

**An Annotated List of the Vascular Plants of Mad Island Marsh Preserve, Matagorda County, Texas
June 2011 Draft**

Kathy Bruce Calnan, PBS&J, Inc., Austin, Texas, and William R. Carr, The Nature Conservancy of Texas, San Antonio, Texas

This list is based primarily on field research conducted by Kathy Bruce during 1993 & 1994 & staff of TNCT from 1997 through 2011. Nomenclature generally follows Jones, Wipff & Montgomery (1997), but the currently-accepted name or a synonym (in brackets) is traceable to the principal treatments of the regional flora (Correll & Johnston, 1970; Jones, 1982; Lehmann, O'Brien & White, 2005). Common names largely follow editorial whim, although some effort has been made to conform to Hatch, Gandhi & Brown (1990). Codes in nativity column: E = exotic, i.e., not native to Texas; N = native to Texas; N+ = endemic to (found only in) Texas. Codes in Form column: FA = annual forb; FVA = annual vine forb; FB = biennial forb; FP = perennial forb; FVP = perennial vine forb; FQ = aquatic forb; GA = annual grass or grasslike plant; GP = perennial grass or grasslike plant; PP = perennial fern or fern ally; S = shrub; T = tree; WV = woody vine. Annotations about the perceived abundance of each species are based on casual observations rather than quantitative data & pertain only to the Mad Island Marsh Preserve, not to global status. Voucher specimens reside at the Plant Resources Center of The University of Texas at Austin, where future annotations & other changes can be detected via the on-line database at www.biosci.utexas.edu/prc/databses.html. Specimens originally housed at the Mad Island Marsh Preserve Herbarium (MIM) were donated to the Plant Resources Center in 2009 when herbarium activities at the preserve were discontinued. Those specimens will eventually be incorporated into the main collection but do not currently appear in the on-line database.

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|---------------|---|------------------------------|---------|------|---|--|--|
| Acanthaceae | <i>Ruellia nudiflora</i> (Engelm. & Gray) Urban var. <i>nudiflora</i> | Common wild-petunia | N | FP | Frequent in grasslands on drier sites. | In flower, 6 Nov 1997, 6-7 Oct 2005. | |
| Acanthaceae | <i>Ruellia runyonii</i> Tharp & Barkl. | Runyon's wild-petunia | N | FP | | | Bruce s.n. (MIM) [needs confirmation]. |
| Acanthaceae | <i>Ruellia yucatanana</i> (Leonard) Tharp & Barkl. | Yucatan wild-petunia | N | FP | | | Bruce s.n. (MIM) [needs confirmation] |
| Agavaceae | <i>Yucca treculeana</i> Carr. | Spanish dagger, Trecul yucca | N | S | Occasional in shrubland on shell ridge along Intracoastal Waterway; scattered along shoreline of Mad Island Lake. | Vegetative, 22 Apr 98, 7 Oct 05; w/ aborted fruit, 4 Nov 05. | Carr & Harrell 24253 |
| Alismataceae | <i>Echinodorus berteroi</i> (Spreng.) Fassett [<i>Echinodorus rostratus</i> (Nutt.) Engelm.] | Common burhead | N | FA | Locally abundant in bed of Shell Lake and along Mad Island Slough. | In flower and fruit, 8 Jul 1997; in flower, 22 Apr 1998. | Bruce s.n. (MIM); Carr 16739. |
| Alismataceae | <i>Echinodorus cordifolius</i> (L.) Griseb. | Creeping burhead | N | FA | Locally common in Mad Island Slough S of main preserve road and along W edge of WRP pond. | In flower and fruit, 1 Sep 2000, 4 Nov 2005. | Carr 19151 (MIM); Carr & Harrell 24255. |
| Alismataceae | <i>Sagittaria longiloba</i> Engelm. | Arrowhead | N | FP | Locally common in standing shallow water in Shell Lake, WRP pond, and in drainage ditches. | In flower and early fruit, 22 Apr 1998. | Carr 17475 (MIM). |
| Alismataceae | <i>Sagittaria</i> sp. | Arrowhead | N | FP | Frequent in freshwater wetland along road to HQ at curve ca. 0.6-0.7 mi SW of main NW-SE road. | In flower and early fruit, 22 Apr 1998. | Carr 17443 (MIM). |
| Amaranthaceae | <i>Alternanthera philoxeroides</i> (Mart.) Griseb. | Alligator-weed | E | FP | Locally abundant in Mad Island Slough at main preserve road. | In flower, 22 Apr 1998. | Carr 17478 (MIM). |
| Amaranthaceae | <i>Amaranthus berlandieri</i> (Moq.) Uline & Bray. | Berlandier amaranth | N | FA | | | Bruce s.n. (MIM), orig. determined <i>A. greggii</i> |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|---------------|---|---------------------------------------|---------|------|---|---|-------------------------------------|
| Amaranthaceae | <i>Gossypianthus lanuginosus</i> (Poir.) Moq. [<i>Guilleminea lanuginosa</i> (Poir.) Hook. f.] | Cottonflower | N | FP | Rare in roadbeds and sparsely vegetated slick spots in upland or salty prairies. | In flower and fruit, 6 Nov 1997, 8 Nov 2000. | Carr 17180 (MIM); Carr 19328 (MIM). |
| Anacardiaceae | <i>Rhus toxicodendron</i> L. var. <i>vulgaris</i> Michx. [<i>Toxicodendron radicans</i> (L.) O. Ktze. subsp. <i>radicans</i>] | Poison ivy | N | WV | Common in woodland on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998; in fruit, 6-7 Oct 2005. | Bruce s.n. (MIM). |
| Apiaceae | <i>Chaerophyllum tainturieri</i> Hook. var. <i>tainturieri</i> | Chervil | N | FA | Occasional in partial shade along margins of woodland on shell ridge along Intracoastal Waterway. | In fruit, 22 Apr 1998. | Carr 17459 (MIM). |
| Apiaceae | <i>Ciclospermum leptophyllum</i> (Pers.) Sprague [<i>Apium leptophyllum</i> (Pers.) F. V. Muell.] | Slimlobe celery | E | FA | Rare in moist prairies and along margins of freshwater wetlands. | In flower, 22 Apr 1998. | Carr 17480 (MIM). |
| Apiaceae | <i>Daucus pusillus</i> Michx. | Little carrot | N | FA | Occasional in grasslands on lighter soils. | In flower and fruit, 22 Apr 1998. | Bruce s.n. (MIM). |
| Apiaceae | <i>Eryngium hookeri</i> Walp. | Hooker's eryngo | N | FA | Rare in upland prairies. | . | Bruce s.n. (MIM). |
| Apiaceae | <i>Eryngium yuccifolium</i> Michx. | Button snakeroot, rattlesnake-master | N | FP | Rare in recently burned little bluestem-brownseed paspalum grasslands. | In flower and fruit, 6 Nov 1997. | |
| Apiaceae | <i>Hydrocotyle ranunculoides</i> L. f. | Floating water-penny | N | FP | Large colonies on surface of Mad Island Slough at main preserve road. | In flower and fruit, 22 Apr 1997 | Carr 17481. |
| Apiaceae | <i>Limnoscium pumilum</i> (Engelm. & Gray) Math. & Const. | Prairie dogshade | N | FP | Common in moist to wet sites throughout. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Apiaceae | <i>Polytaenia</i> sp | Prairie parsnip | N | FP | Rare(?) in prairie in NE quarter of preserve. | In flower, 23 Apr 1998. | Carr 17502 (MIM). |
| Apiaceae | <i>Spermolepis echinata</i> (DC.) Heller | Spiny scaleseed | N | FA | Occasional in openings in shrubland on shell ridge along Intracoastal Waterway. | In fruit, 22 Apr 1998. | Carr 17463 (MIM). |
| Apiaceae | <i>Torilis nodosa</i> (L.) Gaertn. | Knotted hedgeparsley, lesser sockbane | E | FA | Rare along inland margin of woodland on shell ridge along Intracoastal Waterway. | In flower and fruit, 7 Mar 2000. | Carr 18673 (MIM). |
| Aquifoliaceae | <i>Ilex vomitoria</i> Ait. | Yaupon | N | S | Rare in shrubland on shell ridge along Intracoastal Waterway. | Vegetative, 7 Mar 00; fruit, 8 Oct 05. | Carr 24160. |
| Araceae | <i>Pistia stratiotes</i> L. | Water-lettuce | E | A | Rare, one cluster observed in ponded part of Mad Island Slough at main road crossing. Most collected & destroyed or pressed; one couldn't be reached. | Vegetative, 2 Nov 2010. | Carr 29215 (TEX) |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|----------------|---|-------------------------------|---------|------|--|---|-------------------------------|
| Arecaceae | <i>Sabal minor</i> (Jacq.) Pers. | Dwarf palmetto | N | S | Rare in shrubland on shell ridge along Intracoastal Waterway, at N28°37'41.7", W096°05'59.5". | Vegetative, 7 Mar 2000, 7 Oct 2005; in fruit, 4 Nov 2005. | Carr & Harrell 24251. |
| Asclepiadaceae | <i>Asclepias linearis</i> Scheele | Slim milkweed | N+ | FP | Rare in upland grasslands. | | Bruce s.n. (MIM). |
| Asclepiadaceae | <i>Asclepias oenotheroides</i> Cham. & Schlect. | Hierba de zizotes | N | FP | Occasional in openings on shell ridge and other dry sites. | In flower, 22 Apr 1998, 6-7 Oct 2005. | Bruce s.n. (MIM). |
| Asclepiadaceae | <i>Asclepias viridis</i> Walt. | Green milkweed | N | FP | Occasional in upland grasslands, mostly in N 1/2 of preserve. | In flower, 8 Nov 2000, 7 Oct 2005. | Bruce s.n. (MIM). |
| Asclepiadaceae | <i>Cynanchum angustifolium</i> Pers. | Marsh swallow-wort | N | FPV | Local in halophytic vegetation along shoreline of Intracoastal Waterway. | In flower, 8 Jul 1997 | Bruce s.n. (MIM); Carr 16735. |
| Asclepiadaceae | <i>Cynanchum racemosum</i> (Jacq.) Jacq. var. <i>unifarium</i> (Scheele) Sundell [<i>Cynanchum unifarium</i> (Scheele) Woods.] | Tayalote | N | FPV | Rare in brush strip on well drained sandy to loamy soils on low shell mound along N edge of Intracoastal Waterway. | In flower, 8 Jul 1997 and 7 Oct 2005. | Carr 16736; Carr 24147. |
| Asteraceae | <i>Ambrosia artemisiifolia</i> L. | Roman ragweed, common ragweed | N | FA | | | Bruce s.n. (MIM). |
| Asteraceae | <i>Ambrosia psilostachya</i> DC. | Western ragweed | N | FP | Occasional to frequent in upland prairies. | Vegetative, 22 Apr 1998; in flower and fruit, 6-7 Oct 2005. | Carr 24138 |
| Asteraceae | <i>Amphiachyris dracunculoides</i> DC. [<i>Xanthocephalum dracunculoides</i> (DC.) Shinnors] | Annual broomweed | N | FA | Occasional to common in upland prairies. | . | Bruce s.n. (MIM). |
| Asteraceae | <i>Aster dumosus</i> L. [<i>Symphyotrichum dumosum</i> (L.) Nesom] | Bushy aster | N | FP | Rare in recently burned little bluestem-brownseed paspalum grasslands. | In flower and fruit, 6 Nov 1997 | Carr 17185. |
| Asteraceae | <i>Aster ericoides</i> L. [<i>Symphyotrichum ericoides</i> (L.) Nesom] | Heath aster | N | FP | Occasional in upland grasslands. | In flower and fruit, 8 Nov 2000. | Carr & Dumesnil 19321 (MIM). |
| Asteraceae | <i>Aster pratensis</i> Raf. [<i>Symphyotrichum pratense</i> (Raf.) Nesom] | Prairie aster | N | FP | Occasional in upland grasslands. | In flower and fruit, 8 Nov 2000. | Carr & Dumesnil 19315 (MIM). |
| Asteraceae | <i>Aster subulatus</i> Michx. var. <i>ligulatus</i> Shinnors [<i>Symphyotrichum divaricatum</i> (Nutt.) Nesom] | Hierba del marrano | N | FP | Frequent in freshwater marshes and in wet spots in pastures. | In flower, 6-7 Oct 1997. | Bruce s.n. (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|------------|--|------------------------------------|---------|------|---|---|---|
| Asteraceae | <i>Astranthium integrifolium</i> (Michx.) Nutt. subsp. <i>ciliatum</i> (Raf.) Delong | Western daisy | N | FA | Common in recently-burned prairies on lighter soils. | In flower and fruit, 22 Apr 1998. | Bruce s.n. (MIM), Carr 17433 (MIM). |
| Asteraceae | <i>Baccharis halimifolia</i> L. | Rooseveltweed, baccharis | N | S | Occasional throughout. | Vegetative, 22 Apr 1998; in flower, 6-7 Oct 2005. | Bruce s.n. (MIM). |
| Asteraceae | <i>Baccharis texana</i> (T. & G.) Gray | Prairie baccharis, Texas baccharis | N | S | Common in shrubland on shell ridge along Intracoastal Waterway. | In flower and fruit, 31 Oct 1997 | Carr 17162. |
| Asteraceae | <i>Boltonia</i> sp. (<i>Boltonia diffusa</i> Ell.?) | Boltonia | NP | P | Occasional in upland grasslands. | In flower, 8 Nov 2000. | Bruce s.n., several sheets originally determined <i>Aster subulatus</i> or <i>Aster tenuifolius</i> . |
