

Ranunculus pusillus Poiret Buttercup, weed, infrequent, GNM.

Ranunculus sardous Crantz Buttercup, weed, abundant, GNM.

Ranunculus sceleratus L. Cursed crowfoot, swamps and wet areas, abundant, GNM.

Ranunculus trilobus Desf. Buttercup, weed, common, GNM.

RHAMNACEAE

Berchemia scandens (Hill) K. Koch. Rattan vine, bottomland hardwoods and swamps, abundant, GNM.

ROSACEAE

Crataegus viridis L. Green hawthorn, bottomland hardwoods, abundant, GNM.

Duchesnea indica (Andrz.) Focke. Indian strawberry, weed, common, GNM.

Rosa bracteata Wendland MaCartney rose, weed, infrequent, GNM.

Rosa carolina L. Carolina rose, cultivated and escaping, GNM.

Rubus argutus Link Sharptooth Blackberry, deposited at Tulane Herbarium.

Rubus louisianus Berger Louisiana Blackberry, bottomland hardwoods, abundant, GNM.

Rubus trivialis Michx. Southern dewberry, bottomland hardwoods, abundant, GNM.

RUBIACEAE

Cephalanthus occidentalis L. Buttonbush, swamps, abundant, GNM.

Diodia virginiana L. Buttonwood, weed, abundant, GNM.

Galium aparine L. Bedstraw, weed, abundant, GNM.

Galium tinctorium L. Bedstraw, weed, abundant, GNM.

Sherardia arvensis L. Sherardia, weed, infrequent, GNM.

RUTACEAE

Citrus aurantifolia (Christn.) Swingle Satsuma, deposited at Tulane Herbarium.

SALICACEAE

Populus deltoides Marshall Cottonwood, bottomland hardwoods, abundant, GNM.

Salix exigua Nutt. (*S. interior* Rowlee) Sandbar willow, bottomland hardwoods, abundant, GNM.

Salix nigra Marshall Black willow, bottomland hardwoods and swamps, abundant, GNM.

SAPINDACEAE

Cardiospermum halicacabum L. Balloon-vine, weed, infrequent, GNM.

SAURURACEAE

Saururus cernuus L. Lizard's tail, swamps and wet areas, abundant, GNM.

SAXIFRAGACEAE

Itea virginica L. Virginiawillow, bottomland hardwoods, swamps, common, GNM.

Penthorum sedioides L. Ditch stonecrop, wet areas, infrequent, GNM.

SCHIZAEACEAE

Lygodium japonicum (Thunb.) Swartz Japanese Climbing fern, weed, abundant, GNM.

SCROPHULARIACEAE

Agalinis heterophylla (Nutt.) Small Gerardia, wet areas, infrequent, GNM.

Agalinis obtusifolia Raf. Gerardia, deposited at Tulane Herbarium.

Bacopa monnieri (L.) Wettst. Water-hyssop, swamps and wet areas, abundant, GNM.

Leucospora multifida (Michx.) Nutt. Leucospora, sandy areas, abundant, GNM.

Lindernia anagallidea (Michx.) Pennell Claspig false pimpernel, sandy and wet areas, abundant, GNM.

Lindernia dubia (L.) Pennell Yellowseed false pimpernel, sandy and wet areas, abundant, GNM.

Mazus pumilus (Burm. f.) van Steenis. (*M. japonicus* (Thunb.) Kuntze) Mazus, weed, abundant, GNM.

Mecardonia acuminata (Walt.) Small Purple mecardonia, weed, common, GNM.

Mecardonia procumbens (Mill.) Small Prostate mecardonia, weed, common, GNM.

Mimulus alatus Aiton Monkey flower, wet areas, infrequent, GNM.

Mimulus ringens L. Monkey flower, wet areas, infrequent, GNM.

Veronica arvensis L. Neckweed, weed, abundant, GNM.

Veronica peregrina L. Neckweed, weed, abundant, GNM.

Veronica persica Poiret Neckweed, weed, abundant, GNM.