| Asteraceae | <i>Borrchia frutescens</i> (L.) DC. | Sea-oxeye | N | S | Locally common on heavy saline clays in and along marshes and low flats; occasional in upland prairies. | In fruit, 6-7 Oct 2005. | Bruce s.n. (MIM). |
| Asteraceae | <i>Centaurea americana</i> Nutt. | American basket-flower | N | FA | | | Bruce s.n. (MIM). |
| Asteraceae | <i>Chaetopappa asteroides</i> Nutt. | Least daisy | N | FA | Occasional in recently burned upland prairies on lighter soils. | | Carr 17505 (MIM). |
| Asteraceae | <i>Chloracantha spinosa</i> (Benth.) Nesom var. <i>spinosa</i> [<i>Aster spinosus</i> Benth; <i>Erigeron ortegae</i> Blake var. <i>spinosus</i> (Benth.) Sundberg; <i>Leucosyris spinosa</i> (Benth.) Greene] | Spiny aster, Mexican devil-weed | N | FP | Occasional to locally abundant along margins of freshwater wetlands. | In flower, 7-9 Nov 2000, 6-7 Oct 2005. | Carr 24136. |
| Asteraceae | <i>Cirsium horridulum</i> Michx. | Bull thistle | N | FB | Occasional in upland prairies on lighter soils. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Asteraceae | <i>Cirsium texanum</i> Buckl. | Texas thistle | N | FB | Occasional in openings on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Asteraceae | <i>Conoclinium coelestinum</i> (L.) A. DC. [<i>Eupatorium coelestinum</i> L.] | Purple mistflower | N | FP | Rare in drainage ditches. | In flower, 7 Oct 2005. | |
| Asteraceae | <i>Conyza canadensis</i> (L.) Cronq. | Horseweed | N | FA | Occasional in dry sandy soil along margin of shrubland on shell ridge along Intracoastal Waterway. | In flower, 8 Jul 1997. | |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|------------|---|---------------------------------------|---------|------|---|--|-------------------------------------|
| Asteraceae | <i>Coreopsis tinctoria</i> Nutt. var. <i>tinctoria</i> [<i>Coreopsis cardaminifolia</i> (DC.) T. & G.] | Plains coreopsis | N | FA | Common in upland prairies. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Asteraceae | <i>Eclipta prostrata</i> (L.) L. [<i>Eclipta alba</i> (L.) Hassk.] | Yerba de tago | N | FA | Occasional in freshwater wetlands and other wet sites. Some plants, such as those along upper reaches of Mad Island Lake north of road to HQ, are erect and almost shrublike. | In flower, 6-7 Oct 1997, 22 Apr 1998, 18 Jul 2005. | Bruce s.n. (MIM); Carr 24055. |
| Asteraceae | <i>Erigeron tenuis</i> T. & G. | Slender fleabane | N | FB | Rare in upland prairies. | In flower, 22 Apr 1998. | Bruce s.n. (MIM), Carr 17499 (MIM). |
| Asteraceae | <i>Eupatorium serotinum</i> Michx. | Late boneset | N | FP | Occasional in upland grasslands and along margins of freshwater wetlands. | In flower and fruit, 8-9 Nov 2000, 6-7 Oct 2005. | Bruce s.n. (MIM). |
| Asteraceae | <i>Euthamia leptoccephala</i> (T. & G.) Greene | False goldenrod | N | FP | Common in gulf cordgrass and little bluestem grasslands. | In flower, 31 Oct 1997, 6 Nov 1997. | Carr 17167. |
| Asteraceae | <i>Evax multicaulis</i> DC. [<i>Evax verna</i> Raf.] | Roundhead rabbit-tobacco | N | FA | Occasional in recently-burned upland grasslands on lighter substrates. | In flower, 23 Apr 1998. | Carr 17498 (MIM). |
| Asteraceae | <i>Gaillardia pulchella</i> Foug. | Firewheels, Indian blanket | N | FA | Occasional in openings on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998, 7 Oct 2005. | Carr 24156. |
| Asteraceae | <i>Gamochaeta purpurea</i> (L.) Cabrera [<i>Gnaphalium purpureum</i> L.] | Purple cudweed | N | FA | Rare in upland grasslands on lighter soils. | In flower and fruit, 23 Apr 1998. | Carr 17504 (MIM). |
| Asteraceae | <i>Grindelia papposa</i> G. Nesom & Y. Suh [<i>Prionopsis ciliata</i> (Nutt.) Nutt.] | Sawtooth gumweed | N | FA | Rare, local on shell ridge along Intracoastal Waterway. | In fruit, 8 Nov 2000; in flower, 7 Oct 2005. | Carr 19325 (MIM); Carr 24154. |
| Asteraceae | <i>Haplopappus phyllocephalus</i> DC. [<i>Machaeranthera phyllocephala</i> (DC.) Shinners] | Camphor daisy | N | FP | Occasional on drier margins of tidal flats. | | Bruce s.n. (MIM). |
| Asteraceae | <i>Helenium amarum</i> (Raf.) H. Rock var. <i>amarum</i> | Yellow bitterweed | N | FA | Frequent to locally common in grazed pastures. | In flower, 31 Oct 1997, 19 Nov 1998. | Bruce s.n. (MIM). |
| Asteraceae | <i>Helianthus angustifolius</i> L. | Narrowleaf sunflower, swamp sunflower | N | FP | Rare in moist upland grasslands. | In flower, 31 Oct 1997, 6 Nov 1997. | Carr 17168 (MIM). |
| Asteraceae | <i>Helianthus annuus</i> L. [presumably the " <i>Helianthus texanus</i> " of Bruce, 1994.] | Common sunflower, mirasol | N | FA | Common in openings in shrubland on shell ridge along Intracoastal Waterway. | In flower and fruit, 7 Oct 2005. | Bruce s.n. (MIM). |
| Asteraceae | <i>Hymenopappus</i> sp | Old plainsman, woolly-white | N | FB | Rare in prairie on tight sandy soil | In flower, 20 Apr 2004. | Carr 23034 (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|------------|---|-------------------------------------|---------|------|--|--|---|
| Asteraceae | <i>Iva angustifolia</i> DC. | Narrowleaf sumpweed | N | FA | Common throughout. | In flower, 31 Oct 1998. | Bruce s.n. (MIM). |
| Asteraceae | <i>Iva annua</i> L. | Eggleaf sumpweed | N | FA | Occasional to common in gulf cordgrass grasslands and in cultivated fields. | . | Bruce s.n. (MIM). |
| Asteraceae | <i>Iva frutescens</i> L. | Shrubby sumpweed | N | S | Occasional in moist clay soils along drainages and along shoreline of Mad Island Lake. | . | Bruce s.n. (MIM). |
| Asteraceae | <i>Krigia cespitosa</i> (Raf.) Chambers [<i>Krigia oppositifolia</i> Raf.] | Dwarf-dandelion | N | FA | Frequent in recently-burned upland prairies on lighter soils. | In fruit, 22 Apr 1998. | Carr 17439 (MIM). |
| Asteraceae | <i>Liatris acidota</i> Engelm. & Gray | Narrowhead gayfeather | N | FP | Common in little bluestem-brownseed paspalum-gulf cordgrass grasslands. | In flower, 31 Oct 1997, 7 Nov 1997, 1 Sep 2000, 7-9 Nov 2000. | Carr 17172 (MIM); Carr & Dumesnil 19318 (MIM). |
| Asteraceae | <i>Liatris bracteata</i> Gaiser | Coastal gay-feather | N | FP | Frequent in upland grasslands. | In flower and fruit, 31 Oct 1997, 7 Nov 1997, 13-14 Nov 1998, 31 Aug 2000, 7-9 Nov 2000. | Bruce s.n. (MIM), Elsik & Pruess s.n. (MIM); Carr & Dumesnil 19320 (MIM). |
| Asteraceae | <i>Mikania scandens</i> (L.) Willd. | Climbing hempweed | N | FPV | Locally common among other hydrophytes along Mad Island Slough. | In flower, 1 Sep 2000. | Bruce s.n. (MIM). |
| Asteraceae | <i>Palafoxia rosea</i> (Bush) Cory var. <i>rosea</i> | Rose palafoxia | N | FA | Locally common in strip of dry sand along margin of Mad Island Lake. | In flower and fruit, 7-9 Nov 2000, 3-4 Nov 2005. | Carr 17923; Carr & Laing 24235; Carr & Harrell 24257 (MIM). |
| Asteraceae | <i>Palafoxia texana</i> DC. var. <i>ambigua</i> (Shinners) Turner & Morris | Palafoxia | N | FA | | | Bruce s.n. (MIM) [needs verification]. |
| Asteraceae | <i>Parthenium hysterophorus</i> L. | False ragweed, Santa Maria feverfew | N | FA | Occasional in roadbeds. | In flower, 1 Sep 2000. | Bruce s.n. (MIM). |
| Asteraceae | <i>Pluchea odorata</i> (L.) Cass. [<i>Pluchea purpurascens</i> (Sw.) DC.] | Camphor-weed, marsh-elder | N | FP | Occasional in freshwater wetlands. | In flower, 1 Sep 2000. | |
| Asteraceae | <i>Pyrrhopappus multicaulis</i> DC | Manystem false-dandelion | N | FP | Occasional throughout. | In flower, 22 Apr 1998. | Bruce s.n., originally determined <i>Taraxacum officinale</i> . |
| Asteraceae | <i>Ratibida peduncularis</i> (T. & G.) Barnh. | Two-color coneflower | N | FP | | . | Bruce s.n. (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|--------------|--|---|---------|------|--|--|--|
| Asteraceae | <i>Rudbeckia hirta</i> L. | Black-eyed Susan | N | FP | Occasional in upland prairies. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Asteraceae | <i>Senecio tampicanus</i> DC. [<i>Senecio imparipinnatus</i> Klatt] | Cutleaf groundsel | N | FA | Occasional in drainage ditches and wet prairies. | In flower, 22 Apr 1998. | Carr 17424 (MIM). |
| Asteraceae | <i>Solidago canadensis</i> L. var. <i>scabra</i> T. & G. | Tall goldenrod | N | FP | Occasional in fencerows and pricklypear patches within upland grasslands. | In flower, 9 Nov 2000, 4 Nov 2005. | Bruce s.n. (MIM); Carr & Harrell 24252. |
| Asteraceae | <i>Solidago odora</i> Ait. | Fragrant goldenrod | N | FP | Rare, noted only in upland grassland on Edna soils in NW 1/4 of preserve. | In fruit, 9 Nov 2000. | Carr 19336 (MIM). |
| Asteraceae | <i>Solidago sempervirens</i> L. | Seaside goldenrod | N | FP | Occasional in moist salty prairie sites. | In flower, 7-9 Nov 2000. | Bruce s.n. (MIM). |
| Asteraceae | <i>Thelesperma filifolium</i> (Hook.) Gray var. <i>filifolium</i> | Slender greenthread | N | FP | Occasional in upland prairies; locally common in openings in shrubland on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998, 9 Nov 2000. | Bruce s.n. (MIM), Carr 17462 (MIM), Carr 17501 (MIM). |
| Asteraceae | <i>Thurovia triflora</i> Rose [<i>Gutierrezia triflora</i> (Rose) Lane] | Threeflower broomweed | N | FA | Locally frequent in sparsely vegetated dry sandy flat at transition zone between upland salty prairie and saline flats along Mad Island Lake W and N of preserve HQ. | In flower, 14 Nov 1998, 19 Nov 1998, 31 Aug 2000; recently germinated seedlings, 6 Mar 2000. | Carr, Elsik & Pruess 17906 (MIM), Carr 17925 (MIM); Carr 18669 (MIM) |
| Asteraceae | <i>Thymophylla tenuiloba</i> (DC.) Small [<i>Dyssodia tenuiloba</i> (DC.) B. Robins.] | Tiny Tim | N | FA | Occasional in recently burned grasslands on drier sites. | In flower and fruit, 31 Oct 1997, 6 Nov 1997. | Bruce s.n. (MIM) |
| Asteraceae | <i>Thymophylla tenuiloba</i> (DC.) Small var. <i>wrightii</i> (Gray) Strother [<i>Dyssodia tenuiloba</i> (DC.) B. Robins. var. <i>wrightii</i> (Gray) Strother] | Wright's pricklyleaf | N | FA | Local in saline clay along W edge of Mad Island Lake near HQ. | In flower, 20 Apr 2004. | |
| Azollaceae | <i>Azolla caroliniana</i> Willd. | Mosquito-fern | N | PP | Locally common with <i>Spirodela polyrhiza</i> , <i>Lemna</i> sp. and <i>Wolffia</i> sp. on surface of Mad Island Slough at crossing of main preserve road. | | Carr 17728 |
| Basellaceae | <i>Anredera vesicaria</i> (Lam.) Gaertn. | [<i>Anredera scandens</i> of auth.] Madiera-vine | N | FPV | Rare in shrubland on shell ridge along Intracoastal Waterway, at W edge of eastern of two access roads. | In fruit, 9 Dec 2000; in flower, 7 Oct 2005. | Carr & Price 19357 (MIM); Carr 24146. |
| Bataceae | <i>Batis maritima</i> L. | Maritime saltwort | N | S | Occasional patches on saline flats | | Bruce s.n. (MIM). |
| Boraginaceae | <i>Heliotropium curassavicum</i> L. var. <i>curassavicum</i> | Seaside heliotrope | N | FP | Occasional on saline flats. | | Bruce s.n. (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|------------------|--|----------------------|---------|------|---|---|---|
| Boraginaceae | <i>Heliotropium indicum</i> L. | Indian turnsole | E | FA | Rare in clay along margin of Typha-dominated seasonal pond along road to HQ and in sesbania-dominated stock tank in SE 1/4 of preserve. | In flower and fruit, 19 Aug 1998, 9 Nov 2000. | Carr 17722 (MIM), Carr 19337 (MIM). |
| Boraginaceae | <i>Lithospermum incisum</i> Lehm. | Fringed puccoon | N | FP | Rare in openings on shell ridge along Intracoastal Waterway; more common in shell roadbase near HQ. | In flower, 6-7 Mar 2000. | |
| Brassicaceae | <i>Lepidium virginicum</i> L. var. <i>virginicum</i> | Virginia pepperweed | N | FA | Occasional in upland prairies and various drier sites. | In fruit, 22 Apr 1998. | Bruce s.n. (MIM). |
| Buddlejaceae | <i>Polypremum procumbens</i> L. | Juniperleaf | N | FP | Locally frequent in strip of dry sand along upper margins of shoreline of Mad Island Lake. | In flower, 31 Aug 2000. | Bruce s.n., originally determined <i>Paronychia setacea</i> . |
| Cactaceae | <i>Opuntia macrorhiza</i> Engelm. | Plains pricklypear | N | S | Occasional in upland grasslands and on saline flats. | | |
| Cactaceae | <i>Opuntia</i> sp. (presumably <i>Opuntia engelmannii</i> Salm-Dyck var. <i>lindheimeri</i> (Engelm.) Parfitt & Pinkava) | Texas pricklypear | N | S | Occasional on shell ridge and other well drained sites. | | Bruce s.n. (MIM). |
| Callitrichaceae | <i>Callitriche</i> sp. | Water-starwort | N | FA | Noted in pastures on clayey to sandy clay soils after fall burn and wet winter. | In fruit, 10 Apr 2010. | |
| Campanulaceae | <i>Triodanis perfoliata</i> (L.) Nieuw. var. <i>biflora</i> (R. & P.) Bradley [<i>Triodanis biflora</i> (R. & P.) Greene] | Venus' looking-glass | N | FA | Occasional in recently-burned upland prairies. | In fruit, 22 Apr 1998. | Carr 17436 (MIM). |
| Campanulaceae | <i>Triodanis perfoliata</i> (L.) Nieuw. var. <i>perfoliata</i> | Venus' looking-glass | N | FA | | | Bruce s.n. (MIM). |
| Capparidaceae | <i>Polanisia dodecandra</i> (L.) DC | Clammyweed | N | FA | Occasional in dry open areas on shell ridge along Intracoastal Waterway. | Vegetative, 22 Apr 1998. | Carr 24158. |
| Caryophyllaceae | <i>Cerastium glomeratum</i> Thuill. | Chickweed | E | FA | Occasional in upland prairies. | In fruit, 22 Apr 1998. | |
| Caryophyllaceae | <i>Silene antirrhina</i> L. | Sticky catchfly | E | FA | Rare in roadbed on shell ridge along Intracoastal Waterway. | In flower and fruit, 22 Apr 1998. | Carr 17456 (MIM). |
| Caryophyllaceae | <i>Spergularia marina</i> (L.) Griseb. | Sand-spurry | N | FA | Local in sparsely vegetated "slick spots" in upland prairie in NW 1/4 of preserve. | In fruit, 23 Apr 1998. | Carr 17503 (MIM). |
| Ceratophyllaceae | <i>Ceratophyllum demersum</i> L. | Common coon-tail | N | FQ | Common in Mad Island Slough. | Vegetative, 1 Sep 2000. | Carr 19150 (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|----------------|---|-------------------------|---------|------|--|--|-------------------------------------|
| Chenopodiaceae | <i>Atriplex matamorensis</i> A. Nels. | Matamoros saltbush | N | FA | Frequent on drier saline flats and on shell/saline clay roadbase along road through Shell Lake. | In fruit, 9 Nov 2000. | Carr 19333 (MIM). |
| Chenopodiaceae | <i>Atriplex pentandra</i> (Jacq.) Standl. [<i>Atriplex arenaria</i> Nutt.] | Quelite | N | FA | Occasional on drier saline flats. | In fruit, 8 Nov 2000. | Carr & Dumesnil 19329 (MIM). |
| Chenopodiaceae | <i>Chenopodium berlandieri</i> Moq. | Berlandier goosefoot | N | FA | Rare along margin of shell ridge along Intracoastal Waterway. | In fruit, 31 Oct 1997, 7 Oct 2005. | Carr 24161. |
| Chenopodiaceae | <i>Salicornia virginica</i> L. | Virginia glasswort | N | FP | Common in saline clay on flats along shorelines. | | Bruce s.n. (MIM). |
| Chenopodiaceae | <i>Suaeda conferta</i> (Small) I. M. Johnston | Saltwort | N | FA | Frequent in saline clay on flats along shorelines | In flower, 19 Aug 1998. | Carr 17727 (MIM). |
| Chenopodiaceae | <i>Suaeda linearis</i> (Ell.) Moq. | Saltwort | N | FP | Presumably common in saline clay on flats along shorelines. | | Bruce s.n. (MIM). |
| Cistaceae | <i>Lechea san-sabeana</i> (Buckl.) Hodg. | San Saba pinweed | N | FP | Rare in upland prairies on lighter soils. | In flower and fruit, 22 Apr 1998. | Carr 17437 (MIM). |
| Clusiaceae | <i>Hypericum drummondii</i> (Grev. & Hook.) T. & G. | Nits-and-lice | N | FA | Occasional in sparsely vegetated areas in salty prairie along Mad Island Lake just W of preserve HQ. | In flower, 14 Nov 1998. | Carr 17910 (MIM). |
| Commelinaceae | <i>Commelina diffusa</i> Burm. f. | Dayflower | N | FP | Rare on preserve, noted only among emergent hydrophytes on S shoreline of WRP pond. | In flower, 2 Nov 2010. | Carr & Sullivan 29216. |
| Commelinaceae | <i>Commelina erecta</i> L. var. <i>angustifolia</i> (Michx.) Fern. | Dayflower | N | FP | Common on pimple mounds and in openings on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998, 7-9 Nov 2000. | Bruce s.n. (MIM). |
| Commelinaceae | <i>Tradescantia occidentalis</i> (Britt.) Smyth | Western spiderwort | N | FP | Occasional in upland prairies. | In flower, 22 Apr 1998. | Bruce s.n. (MIM), Carr 17434 (MIM). |
| Convolvulaceae | <i>Evolvulus sericeus</i> Sw. | Silky evolvulus | N | FP | Frequent in threeawn patches in upland grasslands. | Vegetative, 22 Apr 1998; in fruit, 7-9 Nov 2000. | Bruce s.n. (MIM). |
| Convolvulaceae | <i>Ipomoea sagittata</i> Poir. | Saltmarsh morning-glory | N | FPV | Local in strips of halophytic vegetation along Intracoastal Waterway and Mad Island Slough. | In flower, 8 Jul 1997, 20 Jul 2010. | Bruce s.n. (MIM), Carr 16734. |
| Cornaceae | <i>Cornus drummondii</i> C. A. Mey. | Roughleaf dogwood | N | S | Occasional in brush strip on shell ridge along Intracoastal Waterway. | | Bruce s.n. (MIM). |
| Cucurbitaceae | <i>Cucumis melo</i> L. | Muskmelon | E | FA | | | |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|---------------|---|--------------------------------------|---------|------|---|--|---|
| Cucurbitaceae | <i>Ibervillea lindheimeri</i> (Gray) Greene | Balsam gourd, Lindheimer globe-berry | N | FPV | Occasional in shrubland on Intracoastal Waterway. | In fruit, 7 Oct 2005. | Bruce s.n. (MIM). |
| Cucurbitaceae | <i>Melothria pendula</i> L. | Melonette | N | FPV | Rare in colima-panalero-mesquite shrubland on E side of Mad Island Slough. | In fruit, 8 Nov 2000. | |
| Cuscutaceae | <i>Cuscuta cuspidata</i> Engelm. | Cusp dodder | N | FAV | Occasional on various herbaceous species; locally frequent on shell ridge. | Vegetative, 7 Oct 2005. | Bruce s.n. (MIM). |
| Cyperaceae | <i>Bulboschoenus robustus</i> (Pursh) Sojak [<i>Scirpus robustus</i> Pursh; <i>Scirpus maritimus</i> of Texas authors] | Saltmarsh bulrush | N | GP | Several colonies in shallow water along Intracoastal Waterway, Mad Island Lake and presumably in salt/brackish marshes elsewhere on preserve. | In flower, 22 Apr 1998; in fruit, 9 Nov 2000. | Bruce s.n. (MIM), Carr 17725 (MIM). |
| Cyperaceae | <i>Carex cherokeensis</i> Schwein. | Cherokee sedge | N | GP | Rare(?); one population in unshaded drainage ditch along road in NE 1/4 of preserve. | In fruit, 23 Apr 1998. | Carr 17506 (MIM). |
| Cyperaceae | <i>Carex tetrastachya</i> Scheele [<i>Carex brittoniana</i> Bailey] | Britton's sedge | N | GP | Rare in wetter spots in upland prairies. | In flower and fruit, 22 Apr 1998. | Carr 17429 (MIM). |
| Cyperaceae | <i>Cyperus acuminatus</i> T. & H. | Taperleaf umbrellasedge | N | GA | Frequent in wet pastures. | In fruit, 31 Oct 1997, 7 Nov 1997. | Carr 17474 (MIM). |
| Cyperaceae | <i>Cyperus articulatus</i> L. | Jointed umbrella-sedge | N | GP | Frequent in wet ditches and freshwater wetlands. | In flower and fruit, 8 Jul 1997, 31 Oct 1997 | Carr 16740. |
| Cyperaceae | <i>Cyperus elegans</i> L. | Sticky umbrellasedge | N | GP | Frequent in drainage ditches and freshwater wetlands. | In flower and fruit, 8 Jul 1997, 31 Oct 1997, 6-7 Oct 2005, 2 Nov 2010 | Carr 16743, Carr 17930. |
| Cyperaceae | <i>Cyperus entrerianus</i> Boeckl. | Deep-rooted sedge | E | GP | Locally common in drainage ditches along roads; target of eradication efforts. | In flower and fruit, 6-7 Oct 2005, 3-4 Nov 2005. | Carr & Harrell 24248. |
| Cyperaceae | <i>Cyperus haspan</i> L. | Sheathed umbrellasedge | N | GA | Rare in drainage ditches and mudflats along WRP pond. | In flower, 6 Nov 1997, 4 Nov 2005. | Carr 17181; Carr & Harrell 24241 (MIM). |
| Cyperaceae | <i>Cyperus iria</i> L. | Ricefield umbrellasedge | E | GA | Occasional in ditches and wet pastures. | In flower and fruit, 31 Oct 1997 and 6 Nov 1997. | Carr 17170, Carr 17905 (MIM). |
| Cyperaceae | <i>Cyperus ochraceus</i> Vahl | Umbrellasedge | N | GA | | | Bruce s.n. (MIM). |
| Cyperaceae | <i>Cyperus odoratus</i> L. | Umbrellasedge | N | GA | Rare along margin of Mad Island Slough. | In fruit, 9 Nov 2000. | Bruce s.n. (MIM). |
| Cyperaceae | <i>Cyperus pseudovegetus</i> Steud. | Umbrellasedge | N | GP | | | Bruce s.n. (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|------------|--|-----------------------|---------|------|---|---|--|
| Cyperaceae | <i>Cyperus</i> sp. | Umbrellasedge | N | GP | Occasional in sandy loam in seasonally wet drainage ditch on side of unshaded levee road through somewhat salty prairie, both sides of N-S road N of Shell Lake, E of Mad Island Lake, S edge of preserve. | In flower and fruit, 8 Jul 1997. | Carr 16747. |
| Cyperaceae | <i>Cyperus</i> sp. | Umbrellasedge | N | GP | Occasional in sandy loam in seasonally wet drainage ditch on NW side of road running NE-SW through somewhat salty prairie in south-central part of preserve, 500-1500 ft. NE of 90° curve in road ca. 1.0 miles SW of its jct. with main preserve road. | In flower and fruit, 8 Jul 1997 | Carr 16749. |
| Cyperaceae | <i>Cyperus</i> sp. (something in the complex involving <i>Cyperus croceus</i> Vahl [<i>Cyperus globulosus</i> of auth.] and <i>Cyperus echinatus</i> (L.) Wood [<i>Cyperus ovularis</i> Torr.] | Upland umbrellasedge | N | GP | Occasional in sandier spots in recently burned little bluestem-brownseed paspalum grasslands. | In flower and fruit, 31 Oct 1997, 6 Nov 1997. | Carr 17187. |
| Cyperaceae | <i>Cyperus squarrosus</i> L. [<i>C. aristatus</i> Rottb.] | Bearded flatsedge | N | GA | Rare on mudflat exposed within WRP pond. | In fruit, 4 Nov 2005. | Carr & Harrell 24243. |
| Cyperaceae | <i>Cyperus virens</i> Michx. | Green umbrellasedge | N | GP | Occasional in drainage ditches and wet prairies. | In flower, 20 Apr 2004. | |
| Cyperaceae | <i>Eleocharis albida</i> Torr. | White spikesedge | N | GP | | | Bruce s.n., originally determined <i>E. acicularis</i> . |
| Cyperaceae | <i>Eleocharis cellulosa</i> Torr. | Gulfcoast spikesedge | N | GP | Locally common in cat-tail colonies along Mad Island Lake. | In fruit, 9 Nov 2000. | Bruce s.n. (MIM). |
| Cyperaceae | <i>Eleocharis montevidensis</i> Kunth | Sand spikesedge | N | GP | Abundant along margins of freshwater wetlands. | In flower and fruit, 22 Apr 1998. | Carr 17442. |
| Cyperaceae | <i>Eleocharis palustris</i> (L.) Roem. & Schult. [<i>Eleocharis macrostachya</i> Britt.] | Largespike spikesedge | N | GP | Common in large freshwater wetland on heavy loamy soils in Shell Lake. | In flower and fruit, 8 Jul 1997. | Carr 16741. |
| Cyperaceae | <i>Eleocharis quadrangulata</i> (Michx.) Roem. & Schult. | Foursquare spikesedge | N | GP | Locally abundant in a few wet ditches and freshwater wetlands (Pintail Pond and WRP Pond). | In flower, 4 Nov 2005, 2 Nov 2010. | Carr & Harrell 24247 (TEX); Carr 29217 (TEX). |
| Cyperaceae | <i>Eleocharis</i> sp. | Spikesedge | N | GP | Common in freshwater wetland along N side of road to HQ. | In flower, 22 Apr 1998. | Carr 17441 (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|---------------|---|----------------------------|---------|------|--|--|---|