Veronica polita Fries Speedwell, weed, common, GNM.

SOLANACEAE

Datura stramonium L. Jimson weed, weed, infrequent, GNM.

Petunia parviflora Jussieu Wild petunia, weed, infrequent, GNM.

Physalis angulata L. Ground cherry, weed, abundant, GNM.

Physalis pubescens L. Ground cherry, weed, infrequent, GNM.

Solanum americanum Miller Nightshade, weed, abundant, GNM.

Solanum carolinense L. Horsenettle, weed, abundant, GNM.

Solanum douglasii Duval Nightshade, weed, common, GNM.

Solanum nigrum L. Nightshade, weed, infrequent, GNM.

STERULIACEAE

Melochia corchorifolia L. Chocolateweed, weed, common, GNM.

TAXODIACEAE

Taxodium distichum (L.) Richard Baldcypress, swamps and wet bottomland hardwoods, abundant, GNM.

TILLIACEAE

Corchorus hirtus L. (*C. orinocensis* HBK) Orinoco jute, weed, common, GNM.

TYPHACEAE

Typha domingensis Persoon Southern cattail, wet areas, abundant, GNM.

Typha latifolia L. Broadleaf cattail, wet areas, abundant, GNM.

ULMACEAE

Celtis laevigata Willd. Hackberry, bottomland hardwoods, abundant, GNM.

Planera aquatica (Walt.) J.F. Gmel. Waterelm, swamps and wet bottomland hardwoods, common, GNM.

Ulmus americana L. American elm, bottomland hardwoods, abundant, GNM.

Ulmus rubra Muhl. Red elm, bottomland hardwoods, abundant, GNM.

URTICACEAE

Boehmeria cylindrica (L.) Swartz False nettle, woods, abundant, GNM.

Parietaria pensylvanica Muhl. ex Willd. Pellitory, weed, infrequent, GNM.

Urtica chamaedryoides Pursh Stinging nettle, weed, common, GNM.

VALERIANACEAE

Valerianella radiata (L.) Dufr. Cornsalad, weed, common, GNM.

VERBENACEAE

Lantana camara L. Ham and eggs, cultivated, escaping and persistent, GNM.

Phyla lanceolata (Michx.) Greene. (*Lippia lanceolata* Michx.) Northern frogfruit, weedy and wet areas, abundant, GNM.

Phyla nodiflora (L.) Greene (*Lippia nodiflora* (L.) Michx.) Common frogfruit, weedy and wet areas, common, GNM.

Verbena bonariensis L. Verbain, weed, infrequent, GNM.

Verbena brasiliensis Velloso Vervain, weed, abundant, GNM.

Verbena halei Small Vervain, weed, common, GNM.

Verbena littoralis H.B.K. Vervain, weed, infrequent, GNM.

Verbena urticifolia L. Vervain, weed, common, GNM.

Verbena xutha Lehm. Vervain, deposited at Tulane Herbarium.

VIOLACEAE

Viola floridana Brainerd Violet, weed, common, GNM.

Viola sororia Willd. (*V. papilionacea* Pursh) Violet, bottomland hardwoods, common, GNM.

VITACEAE

Ampelopsis arborea (L.) Koehne Peppervine, bottomland hardwoods and weedy areas, abundant, GNM.

Ampelopsis cordata Michx. Heartleaf peppervine, bottomland hardwoods, abundant, GNM.

Cayratia japonica (Thunb.) Gagnap. Cayratia, cultivated and escaping, GNM.

Parthenocissus quinquefolia (L.) Planchon Virginia creeper, bottomland hardwoods, abundant, GNM.

Vitis cinerea Engelm. Wild grape, bottomland hardwoods, abundant, GNM.

Vitis rotundifolia Michx. Muscadine, bottomland hardwoods, abundant, GNM.

Vitis vulpina L. Wild grape, bottomland hardwoods, common, GNM.

ZANNICHELLIACEAE

Zannichellia palustris L. Horned pondweed, waterways, infrequent, GNM.

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