| Cyperaceae | <i>Fimbristylis</i> sp. (probably <i>Fimbristylis puberula</i> (Michx.) Vahl.) | Upland fimbry | N | GP | Common in little bluestem-brownseed paspalum grasslands. | In flower and fruit, 31 Oct 1997, 6 Nov 1997, 22 Apr 1998. | Bruce s.n. (MIM), originally determined E. montevidensis; Carr 17187. |
| Cyperaceae | <i>Isolepis carinatus</i> (Hook. & Arn.) ex Torr. [<i>Scirpus koilolepis</i> (Steud.) Gleason] | Keeled bulrush | N | GA | Locally common in bed of road between two upland pastures. | In fruit, 10 Apr 2010 | Carr 28784. |
| Cyperaceae | <i>Rhynchospora caduca</i> Ell. | Anglestem beakrush | N | GP | | | Bruce s.n. [needs confirmation]. |
| Cyperaceae | <i>Rhynchospora corniculata</i> (Lam.) Gray | Horned beakrush | N | GP | Occasional in sandy loam in seasonally wet drainage ditch on NW side of road running NE-SW through somewhat salty prairie in south-central part of preserve, 500-1500 ft. NE of 90° curve in road ca. 1.0 miles SW of its jct. with main preserve road, N of Shell Lake, E of Mad Island Lake. | In flower and fruit, 8 Jul 1997; in late fruit, 19 Nov 1998. | Carr 16752, Carr 17926 (MIM). |
| Cyperaceae | <i>Rhynchospora indianolensis</i> Small | Indianola beakrush | N | GP | Locally abundant in drainage ditches and various wet pastures. | In flower and/or fruit, 8 Jul 1997, 31 Oct 1997, 7 Nov 1997, 22 Apr 1998, 19 Nov 1998; no plants detected on 6-7 Oct 2005. | Bruce s.n. (MIM), originally determined R. corniculata; Carr 16748, Carr 17169, Carr 17432 (MIM), Carr 17929 (MIM, BRIT/SMU). |
| Cyperaceae | <i>Schoenoplectus californicus</i> (C. A. Meyer) J. Sojak [<i>Scirpus californicus</i> (C. A. Meyer) Steud.] | Tule, giant bulrush | N | GP | A few colonies in Shell Lake and Mad Island Slough. | In flower, 22 Apr 1998. | Carr 17482 (MIM). |
| Cyperaceae | <i>Schoenoplectus pungens</i> (Vahl) Palla [<i>Scirpus pungens</i> Vahl; <i>Scirpus americanus</i> of Texas authors] | Three-square bulrush | N | GP | A few colonies in Shell Lake. | | |
| Ebenaceae | <i>Diospyros texana</i> Scheele | Texas persimmon | N | S | Frequent in woodland strip on shell ridge along Intracoastal Waterway. | | Bruce s.n. (MIM). |
| Euphorbiaceae | <i>Caperonia palustris</i> (L.) St. Hil. | Marsh caperonia, sacatrapa | E | FA | Local in drainage ditches and rice fields. | | Carr & Sullivan 29011 (TEX-LL). |
| Euphorbiaceae | <i>Croton capitatus</i> Michx. var. <i>capitatus</i> | Woolly croton, hog croton | N | FA | Occasional to locally abundant in upland grasslands. | In flower, 7-9 Nov 2000. | Bruce s.n. (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|---------------|---|-----------------------------|---------|------|---|--|---|
| Euphorbiaceae | <i>Croton capitatus</i> Michx. var. <i>lindheimeri</i> (Engelm. & Gray) Muell. Arg. | Hog croton | N | FA | | | Bruce s.n. (MIM). |
| Euphorbiaceae | <i>Croton glandulosus</i> L. | Toothed croton | N | FA | Occasional in transitional grasslands; also on sandy soils of pimple mounds. | In fruit, 8 Nov 2000. | Carr & Dumesnil 19314 (MIM); Carr 24163. |
| Euphorbiaceae | <i>Croton monanthogynus</i> Michx. | Oneseed croton | N | FA | . | | Bruce s.n. (MIM). |
| Euphorbiaceae | <i>Ditaxis humilis</i> (Engelm. & Gray) Pax var. <i>humilis</i> [<i>Argythamnia humilis</i> (Engelm. & Gray) Muell. Arg. var. <i>humilis</i>] | Low wild-mercury | N | FP | Frequent in openings on shell ridge along Intracoastal Waterway and in recently-burned upland prairies. | In fruit, 31 Oct 1997, 7 Nov 1997; in flower and fruit, 22 Apr 1998. | Carr 17465 (MIM). |
| Euphorbiaceae | <i>Euphorbia bicolor</i> Engelm. & Gray | Snow-on-the-pasture | N | FA | Occasional in upland pastures, sometimes concentrated in drainage ditches. | In fruit, 9 Nov 2000; in flower and fruit, 6-7 Oct 2005. | Bruce s.n. (MIM); Carr 24137. |
| Euphorbiaceae | <i>Euphorbia maculata</i> L. [<i>Chamaesyce maculata</i> (L.) Small] | Dotted mat-spurge | N | FA | Common in roadbeds and recently-burned cordgrass pastures. | In flower and fruit, 6-7 Oct 2005. | Bruce s.n. (MIM). |
| Euphorbiaceae | <i>Euphorbia nutans</i> Lag. [<i>Chamaesyce nutans</i> (Lag.) Small] | Eyebane, nodding spurge | N | FA | . | | Bruce s.n. (MIM). |
| Euphorbiaceae | <i>Phyllanthus polygonoides</i> Spreng. | Knotweed leaf-flower | N | FP | Rare in openings on shell ridge along Intracoastal Waterway. | In flower and fruit, 22 Apr 1998. | Carr 17466 (MIM). |
| Euphorbiaceae | <i>Triadica sebifera</i> (L.) Small [<i>Sapium sebiferum</i> (L.) Roxb.] | Chinese tallow-tree | N | T | Occasional throughout; eradication efforts ongoing. | | Bruce s.n. (MIM). |
| Fabaceae | <i>Acacia schaffneri</i> (S. Wats.) Hermann [<i>Acacia tortuosa</i> of Texas authors] | Huisachillo, twisted acacia | N | S | Frequent on shell ridge along Intracoastal Waterway. | In flower, 6-7 Mar 2000; vegetative, 4 Nov 2005. | Carr & Harrell 24251. |
| Fabaceae | <i>Acacia smallii</i> Isely [<i>Acacia farnesiana</i> of authors; <i>A. minuata</i> (M. E. Jones) Beauch.] | Huisache | N | T | Occasional in strip of woodland on back side of shell ridge. | | |
| Fabaceae | <i>Amorpha fruticosa</i> L. | Bastard indigo | N | S | Rare, local, a few shrubs along margin of shrub thicket on shell ridge along Intracoastal Waterway. | In flower, 7 Mar 2000. | Carr 18672 (MIM). |
| Fabaceae | <i>Astragalus</i> sp | Milkvetch | N | FA | Rare in dry sandy soil along margin of shrubland on shell ridge along Intracoastal Waterway. | In very late fruit, 8 Jul 1997. | No <i>Astragalus</i> species were noted during Apr 1998 survey. |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|----------|--|----------------------|---------|------|--|---|--|
| Fabaceae | <i>Baptisia bracteata</i> Eil. var. <i>glabrescens</i> (Larisey) Isely [<i>Baptisia leucophaea</i> Nutt.] | Nodding wild-indigo | N | FP | Rare in upland prairies. | In fruit, 22 Apr 1998. | Bruce s.n. (MIM). |
| Fabaceae | <i>Chamaecrista fasciculata</i> (Michx.) Greene [<i>Cassia fasciculata</i> Michx.] | Partridge pea | N | FA | Rare in recently-burned upland grasslands, most conspicuous on pimple mounds. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Fabaceae | <i>Dalea candida</i> [<i>Petalostemum candidum</i>] | White prairie-clover | N | FP | Rare in upland prairie near house at N end of preserve. | | |
| Fabaceae | <i>Desmanthus virgatus</i> (L.) Willd. var. <i>depressus</i> (Willd.) B. L. Turner | Bundleflower | N | FP | Occasional in upland prairies. | In flower and early fruit, 6-7 Mar 2000. | Carr 18677 (MIM). |
| Fabaceae | <i>Erythrina herbacea</i> L. | Coral-bean | N | S | Occasional in shrubland on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998; in fruit, 7 Oct 2005. | Bruce s.n. (MIM). |
| Fabaceae | <i>Galactia marginalis</i> Benth. | Oneleaf milkpea | N | FP | Rare in transitional prairie. | In fruit, 9 Nov 2000; in flower, 7 Oct 2005. | Carr 24162. |
| Fabaceae | <i>Indigofera miniata</i> Ort. | Scarlet pea | N | FP | Frequent in openings on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Fabaceae | <i>Indigofera suffruticosa</i> Mill. | Shrubby indigo | E | FP | Occasional in dry sandy soil along margin of shrubland on shell ridge along Intracoastal Waterway. | In fruit, 8 Jul 1997. | |
| Fabaceae | <i>Medicago minima</i> (L.) Bartalina | Least burclover | E | FA | Occasional in roadbeds | In flower, 22 Apr 1998. | |
| Fabaceae | <i>Medicago polymorpha</i> L. var. <i>vulgaris</i> (Benth.) Shinnars | Burclover | E | FA | Occasional in lawn at HQ. | In fruit, 20 Apr 2004. | |
| Fabaceae | <i>Melilotus albus</i> Medic. | White sweetclover | E | FA | Rare in disturbed sites. | | |
| Fabaceae | <i>Melilotus indicus</i> (L.) All. | Yellow sweet-clover | E | FA | | | Bruce s.n. (MIM); originally determined <i>Trifolium campestre</i> . |
| Fabaceae | <i>Mimosa</i> sp. [<i>Schrankia</i> sp.] | Sensitive-briar | N | FP | Rare in upland prairie near house at N end of preserve. | | |
| Fabaceae | <i>Neptunia lutea</i> (Leavenw.) Benth. | Yellowpuff | N | FP | Occasional in upland grasslands. | In flower, 7 Nov 1997. | Unmounted anonymous specimen (MIM). |
| Fabaceae | <i>Neptunia pubescens</i> Benth. | Tropical yellow-puff | N | FP | Occasional in upland and salty prairies. | | Bruce s.n. (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|-----------------|---|---------------------------------------|---------|------|--|--|--|
| Fabaceae | <i>Parkinsonia aculeata</i> L. | Retama | N | S | Apparently rare, noted only in fenceline in SE 1/4 of preserve and in shrubland on shell ridge. | In fruit, 9 Nov 2000; in flower, 7 Oct 2005. | Bruce s.n. (MIM). |
| Fabaceae | <i>Prosopis glandulosa</i> Torr. | Honey mesquite | N | T | Occasional throughout | | Bruce s.n. (MIM). |
| Fabaceae | <i>Rhynchosia americana</i> (Mill.) C. Metz | Oneleaf snoutbean | N | FP | Occasional in dry sandy soil along margin of shrubland on shell ridge along Intracoastal Waterway. | In flower, 8 Jul 1997. | |
| Fabaceae | <i>Rhynchosia minima</i> (L.) DC. | Least snoutbean | N | FPV | | | Bruce s.n. (MIM); originally determined <i>Rhynchosia senna</i> var. <i>texana</i> |
| Fabaceae | <i>Sesbania drummondii</i> (Rydb.) Cory | Drummond sesbania, rattlebox sesbania | N | FP | Frequent in stock tanks and freshwater wetlands. | In fruit, 7-9 Nov 2000, 6-7 Oct 2005. | Bruce s.n. (MIM). |
| Fabaceae | <i>Sophora secundiflora</i> (Ort.) DC. | Texas mountain-laurel, mescal bean | N | S | Common in shrubland on shell ridge along Intracoastal Waterway. | In fruit, 22 Apr 1998. | Bruce s.n. (MIM). |
| Fabaceae | <i>Trifolium carolinianum</i> Michx. | Carolina clover | N | FA | Locally common in recently burned upland prairie on lighter soils in SE 1/4 of preserve. | In fruit, 22 Apr 1998. | Carr 17455 (MIM). |
| Fabaceae | <i>Vicia ludoviciana</i> Nutt. | Louisiana vetch | N | FA | Occasional in prairie near HQ. In flower and fruit, 20 Apr 2004. | | |
| Fabaceae | <i>Vicia minutiflora</i> Dietr. | Smallflower vetch | N | FA | | | Bruce s.n. (MIM). [needs confirmation]. |
| Fabaceae | <i>Vigna luteola</i> (Jacq.) Benth. | Cow pea | N | FPV | Common along Mad Island Slough; scattered along margins of other freshwater wetlands. | In flower, 22 Apr 1998, 1 Sep 2000. | Bruce s.n. (MIM). |
| Gentianaceae | <i>Eustoma exaltatum</i> (L.) G. Don. | Bluebell gentian | N | FA | Occasional on moist flats along Mad Island Lake. | . | Bruce s.n. (MIM). |
| Gentianaceae | <i>Sabatia campestris</i> Nutt. | Prairie rose-gentian | N | FA | Common in prairies throughout. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Geraniaceae | <i>Geranium carolinianum</i> L. | Carolina wild-geranium | N | FA | Occasional on roadbase and in drier portions of recently-burned prairies. | In fruit, 23 Apr 1998. | |
| Hydrophyllaceae | <i>Hydrolea ovata</i> Choisy | Eggleaf hydrolea | N | FP | . | | |
| Hydrophyllaceae | <i>Phacelia congesta</i> Hook. | Blue curls | N | FA | Occasional in shade of woodland on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998. | Carr 17460 (MIM). |
| Hydrophyllaceae | <i>Phacelia patuliflora</i> (Engelm. & Gray) Gray var. <i>patuliflora</i> | Sand phacelia | N | FA | Rare in sand/shell mix along margin of shrubland on shell ridge along Intracoastal Waterway. | In flower, 7 Mar 2000. | Carr 18676 (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|--------------|--|------------------------------------|---------|------|---|---|---------------------------------------|
| Iridaceae | <i>Herbertia lahue</i> (Mol.) Goldblatt [<i>Alophia drummondii</i> of Correll & Johnston, not (Graham) Foster] | Celestials | N | FP | Frequent in upland prairies. | In flower and fruit, 22 Apr 1998. | Bruce s.n., Carr 17448 (MIM). |
| Iridaceae | <i>Sisyrinchium angustifolium</i> Nutt. | Blue-eyed grass | N | FP | | | Bruce s.n. (MIM) [needs verification] |
| Iridaceae | <i>Sisyrinchium exile</i> Bickn. | Annual blue-eyed grass | N | FA | Rare in upland prairies. | In flower and fruit, 22 Apr 1998. | Carr 17428 (MIM). |
| Iridaceae | <i>Sisyrinchium sagittiferum</i> Bickn. | Papersheath blue-eyed grass | N | FP | Frequent in upland prairies. | In flower and fruit, 22 Apr 1998. | Carr 17427 (MIM). |
| Juncaceae | <i>Juncus brachycarpus</i> Engelm. | Shortpod rush | N | GP | Locally abundant in clay in fairly deep drainage ditch near jct. of two roads leading to Intracoastal Waterway. | In fruit, 22 Apr 1998. | Carr 17476 (MIM). |
| Juncaceae | <i>Juncus interior</i> Wieg. | Inland rush | N | GP | Occasional in drainage ditches. | In fruit, 8 Jul 1997. | |
| Juncaceae | <i>Juncus marginatus</i> Rostk. | Grassleaf rush, twoflower rush | N | GP | Frequent in drainage ditches and upland grasslands. | In fruit, 8 Jul 1997; in flower and fruit, 22 Apr 1998. | Carr 16746. |
| Juncaceae | <i>Juncus</i> sp. | Rush | N | GP | Occasional in sandy loam in seasonally wet drainage ditch on both sides of N-S road N of Shell Lake. | In fruit, 8 Jul 1997. | Carr 16744. |
| Juncaceae | <i>Juncus</i> sp. | Annual rush | N | GA | Locally common in a few recently burned upland pastures in NW part of preserve. | In flower and early fruit, 10 Apr 2010. | Carr 28782. |
| Juncaceae | <i>Juncus validus</i> Cov. | Roundhead rush | N | GP | | In fruit, 8 Jul 1997. | Carr 16751. |
| Krameriaceae | <i>Krameria lanceolata</i> Torr. | Trailing ratany | N | FP | Rare in upland grasslands on tight sandy soils. | In flower, 20 Apr 2004, 7 Oct 2005. | |
| Lamiaceae | <i>Hedeoma hispidum</i> Pursh | Rough hedeoma | N | FA | Frequent in upland prairies on lighter soils. | In flower and fruit, 22 Apr 1998. | Carr 17449 (MIM). |
| Lamiaceae | <i>Monarda citriodora</i> Cerv. ex Lag. var. <i>citriodora</i> | Lemon beebalm, purple horsemint | N | FA | . | | |
| Lamiaceae | <i>Monarda punctata</i> L. | Spotted beebalm | N | FA | Rare in upland prairies on lighter soils. | In early flower, 23 Apr 1998. | Bruce s.n. (MIM). |
| Lamiaceae | <i>Physostegia angustifolia</i> Fern. | Obedient plant, Edward's lionheart | N | FP | Apparently rare on preserve, noted only on lawn near HQ. | In flower, 20 Apr 2004. | Carr, Laing & Crawford 23026 (MIM). |
| Lamiaceae | <i>Scutellaria drummondii</i> Benth. | Drummond skullcap | N | FA | Frequent in openings in brush strip on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998. | Carr 17464 (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|-----------|---|-----------------------|---------|------|--|---|--|
| Lamiaceae | <i>Scutellaria ovata</i> Hill. | Eggleaf skullcap | N | FP | . | | |
| Lamiaceae | <i>Teucrium canadense</i> L. var. <i>canadense</i> | American germander | N | FP | . | | |
| Lamiaceae | <i>Teucrium cubense</i> Jacq. [According to Bruce (1994), both var. <i>cubense</i> and var. <i>laevigatum</i> (Vahl) McCl. & Epl. are present.] | Coast germander | N | FA | Occasional along margins of brush stands. | In flower, 20 Apr 2004. | Bruce s.n. (MIM). |
| Lemnaceae | <i>Lemna</i> sp. | Duckweed | N | FA | Locally common with <i>Azolla caroliniana</i> , <i>Spirodela polyrhiza</i> and <i>Wolffia</i> sp. on surface of Mad Island Slough at crossing of main preserve road. | | Carr 17729 (MIM). |
| Lemnaceae | <i>Spirodela polyrhiza</i> (L.) Schleid. | Common duckmeat | N | FA | Locally common with <i>Azolla caroliniana</i> , <i>Lemna</i> sp. and <i>Wolffia</i> sp. on surface of Mad Island Slough at crossing of main preserve road. | | Carr 17730 (MIM). |
| Lemnaceae | <i>Wolffia</i> sp. | Water-meal | N | FA | Locally common with <i>Spirodela polyrhiza</i> , <i>Lemna</i> sp. and <i>Azolla caroliniana</i> on surface of Mad Island Slough at crossing of main preserve road. | | Carr 17731 (MIM). |
| Liliaceae | <i>Allium canadense</i> L. var. <i>mobilense</i> (Regel) M. Ownbey | Wild-onion | N | FP | Occasional in upland grasslands. | In flower, 22 Apr 1998. | Carr 17447 (MIM). |
| Liliaceae | <i>Cooperia drummondii</i> Herb. | Rain-lily | N | FP | Rare in upland grasslands. | In flower, 8 Nov 2000. | Bruce s.n. (MIM). |
| Liliaceae | <i>Habranthus tubispathus</i> (L'Her.) Traub | Copper lily | E | FP | Occasional in upland grasslands; locally abundant in lawn at HQ. | In flower, 7 Nov 2000. and 18 Jul 2005. | Bruce s.n. (MIM); Carr & Dumesnil 19371 (MIM). |
| Liliaceae | <i>Hymenocallis liriosme</i> (Raf.) Shinnars | Spider lily | N | FP | Several plants in drainage ditch on W side of main road just N of jct. with road to HQ. | In flower, 22 Apr 1998. | |
| Liliaceae | <i>Nothoscordum bivalve</i> (L.) Britt. | Crow poison | N | FP | Occasional in upland prairies on lighter soils. | In fruit, 22 Apr 1998; in flower and fruit, 7-9 Nov 2000. | Bruce s.n. (MIM). |
| Liliaceae | <i>Schoenocaulon drummondii</i> Gray | Drummond's green-lily | N | FP | Rare, one plant noted in upland prairie on Edna soils in NW 1/4 of preserve. | In flower, 9 Nov 2000. | |
| Linaceae | <i>Linum imbricatum</i> (Raf.) Shinnars | Tufted flax | N | FA | Occasional in recently-burned upland prairies on lighter soils. | In fruit, 22 Apr 1998. | Carr 17454 (MIM). |
| Linaceae | <i>Linum rigidum</i> Pursh | Stiff flax | N | FA | | | Bruce s.n. (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|----------------|---|-----------------------------------|---------|------|---|---|--|
| Loasaceae | <i>Mentzelia oligosperma</i> Sims | Stickleaf, chickenthiel, pegajosa | N | FP | Occasional in shrubland on shell ridge along Intracoastal Waterway. | Vegetative, 22 Apr 1998; in flower and fruit, 7 Oct 2005. | Bruce s.n. (MIM). |
| Lythraceae | <i>Ammannia auriculata</i> Willd. | Earleaf ammannia | N | FA | | | Bruce s.n. (MIM). |
| Lythraceae | <i>Ammannia coccinea</i> Rottb. | Scarlet ammannia | N | FA | | | Bruce s.n. (MIM). |
| Lythraceae | <i>Lythrum alatum</i> Pursh var. <i>lanceolatum</i> (Eil.) T. & G. [<i>Lythrum lanceolatum</i> Eil.] | Lanceleaf loosestrife | N | FP | | | Bruce s.n. (MIM). |
| Lythraceae | <i>Lythrum californicum</i> T. & G. | California loosestrife | N | FP | | | Bruce s.n. (MIM) [needs verification]. |
| Malvaceae | <i>Abutilon fruticosum</i> Pen. & Rich. [<i>Abutilon incanum</i> (Link) Sweet] | Texas Indian-mallow, pelotazo | N | FP | Locally frequent in shrubland on shell ridge along Intracoastal Waterway. | In flower and fruit, 7 Oct 2005. | Bruce s.n. (MIM). |
| Malvaceae | <i>Callirhoe</i> sp. | Winecup | N | FP | Rare in upland prairie in NE 1/4 of preserve. Vegetative, 8 Nov 2000. | | |
| Malvaceae | <i>Malvaviscus arboreus</i> Cav. var. <i>drummondii</i> (T. & G.) Schery | Turk's-cap mallow | N | FP | Frequent in and along margins of shrubland on shell ridge along Intracoastal Waterway. | In flower, 8 Jul 1998, 7 Oct 2005. | Bruce s.n. (MIM). |
| Malvaceae | <i>Modiola caroliniana</i> (L.) G. Don | Carolina modiola | N | FA | Occasional in prairie near HQ. | In fruit, 20 Apr 2004. | Carr 17452 (MIM). |
| Malvaceae | <i>Sida abutifolia</i> Mill. [<i>Sida filicaulis</i> T. & G.] | Spreading sida | N | FP | Occasional in roadbeds, particularly on shell ridge along Intracoastal Waterway. | In fruit, 6-7 Oct 2005. | Bruce s.n. (MIM). |
| Malvaceae | <i>Sida ciliaris</i> L. | Bracted sida | N | FP | Frequent in roadbeds; less common in threeawn patches in upland or transitional prairies. | In flower and fruit, 6 Nov 1997, 7-9 Nov 2000. | Carr 17179. |
| Malvaceae | <i>Sida lindheimeri</i> Engelm. & Gray | Lindheimer sida | N | FP | Occasional on pimple mounds and other sandy sites. | In flower, 8 Nov 2000, 6-7 Oct 2005. | Bruce s.n. (MIM), Carr & Dumesnil 19313 (MIM); Carr 24125. |
| Malvaceae | <i>Sida</i> sp. (<i>Sida rhombifolia</i> L.?) | Sida | N | FP | Occasional in grazed pastures on heavier soils. | In flower and fruit, 6-7 Oct 2005. | Carr 17175 (MIM); Carr 24126. |
| Meliaceae | <i>Melia azedarach</i> L. | Chinaberry | E | T | At least one mature tree and numerous saplings in shrubland on shell ridge along Intracoastal Waterway. | In fruit, 7 Oct 2005, 4 Nov 2005. | Carr & Harrell 24252. |
| Menispermaceae | <i>Cocculus carolinus</i> (L.) DC. | Carolina snailseed | N | FPV | Occasional in woodland on shell ridge along Intracoastal Waterway. | Vegetative, 22 Apr 1998; in flower, 7 Oct 2005. | Carr 24153. |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|---------------|---|------------------------------------|---------|------|--|---|---|
| Menyanthaceae | <i>Nymphoides indica</i> (L.) Kuntze | Water snowflake | E | FQ | Locally common on surface of SE cell of Pintail Pond. | In flower, 20 Oct 2010. | Carr 29189. |
| Najadaceae | <i>Najas guadalupensis</i> (Spreng.) Magnus. | Guadalupe water-naiad | N | FQ | Common in WRP pond, Pintail Pond. | In fruit, 20 Apr 2004, 4 Nov 2005. | Carr & Harrell 24244. |
| Nelumbonaceae | <i>Nelumbo lutea</i> (Willd.) Pers. | Yellow water-lotus | N | FP | Locally common at several locations in Mad Island Slough (e.g., at crossing of main preserve road); also in Pintail Pond SW cell | In flower, 1 Sep 2000; in fruit, 6-7 Oct 2005. | |
| Nyctaginaceae | <i>Boerhavia diffusa</i> L. [<i>Boerhavia coccinea</i> Mill.] | Scarlet spiderling | E | FP | Common in dry sand and shell in roadbeds on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998, 7 Oct 2005. | Carr 17461 (MIM). |
| Nymphaeaceae | <i>Nymphaea elegans</i> Hook. | Blue water-lily | N | FP | Locally common in deep water in Mad Island Slough at crossing of main preserve road. | In flower, 20 Aug 1998, 1 Sep 2000, 6-7 Oct 2005. | Carr 24164. |
| Oleaceae | <i>Forestiera angustifolia</i> Torr. [<i>Forestiera texana</i> Cory] | Narrowleaf elbowbush, panalero | N | S | Common in shrubland on shell ridge along Intracoastal Waterway; often co-dominant with <i>Zanthoxylum fagara</i> in smaller shrub mottes at scattered other locations. | In fruit, 22 Apr 1998. | Bruce s.n. (MIM). |
| Onagraceae | <i>Calylophus berlandieri</i> Spach subsp. <i>berlandieri</i> [<i>Calylophus drummondianus</i> Spach subsp. <i>berlandieri</i> (Spach) Towner & Raven] | Berlandier sundrops | N | FP | Frequent in openings in shrubland on shell ridge along Intracoastal Waterway. | In flower, 8 Jul 1997, 22 Apr 1998. | Bruce s.n. (MIM), Carr 16738, Carr 17472 (MIM). |
| Onagraceae | <i>Calylophus drummondianus</i> Spach subsp. <i>drummondianus</i> | Drummond sundrops | N | FP | | | Bruce s.n. (MIM). |
| Onagraceae | <i>Gaura brachycarpa</i> Gray | Shortfruit gaura | N | FA | Occasional in upland grasslands. | In fruit, 20 Apr 2004. | |
| Onagraceae | <i>Gaura longiflora</i> Spach [<i>Gaura filiformis</i> Small] | Tall gaura | N | FP | Occasional in openings on shell ridge along Intracoastal Waterway. | In flower, 8 Jul 1997. | Bruce s.n. (MIM), Carr 16733. |
| Onagraceae | <i>Gaura parviflora</i> Doug. ex Lehm. | Lizardtail gaura | N | FA | | | Bruce s.n. (MIM). |
| Onagraceae | <i>Ludwigia erecta</i> (L.) Hara | erect seedbox | N | FP | Collected on 20 April 2004 from shoreline of WRP pond; second collection from TX. | | Carr 23031 (TEX) |
| Onagraceae | <i>Ludwigia glandulosa</i> Walt. | Torrey seedbox, water-primrose | N | FP | Occasional in drainage ditches and along margins of freshwater wetlands. | In fruit, 8 Jul 1997; in flower and fruit, 22 Apr 1998. | Carr 16750, Carr 17445; Carr 23030. |
| Onagraceae | <i>Ludwigia linearis</i> Walt. | Narrowleaf seedbox, water-primrose | N | FP | Rare in freshwater wetland along road to HQ, 0.6-0.7 mi SW of main NW-SE road. | In flower and fruit, 22 Apr 1998. | Carr 17440 (MIM); Carr & Laing 24234. |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|-----------------|--|--------------------------|---------|------|--|---|--------------------------------------|
| Onagraceae | <i>Ludwigia octovalvis</i> (Jacq.) Raven var. <i>octovalvis</i> | Tall water-primrose | N | FP | Frequent in freshwater wetlands. | In fruit, 7-9 Nov 2000. | Bruce s.n. (MIM). |
| Onagraceae | <i>Ludwigia peploides</i> (Kunth) Raven | Smooth water-primrose | N | FP | Occasional in rice fields and other wetlands. | | Bruce s.n. (MIM). |
| Onagraceae | <i>Ludwigia uruguayensis</i> (Camb.) Hara | Uruguay water-primrose | N | FP | Local in ponded area on W edge of Mad Island Slough just S of main road dike. | In flower, 20 Apr 2004. | Carr, Laing & Crawford 23026 (MIM). |
| Onagraceae | <i>Oenothera laciniata</i> Hill. | Cutleaf evening-primrose | N | FP | Occasional in upland grasslands on lighter soils. | | Carr 17491 (MIM). |
| Onagraceae | <i>Oenothera spachiana</i> T. & G. | Spach's evening-primrose | N | FA | Rare in upland grasslands on lighter soils. | In flower and fruit, 23 Apr 1998. | Carr 17496 (MIM). |
| Onagraceae | <i>Oenothera speciosa</i> Nutt. | Common evening-primrose | NP | P | | | Bruce s.n. (MIM). |
| Ophioglossaceae | <i>Ophioglossum crotalophoroides</i> Walt. | Heartleaf adder's-tongue | N PP | PP | Frequent in upland and transitional prairies; less common in sparsely vegetated openings on shell ridge along Intracoastal Waterway. | With immature spores, 14 Nov 1998; mostly vegetative, 6 Mar 2000. | Carr 17912 (MIM); Carr 18667. |
| Orchidaceae | <i>Spiranthes vernalis</i> Engelm. & Gray | Spring ladies'-tresses | N | FP | Occasional in upland prairies. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Oxalidaceae | <i>Oxalis dillenii</i> Jacq. | Yellow sour-clover | N | FA | Occasional throughout. | In flower, 22 Apr 1998. | |
| Oxalidaceae | <i>Oxalis violacea</i> L. | Purple wood-sorrel | N | FP | Occasional in moist upland grasslands. | In flower, 31 Oct 1997, 6 Nov 1997. | |
| Papaveraceae | <i>Argemone albiflora</i> Hornem. subsp. <i>texana</i> G. Ownbey | White prickly-poppy | N | FA | Occasional in openings in shrubland on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Phytolaccaceae | <i>Phytolacca americana</i> L. | Pokeweed | N | FA | Rare along margin of woodland on back side of shell ridges along Intracoastal Waterway. | Vegetative, 20 Apr 2004. | unmounted anonymous specimen at MIM. |
| Phytolaccaceae | <i>Rivina humilis</i> L. | Pigeonberry | N | FP | Rare under shrubs in scattered upland mottes; also in brush strip on shell ridge along Intracoastal Waterway. | In flower and fruit, 31 Oct 1997 and 7 Oct 2005; in bud, 22 Apr 1998. | Carr 24142. |
| Plantaginaceae | <i>Plantago aristata</i> Michx. | Bottlebrush plantain | N | FA | Occasional in recently burned upland grasslands on lighter soils. | In flower, 23 Apr 1998. | Bruce s.n. (MIM), Carr 17489 (MIM). |
| Plantaginaceae | <i>Plantago rhodosperma</i> Dcne. | Redseed plantain | N | FA | Occasional in upland grasslands and disturbed sites. | In fruit, 22 Apr 1998. | Bruce s.n. (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|----------------|--|---------------------|---------|------|---|---|---|
| Plumbaginaceae | <i>Limonium carolinianum</i> (Walt.) Britt. [<i>Limonium nashii</i> Small] | Sea lavender | N | FP | Occasional on moist saline flats. | In flower and fruit, 7-9 Nov 2000. | Bruce s.n. (MIM). |
| Poaceae | <i>Agrostis hiemalis</i> (Walt.) B.S.P. | Winter bentgrass | N | GA | Frequent in upland prairies on lighter soils. | | Carr 17431 (MIM). |
| Poaceae | <i>Andropogon glomeratus</i> (Walt.) B.S.P. | Bushy bluestem | N | GP | Occasional in drainage ditches. | In fruit, 6-7 Oct 2005. | Bruce s.n. (MIM). |
| Poaceae | <i>Andropogon ternarius</i> Michx. | Splitbeard bluestem | N | GP | | | Bruce s.n. (MIM). |
| Poaceae | <i>Aristida longespica</i> Poir. var. <i>geniculata</i> (Raf.) Fern. | Kearney threeawn | N | GA | Frequent in salty prairie along Mad Island Lake just W of preserve HQ; also on pimple mounds. | In fruit, 14 Nov 1998, 8 Nov 2000. | Carr 17907 (MIM); Carr & Dumesnil 19316 (MIM). |
| Poaceae | <i>Aristida oligantha</i> Michx. | Oldfield threeawn | N | GA | Locally common in heavily grazed upland grasslands and in sparsely vegetated areas on drier margins of Mad Island Lake just N of preserve HQ. | In fruit, 19 Nov 1998, 7-9 Nov 2000. | Carr 17922 (MIM); Carr & Dumesnil 19317 (MIM). |
| Poaceae | <i>Bothriochloa ischaemum</i> (L.) Keng. var. <i>songarica</i> (Fisch. & Mey.) Celarier & Harlan | King Ranch bluestem | E | GP | Abundant along shoulders of main roads. | In flower, 6-7 Oct 2005. | Carr 24140. Determination tentative; could be some other species of exotic grass. |
| Poaceae | <i>Bothriochloa longipaniculata</i> (Gould) Allred & Gould [<i>Bothriochloa saccharoides</i> (Sw.) Rydb. var. <i>longipaniculata</i> (Gould) Gould] | Silver bluestem | N | GP | Occasional in upland grasslands. | | Bruce s.n. (MIM). |
| Poaceae | <i>Bouteloua curtipendula</i> (Michx.) Torr. | Sideoats grama | N | GP | Rare in pasture on Edna soils, W side of main road opposite old residence. | In fruit, 9 Nov 2000. and 4 Nov 2005. | Carr & Harrell 24259. |
| Poaceae | <i>Bouteloua hirsuta</i> Lag. | Hairy grama | N | GP | Occasional in sandier spots in recently burned little bluestem-brownseed paspalum grasslands | In flower and fruit, 31 Oct 1997, 6 Nov 1997, 8 Nov 2000. | Carr 17184 (MIM), Carr & Dumesnil 19323 (MIM). |
| Poaceae | <i>Bouteloua rigidiseta</i> (Steud.) Hitchc. var. <i>rigidiseta</i> | Texas grama | N | GP | Frequent in prairies on lighter soils. | In flower, 31 Oct 1997, 23 Apr 1998, 19 Nov 1998. | Bruce s.n. (MIM). |
| Poaceae | <i>Bromus catharticus</i> Vahl [<i>Bromus unioloides</i> Kunth in H.B.K.] | Rescuegrass | N | GA | Common along road near HQ. | | Bruce s.n. (MIM). |
| Poaceae | <i>Catapodium rigidum</i> (L.) C. E. Hubb. ex Dony | Rigid catapodium | E | GA | Occasional along margin of shrubland on shell ridge along Intracoastal Waterway. | | Carr 17458 (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|---------|--|----------------------------|---------|------|---|--|--|
| Poaceae | <i>Cenchrus spinifex</i> Cav. [<i>Cenchrus incertus</i> M. A. Curtis] | Sandburgrass, grass-bur | N | GP | Common on pimple mounds and other relatively sandy sites. | In fruit, 7-9 Nov 2000. | Bruce s.n. (MIM). |
| Poaceae | <i>Chloris canterai</i> Arech. | Windmillgrass | E | GP | | | Bruce s.n. (MIM). |
| Poaceae | <i>Chloris ciliata</i> Sw. | Fringed chloris | N | GP | Frequent in upland grasslands. | In fruit, 7 Nov 2000, 3-4 Nov 2005. | Carr & Dumesnil 19309 (MIM); Carr & Laing 24238 (MIM); Carr & Harrell 24260. |
| Poaceae | <i>Chloris cucullata</i> Bisch. | Hooded windmillgrass | N | GP | Frequent in recently-burned prairies on lighter soils. | In flower, 23 Apr 1998, 7 Mar 2000. | Bruce s.n. (MIM). |
| Poaceae | <i>Chloris gayana</i> Kunth | Rhodesgrass | E | GP | | | Bruce s.n. (MIM). |
| Poaceae | <i>Chloris virgata</i> Sw. | Showy chloris | N | GA | Rare in little bluestem-brownseed paspalum grasslands. | In flower and fruit, 31 Oct 1997 | Carr 17172 (MIM). |
| Poaceae | <i>Cynodon dactylon</i> (L.) Pers. | Bermudagrass | E | GP | Occasional throughout, sometimes locally common on pimple mounds. | In fruit, 8 Nov 2000. | Bruce s.n. (MIM). |
| Poaceae | <i>Dactyloctenium aegyptium</i> (L.) Beauv. | Durban crowfoot | E | GA | Locally common in compacted sand and shell in roadbed on shell ridge along Intracoastal Waterway. | In fruit, 8 Nov 2000, 7 Oct 2005. | Carr 19324 (MIM); Carr 24157. |
| Poaceae | <i>Dichantherium aciculare</i> (Poir.) Gould & Clark [<i>Dichantherium angustifolium</i> (Ell.) Gould; <i>Panicum angustifolium</i> Ell.] | Narrowleaf panicgrass | N | GP | Rare in recently burned upland prairie on lighter soils. | In flower and fruit, 22 Apr 1998. | Carr 17451 (MIM). |
| Poaceae | <i>Dichantherium oligosanthes</i> (Schult.) Gould var. <i>scribnerianum</i> (Nash) Gould | Scribner panicgrass | N | GP | Occasional in openings in shrubland on shell ridge along Intracoastal Waterway. | | Carr 17473 (MIM). |
| Poaceae | <i>Dichantherium sphaerocarpon</i> (Ell.) Gould [<i>Panicum sphaerocarpon</i> Ell.] | Roundseed panicgrass | N | GP | Occasional in upland grasslands | In flower and fruit, 23 Apr 1998. | Bruce s.n. (MIM); Carr 17495 (MIM). |
| Poaceae | <i>Dichanthium annulatum</i> (Forssk.) Stapf | Kleberg bluestem | E | GP | Rare in moist pastures. | In flower and fruit, 9 Nov 2000. | Carr 17183 (MIM) |
| Poaceae | <i>Dichanthium aristatum</i> (Poir.) C. E. Hubb. | Angleton bluestem | E | GP | Local on embankment of main road at crossing of Mad Island Slough; locally common at several locations, mostly roadsides ditches. | | Carr 19330 (MIM); Carr 24139. |
| Poaceae | <i>Digitaria cognata</i> (Schult.) Pilger [<i>Leptoloma cognatum</i> (Schult.) Chase] | Fall witchgrass | N | GP | Frequent in salty prairie along Mad Island Lake just W of preserve HQ. | In flower, 14 Nov 1998. | Carr 17909 (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|---------|--|---|---------|------|--|--|--|
| Poaceae | <i>Distichlis spicata</i> (L.) Greene var. <i>spicata</i> | Saltgrass | N | GP | Common in salt marshes and flats along shorelines. | . | Bruce s.n. (MIM). |
| Poaceae | <i>Echinochloa crusgalli</i> (L.) Beauv. | Barnyardgrass | E | GA | Locally common in constructed wetlands; occasional in drainage ditches. | In fruit, 4 Nov 2005. | Carr & Harrell 24254 (TEX-LL.) |
| Poaceae | <i>Elymus canadensis</i> L. | Canada wildrye | N | GP | Locally common at edge of woodland on back side of shell ridge along Intracoastal Waterway. | In flower, 20 Apr 2004. | |
| Poaceae | <i>Elymus virginicus</i> L. | Virginia wildrye | N | GP | Locally abundant in shade of taller portions of shrubland/woodland on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998. | |
| Poaceae | <i>Eragrostis curtipedicellata</i> Buckl. | Gummy lovegrass | N | GP | Occasional in grasslands on transitional sites and in openings in shrubland on shell ridge. | In flower, 8 Nov 2000, 6-7 Oct 2005. | Carr & Dumesnil 19312 (MIM); Carr 24155. |
| Poaceae | <i>Eragrostis intermedia</i> A. S. Hitchc. | Plains lovegrass | N | GP | Occasional in dry sandy soil along margin of shrubland on shell ridge along Intracoastal Waterway. | In flower, 8 Jul 1997. | |
| Poaceae | <i>Eragrostis lugens</i> Nees | Mourning lovegrass | N | GP | Apparently rare in upland grasslands. | In flower and fruit, 8 Nov 2000. | Carr & Dumesnil 19319 (MIM). |
| Poaceae | <i>Eragrostis secundiflora</i> Presl. subsp. <i>oxylepis</i> (Torr.) S. D. Koch | [<i>Eragrostis oxylepis</i> (Torr.) Torr.] Red lovegrass | N | GP | Locally common on pimple mounds and other sandy sites | In flower and fruit, 8 Nov 2000, 3-4 Nov 2005. | Bruce s.n. (MIM), Carr & Dumesnil 19322 (MIM). |
| Poaceae | <i>Eragrostis spectabilis</i> (Pursh) Steud. | Purple lovegrass | N | GP | Rare in upland grasslands. | In flower and fruit, 8 Nov 2000, 5 Nov 2005. | Bruce s.n. (MIM); Carr & Dumesnil 19326 (MIM); Carr & Harrell 24261. |
| Poaceae | <i>Hordeum pusillum</i> Nutt. | Little barley | N | GA | Frequent in grasslands on lighter soils. | In flower, 23 Apr 1998. | Bruce s.n. (MIM). |
| Poaceae | <i>Leersia hexandra</i> Sw. | Clubhead cutgrass | N | GP | Noticed only along margin of Pintail Pond. | In flower, 1 Nov 2010. | Carr 29214 (TEX). |
| Poaceae | <i>Leersia monandra</i> Sw. | Bunch cutgrass | N | GP | Local in shade of hackberry-bumelia woodland at SW end of shell ridge along Intracoastal Waterway. | In flower, 12 Nov 1998, 7 Oct 2005. | Carr 17903 (MIM). |
| Poaceae | <i>Leptochloa dubia</i> (H.B.K.) Nees | Green sprangletop | N. | GP. | Absent from much of preserve but common on shell ridge along Intracoastal Waterway. | In flower, 6-7 Oct 2005. | Carr 24141 (TEX) |
| Poaceae | <i>Leptochloa nealleyi</i> Vasey | Nealley sprangletop | N | GA | | | Bruce s.n. (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|---------|---|-------------------------------|---------|------|--|------------------------------------|---|
| Poaceae | <i>Leptochloa uninervia</i> (Presl) A. S. Hitch & Chase | Mexican sprangletop | N | GP | Occasional in freshwater wetlands. | In flower, 19 Aug 1998. | Bruce s.n. (MIM), Carr 17724 (MIM), Carr 19334 (MIM). |
| Poaceae | <i>Limnodea arkansana</i> (Nutt.) L. H. Dewey | Ozarkgrass | N | GA | Common in grasslands on drier sites, particularly on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998. | Bruce s.n. (MIM), Carr 17457 (MIM). |
| Poaceae | <i>Lolium multiflorum</i> Lam. [<i>Lolium perenne</i> L.] | English rye | E | GP | | | Bruce s.n. (MIM). |
| Poaceae | <i>Monanthochloe littoralis</i> Engelm. | Shoregrass | N | GP | Abundant on saline mudflats. | . | Bruce s.n. (MIM). |
| Poaceae | <i>Muhlenbergia capillaris</i> (Lam.) Trin. | Hairy-awn muhly | N | GP | Rare but conspicuous in gulf cordgrass grasslands. | In flower, 6 Nov 1997, 7 Oct 2005. | Carr 17176. |
| Poaceae | <i>Nassella leucotricha</i> (Trin. & Rupr.) R. Pohl [<i>Stipa leucotricha</i> Trin. & Rupr.] | Texas wintergrass, speargrass | N | GP | Common in upland grasslands | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Poaceae | <i>Oplismenus hirtellus</i> (L.) Beauv. ssp. <i>setarius</i> (Lam.) Mez ex Ekman | Basketgrass | E | GP | Local in shade of hackberry-bumelia woodland at SW end of shell ridge along Intracoastal Waterway. | In flower, 12 Nov 1998. | Carr 17904 (MIM). |
| Poaceae | <i>Panicum capillare</i> L. | Common witchgrass | N | GA | Rare in upland grasslands. | | Bruce s.n. (MIM). |
| Poaceae | <i>Panicum dichotomiflorum</i> Michx. | Spreading witchgrass | N | GA | Locally common with <i>Eleocharis quadrangulata</i> along margin of WRP pond. | In late fruit, 4 Nov 2005. | Carr & Harrell 24246. |
| Poaceae | <i>Panicum hians</i> Ell. | Gaping panicgrass | N | GP | Occasional in drainage ditches and wet spots in upland grasslands. | In flower, 22 Apr 1998. | Carr 17498 (MIM). |
| Poaceae | <i>Panicum obtusum</i> Kunth in H.B.K. | Vine-mesquite | N | GP | Rare in recently burned gulf cordgrass grassland. | In flower, 31 Oct 1997. | Carr 17165. |
| Poaceae | <i>Panicum rigidulum</i> Nees | Redtop panicgrass | N | GP | | | Bruce s.n. (MIM). |
| Poaceae | <i>Paspalum dissectum</i> (L.) L | Mudbank paspalum | N | GP | Rare (?) in wetter parts of salty prairie near windmill north of preserve HQ. | In flower, 14 Nov 1998. | Anonymous s.n., 14 Nov 1998 (MIM). |
| Poaceae | <i>Paspalum distichum</i> L. | Knotgrass | N | GP | Abundant in large freshwater wetland on heavy loamy soils in Shell Lake. | In flower, 8 Jul 1997. | Carr 16742 (MIM). |
| Poaceae | <i>Paspalum langei</i> (Fourn.) Nash | Rustyseed paspalum | N | GP | Rare in shade along margin of shrubland/woodland on shell ridge along Intracoastal Waterway. | In flower, 31 Oct 1997. | Carr 17161. |
| Poaceae | <i>Paspalum lividum</i> Trin. | Longtom | E | GP | Locally abundant in freshwater wetlands. | In fruit, 9 Nov 2000. | Bruce s.n. (MIM); Carr 19335 (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|---------|--|--|---------|------|---|-------------------------|-------------------------------------|
| Poaceae | <i>Paspalum monostachyum</i> Vasey | Gulf dune paspalum | N | GP | . | | Bruce s.n. (MIM). |
| Poaceae | <i>Paspalum plicatulum</i> Michx. | Brownseed paspalum | N | GP | Common in grasslands throughout. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Poaceae | <i>Paspalum pubiflorum</i> Rupr. ex Fourn. var. <i>pubiflorum</i> | Hairyseed paspalum | N | GP | | | Bruce s.n. (MIM). |
| Poaceae | <i>Paspalum urvillei</i> Steud. | Vaseygrass | E | GP | | | Bruce s.n. (MIM). |
| Poaceae | <i>Paspalum vaginatum</i> Sw. | Seashore paspalum | N | GP | | | Bruce s.n. (MIM). |
| Poaceae | <i>Phalaris angustata</i> Nees ex Trin. | Timothy canarygrass | N | GA | Frequent in upland prairies. | In flower, 22 Apr 1998. | Bruce s.n. (MIM), Carr 17425 (MIM). |
| Poaceae | <i>Phalaris caroliniana</i> Walt. | Carolina canarygrass | N | GA | Common in grasslands throughout. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Poaceae | <i>Phragmites australis</i> (Cav.) Trin. ex Steud. [<i>Phragmites communis</i> Trin.] | Common reed | N | GP | Efforts are underway to eradicate colony in part of Shell Lake. | | Bruce s.n. (MIM). |
| Poaceae | <i>Poa annua</i> L. | Annual bluegrass | E | GA | Occasional in lawns around HQ. | | |
| Poaceae | <i>Polypogon monspeliensis</i> (L.) Desf. | Rabbit-foot grass | E | GA | Common in ditches and along margins of freshwater wetlands. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Poaceae | <i>Schizachyrium scoparium</i> (Michx.) Nash [According to Bruce (1994), represented by var. <i>divergens</i> (Hack.) Gould] | Little bluestem | N | GP | Frequent to abundant in ungrazed upland prairies. | | Bruce s.n. (MIM). |
| Poaceae | <i>Setaria parviflora</i> (Poir.) Kerguelen | [<i>Setaria geniculata</i> (Lam.) Beauv.] Knotstem bristlegrass | N | GP | Occasional in upland sites throughout. | | Bruce s.n. (MIM). |
| Poaceae | <i>Sorghastrum nutans</i> (L.) Nash | Indiangrass | N | GP | Rare in little bluestem-brownseed paspalum grasslands. | In flower, 6 Nov 1997. | Carr 17182. |
| Poaceae | <i>Sorghum halepense</i> (L.) Pers. | Johnsongrass | E | GP | Occasional on road shoulders and in ditches. | In flower, 7 Oct 2005. | Bruce s.n. (MIM). |
| Poaceae | <i>Spartina alterniflora</i> Loisel var. <i>glabra</i> (Bigel.) Fern. | Smooth cordgrass | N | GP | Forming large colonies in shallow water in Mad Island Lake and along edge of Intracoastal Waterway. | In fruit, 9 Nov 2000. | Bruce s.n. (MIM). |
| Poaceae | <i>Spartina patens</i> (Ait.) Muhl. | Marsh-hay cordgrass | N | GP | Locally common in a few brackish marshes. | | Bruce s.n. (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|----------------|---|--------------------------|---------|------|---|---|--|
| Poaceae | <i>Spartina spartinae</i> (Trin.) Merr. ex A. S. Hitch. | Gulf cordgrass | N | GP | Common throughout except in driest sites. | | Bruce s.n. (MIM). |
| Poaceae | <i>Sphenopholis obtusata</i> (Michx.) Scribn. var. <i>obtusata</i> | Prairie wedgescale | N | GP | Rare in upland prairies. | | Bruce s.n. (MIM), Carr 17450 (MIM). |
| Poaceae | <i>Sporobolus indicus</i> (L.) R. Br. | Smutgrass | E | GP | Common in upland grasslands, apparently heavily utilized by cattle. | In fruit, 7-9 Nov 2000. | Bruce s.n. (MIM). |
| Poaceae | <i>Sporobolus pyramidatus</i> (Lam.) A. S. Hitchc. | Whorled dropseed | N | GP | Frequent in roadbeds and dry disturbed sites. | In flower and fruit, 31 Oct 1997, 7 Nov 1997. | Carr 17171. |
| Poaceae | <i>Trachypogon secundus</i> (Presl) Scribn. | Crinkleawn | N | GP | Rare in upland grassland on W side of main road across from house on inholding. | In fruit, 4 Nov 2005. | Carr & Harrell 24259. |
| Poaceae | <i>Tridens strictus</i> (Nutt.) Nash | Longspike tridens | N | GP | Occasional in upland grasslands. | In flower, 7-9 Nov 2000. | Bruce s.n. (MIM). |
| Poaceae | <i>Trisetum interruptum</i> Buckl. | Prairie trisetum | N | GA | Rare (?) in recently burned upland prairies. | In flower, 22 Apr 1998. | Carr 17426-B (MIM). |
| Poaceae | <i>Vulpia</i> sp. (<i>Vulpia octoflora</i> (Walt.) Rydb.?) | Sixweeksgrass | N | GA | Occasional in recently-burned prairies on lighter soils. | In fruit, 22 Apr 1998. | Carr 17426-A (MIM). |
| Polygalaceae | <i>Polygala alba</i> Nutt. | White milkwort | N | FP | Rare in upland grasslands. | In flower, 7 Nov 2000. | Carr & Dumesnil 19309. |
| Polygalaceae | <i>Polygala incarnata</i> L. | Pink milkwort | N | FA | Rare in upland prairie on lighter soils. | In flower, 23 Apr 1998. | Bruce s.n. (MIM), Carr 17493 (MIM). |
| Polygalaceae | <i>Polygala verticillata</i> L. | Whorled milkwort | N | FA | Rare in upland prairie on lighter soils. | In flower, 23 Apr 1998. | Carr 17494 (MIM). |
| Polygonaceae | <i>Persicaria densiflora</i> (Meisn.) Moldenke [<i>Polygonum densiflorum</i> Meisn.] | Stout smartweed | N | FP | Occasional in ditches and along margins of freshwater wetlands | | Bruce s.n. (MIM). |
| Polygonaceae | <i>Persicaria hydropiperoides</i> (Michx.) Small [<i>Polygonum hydropiperoides</i> Michx.] | Swamp smartweed | N | FP | Occasional in ditches and along margins of freshwater wetlands. | | Bruce s.n. (MIM), originally determined as other <i>Polygonum</i> spp. |
| Polygonaceae | <i>Rumex chrysocarpus</i> Moris. | Dock, amnastla | N | FP | Occasional along margins of freshwater and brackish wetlands. | In flower and fruit, 22 Apr 1998. | Carr 17444 (MIM), Carr 17470 (MIM). |
| Pontederiaceae | <i>Heteranthera dubia</i> (Jacq.) MacM. | Water-stargrass | N | FQ | Common in Mad Island Slough at main road. | In flower, 8 Jul 1997, 20 Aug 1998, 1 Sep 2000, 3-4 Nov 2005. | Carr 19146 (MIM); Carr & Harrell 24249. |
| Pontederiaceae | <i>Heteranthera limosa</i> (Sw.) Willd. | Mud babies, mud plantain | N | FA | Local on mudflat in WRP pond. | In flower, 4 Nov 2005. | Carr & Harrell 24242. |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|------------------|---|---|---------|------|--|---|---|
| Portulacaceae | <i>Portulaca oleracea</i> L. | Common purslane | E | FA | Occasional in shell roadbases. | In flower, 7 Oct 1997, 7 Oct 2005. | Bruce s.n. (MIM); Carr 24159. |
| Portulacaceae | <i>Portulaca pilosa</i> L. [<i>Portulaca mundula</i> I. M. Johnston] | Chisme | N | FA | Occasional in cultivated fields, bare spots in salty prairies, and in shell roadbeds. | In fruit, 1 Sep 2000; in flower, 7 Oct 2005. | Bruce s.n. (MIM); Carr 24144. |
| Portulacaceae | <i>Talinum paniculatum</i> (Jacq.) Gaertn. | Rama del sapo, paniced flameflower | N | FP | Rare in shade along margin of shrubland/woodland on shell ridge along Intracoastal Waterway. | In flower, 31 Oct 1997 | Carr 17159. |
| Portulacaceae | <i>Talinum parviflorum</i> Nutt. | Dwarf flameflower | N | FP | Apparently rare, local in strip of well drained nonsaline (or slightly saline) sand along W side of N arm of Mad Island Lake ca. 500-1000 ft. N of HQ. | In flower, 31 Aug 2000. | |
| Potamogetonaceae | <i>Potamogeton nodosus</i> Poir. | Longleaf pondweed | N | FQ | Locally common in SW corner of WRP pond. | Vegetative, 4 Nov 2005. | |
| Potamogetonaceae | <i>Potamogeton pectinatus</i> L. | Sago pondweed | N | FQ | Common in WRP pond; presumably also in Mad Island Lake (wrack detected at boat dock). | In flower, 20 Apr 2004; in fruit, 4 Nov 2005. | Carr 17726 (MIM); Carr, Laing & Crawford 23032 (MIM); Carr & Harrell 24245 (MIM). |
| Primulaceae | <i>Anagalis minimus</i> (L.) Krause [<i>Centunculus minimus</i> L.] | Chaffweed | E | FA | Common but inconspicuous in wet spots in upland prairies. | In fruit, 22 Apr 1998. | Carr 17438 (MIM); Carr 28781. |
| Primulaceae | <i>Anagallis arvensis</i> L. | Scarlet pimpernel | E | FA | Frequent in disturbed sites and recently-burned moist prairies. | In flower and fruit, 22 Apr 1998. | Bruce s.n. (MIM). |
| Primulaceae | <i>Samolus ebracteatus</i> Kunth | Seabeach pimpernel, coast brookweed | N | FP | | | Bruce s.n. (MIM). |
| Primulaceae | <i>Samolus valerandi</i> L. ssp. <i>parviflorus</i> (Raf.) Hultén [<i>S. parviflorus</i> Raf.] | Thinleaf brookweed, smallflower brookweed | N | FA | Occasional along margin of Mad Island Slough near main road. | In flower, 22 Apr 1998. | Carr 17479 (MIM). |
| Ranunculaceae | <i>Delphinium carolinianum</i> Walt. subsp. <i>vimineum</i> (D. Don) M. Warnock | Larkspur | N | FP | Rare in upland prairies. | In flower, 23 Apr 1998. | Bruce s.n. (MIM). |
| Ranunculaceae | <i>Ranunculus pusillus</i> Poir. | Small buttercup | N | FA | Occasional in wet spots in upland prairies. | In fruit, 22 Apr 1998. | Carr 17430. |
| Ranunculaceae | <i>Ranunculus sceleratus</i> L. | Blister buttercup | E | FA | Rare in moist clay in depression along back side of shell ridge along Intracoastal Waterway; also in WRP pond. | In flower and fruit, 7 Mar 2000; in fruit, 20 Apr 2004. | Carr 18675 (MIM). |
| Ranunculaceae | <i>Ranunculus</i> sp. (<i>R. hispidus</i> Michx. var. <i>nitidus</i> (Chapm.) T. Duncan?) | Buttercup | N | FP | | | Bruce s.n. (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|-------------|---|-------------------------------|---------|------|---|---|---|
| Rhamnaceae | <i>Colubrina texensis</i> (T. & G.) Gray | Texas colubrina, hog plum | N | S | Common in shrubland on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Rhamnaceae | <i>Condalia hookeri</i> M. C. Johnston | Brasil | N | S | Occasional in shrubland on shell ridge along Intracoastal Waterway. | Vegetative, 8 Jul 1997 | Carr 17471 (MIM). |
| Rosaceae | <i>Rubus riograndis</i> Bailey [<i>Rubus trivialis</i> Michx. var. <i>duplaris</i> Shinners] | Southern dewberry | N | S | Frequent on shell ridge along Intracoastal Waterway; occasional in upland prairies. | In fruit, 22 Apr 1998. | Bruce s.n. (MIM). |
| Rubiaceae | <i>Diodia teres</i> Walt. | Poor Joe | N | FA | Rare in sandier parts of recently-burned little bluestem-brownseed paspalum grassland. | In fruit, 6 Nov 1997. | Bruce s.n. (MIM). |
| Rubiaceae | <i>Diodia virginiana</i> L. var. <i>virginiana</i> | Virginia buttonweed | N | FP | Occasional in wet soils along banks of Mad Island Slough. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Rubiaceae | <i>Galium aparine</i> L. | Clingon bedstraw | N | FA | Rare(?) in soapberry woodland on shell ridge along Intracoastal Waterway. | In fruit, 22 Apr 1998. | Carr 17469 (MIM). |
| Rubiaceae | <i>Galium tinctorium</i> L. | Dye bedstraw | N | FA | Rare in wet spots in upland prairies and along margins of freshwater wetlands. | In fruit, 22 Apr 1998. | Carr 17435 (MIM) [Identification uncertain; possibly <i>Galium obtusum</i> Bigel.] |
| Rubiaceae | <i>Hedyotis nigricans</i> (Lam.) Fosb. var. <i>nigricans</i> [<i>Houstonia nigricans</i> (Lam.) Fern.] | Prairie bluets | N | FP | Frequent in openings on shell ridge along Intracoastal Waterway. | . | |
| Rutaceae | <i>Amyris texana</i> (Buckl.) P. Wils. | Chapotillo | N | S | Frequent in shrubland on shell ridge along Intracoastal Waterway. | Vegetative, 22 Apr 1998; in flower and early fruit, 7 Oct 2005. | Bruce s.n. (MIM); Carr 16737; Carr 24148. |
| Rutaceae | <i>Zanthoxylum clava-herculis</i> L. | Toothache tree, tickle-tongue | N | T | Rare, a few trees in scattered locations; fairly frequent in 2000 on levees along Mad Island Slough near entrance road. | In fruit, 7 Oct 2005. | |
| Rutaceae | <i>Zanthoxylum fagara</i> (L.) Sarg. | Colima, lime prickly-ash | N | S | Frequent to common in shrubland on shell ridge along Intracoastal Waterway and in shrub mottes on other elevated sites. | Vegetative, 22 Apr 1998. | Bruce s.n. (MIM). |
| Salicaceae | <i>Salix nigra</i> Marsh. | Black willow | N | T | Occasional along Mad Island Slough and at a few stock tanks. | | |
| Sapindaceae | <i>Sapindus saponaria</i> L. var. <i>drummondii</i> (Hook. & Arn.) L. Benson | Western soapberry | N | T | Absent from much of the preserve but locally frequent in woodland on shell ridge along Intracoastal Waterway. | In bud, 22 Apr 1998. | Bruce s.n. (MIM), originally determined <i>Carya aquatica</i> . |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|------------------|---|---|---------|------|---|--------------------------------------|--|
| Sapotaceae | <i>Sideroxylon lanuginosum</i> Michx. [<i>Bumelia lanuginosa</i> (Michx.) Pers.] | Gum bumelia, coma | N | T | Frequent in woodland on shell ridge along Intracoastal Waterway, the dominant tree in some areas. | | Bruce s.n. (MIM); Carr 24149 |
| Saxifragaceae | <i>Lepuropetalon spathulatum</i> Ell. | Petiteplant | N | FA | Noticed in one recently-burned upland pasture on somewhat sandy clay. | In flower and fruit, 10 Apr 2010. | Carr 28783. |
| Scrophulariaceae | <i>Agalinis heterophylla</i> (Nutt.) Small ex Britt. & A. Br. | Prairie agalinis | N | FA | Occasional in ditches and in gulf cordgrass grasslands. | In flower, 6 Nov 1997, 6-7 Oct 2005. | Carr 17177. |
| Scrophulariaceae | <i>Agalinis maritima</i> (Raf.) Raf. var. <i>grandiflora</i> (Benth.) Shinnars | Seaside gerardia | N | FA | | | Bruce s.n. (MIM). |
| Scrophulariaceae | <i>Agalinis pulchella</i> Penn. | Showy gerardia | N | FA | | | Bruce s.n. (MIM) [needs confirmation]. |
| Scrophulariaceae | <i>Agalinis strictifolia</i> (Benth.) Penn. | South Texas agalinis | N | FA | This seems to be the common agalinis on the shell ridge along the Intracoastal Waterway and in transitional grasslands. | In flower, 6 Nov 1997, 6-7 Oct 2005. | Carr 17178; Carr 17169. |
| Scrophulariaceae | <i>Bacopa monnieri</i> (L.) Wettst. | Coastal water-hyssop | N | FP | Occasional in freshwater wetlands. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Scrophulariaceae | <i>Linaria canadensis</i> (L.) Dum. | Canada toadflax | N | FA | Rare in recently-burned upland prairie on lighter soils. | In fruit, 23 Apr 1998. | Carr 17492 (MIM). |
| Scrophulariaceae | <i>Maurandya antirrhiniflora</i> Willd. | Snapdragonvine | N | FPV | Occasional along margin of woodland on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998, 7 Oct 2005. | Bruce s.n. (MIM). |
| Scrophulariaceae | <i>Mecardonia procumbens</i> (P. Miller) Small [<i>Mecardonia vandellioides</i> (Kunth in H.B.K.) Penn.] | Prostrate mecardonia, yellow mecardonia | NP | P | Occasional in heavily grazed pastures. | In flower, 6-7 Oct 2005. | Carr 17453 (MIM). |
| Scrophulariaceae | <i>Veronica peregrina</i> L. | Wandering veronica | N | FA | Rare in moist clay in depression on back side of shell ridge along Intracoastal Waterway. | In flower and fruit, 7 Mar 2000. | Carr 18674 (MIM). |
| Smilacaceae | <i>Smilax bona-nox</i> L. | Greenbriar | N | WV | Occasional in shrubland on shell ridge along Intracoastal Waterway. | Vegetative, 22 Apr 1998, 7 Oct 2005. | Bruce s.n. (MIM). |
| Solanaceae | <i>Bouchetia erecta</i> DC. | Erect bouchetia | N | FP | Rare in dry transitional prairies on tight soils. | In flower, 3 Nov 2005. | Carr & Laing 24240. |
| Solanaceae | <i>Lycium carolinianum</i> Walt. var. <i>quadrifidum</i> (Dun.) C. L. Hitchc. | Carolina wolfberry | N | S | Frequent along shoreline. | In flower, 6-7 Oct 2005. | Bruce s.n. (MIM). |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|----------------|---|---|---------|------|--|---------------------------------------|-------------------|
| Solanaceae | <i>Physalis</i> sp. | Ground-cherry | N | FA | Occasional in grasslands on drier sites. | In flower, 21 Apr 1997. | |
| Solanaceae | <i>Physalis</i> sp. | Ground-cherry | N | FA | Occasional in grasslands on wetter sites. | In flower, 18 Jul 2005. | Carr 24054. |
| Solanaceae | <i>Solanum elaeagnifolium</i> Cav. | Silverleaf nightshade | N | FP | Occasional in disturbed areas and upland prairies. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Solanaceae | <i>Solanum ptycanthum</i> Dun. ex DC. [<i>Solanum americanum</i> of auth., not Mill.] | American nightshade | N | FA | Occasional in shrubland on shell ridge along Intracoastal Waterway. | In flower, 22 Apr 1998. | Bruce s.n. (MIM). |
| Solanaceae | <i>Solanum triquetrum</i> Cav. | Texas nightshade | N | S | Occasional in shrubland on shell ridge along Intracoastal Waterway. | In flower, 31 Oct 1997, 13 Nov 1998. | Carr 17902 (MIM). |
| Sphenocleaceae | <i>Sphenoclea zeylanica</i> Gaertn. | Chickenspike | E | FA | Rare on preserve, noted only in marsh-like vegetation in channel of West Branch of Mad Island Slough just upstream from (W of) culvert on entrance road. | In fruit, 7 Oct 2005. | Carr 24135. |
| Sterculiaceae | <i>Melochia pyramidata</i> L. | Broomwood, anglepod melochia | N | FP | Occasional in roadbed on shell ridge along Intracoastal Waterway; rare in upland grasslands. | In flower, 20 Apr 2004, 6-7 Oct 2005. | Bruce s.n. (MIM). |
| Tamaricaceae | <i>Tamarix gallica</i> L. | French salt-cedar, tamarisk, rompevientos | E | S | Rare in scattered locations; eradication efforts ongoing. | | Bruce s.n. (MIM). |
| Typhaceae | <i>Typha angustifolia</i> L. | Narrowleaf cat-tail | N | FP | Occasional to locally abundant in freshwater wetlands; eradication efforts underway. | | Bruce s.n. (MIM). |
| Ulmaceae | <i>Celtis laevigata</i> Willd. | Sugar hackberry | N | T | Occasional in shrubland on shell ridge along Intracoastal Waterway. | . | Bruce s.n. (MIM). |
| Ulmaceae | <i>Celtis pallida</i> Torr. | Granjeno, spiny hackberry | N | T | Occasional in shrubland on shell ridge along Intracoastal Waterway. | . | Bruce s.n. (MIM). |
| Ulmaceae | <i>Celtis reticulata</i> Torr. | Netleaf hackberry | N | T | Occasional in woodland / shrubland on shell ridge along Intracoastal Waterway. | In flower, 8 Jul 1997. | |
| Urticaceae | <i>Parietaria pennsylvanica</i> Muhl. ex Willd. [<i>Parietaria obtusa</i> Rydb. ex. Small] | Cucumberweed, pellitory | N | FA | Locally frequent in shade of woodland on shell ridge along Intracoastal Waterway. | In flower and fruit, 22 Apr 1998. | Carr 17468 (MIM). |
| Urticaceae | <i>Urtica chamaedryoides</i> Pursh | Stinging nettle | N | FA | Locally frequent in shade of woodland on shell ridge along Intracoastal Waterway. | In flower and fruit, 22 Apr 1998. | Carr 17467 (MIM). |
| Valerianaceae | <i>Valerianella radiata</i> (L.) Dufr. | Common cornsalad | N | FA | Rare in openings on shell ridge along Intracoastal Waterway. | In flower, 7 Mar 2000. | |

| Family | Scientific Name | Common Name | Native? | Form | Habitat | Phenology | Voucher(s) |
|----------------|---|------------------------|---------|------|--|--|--|
| Verbenaceae | <i>Phyla nodiflora</i> (L.) Greene [<i>Phyla incisa</i> Small] | Fogfruit | N | FP | Occasional throughout. | . | Bruce s.n. (MIM). |
| Verbenaceae | <i>Verbena bonariensis</i> L. | South American vervain | E | FP | | | Bruce s.n. (MIM) [needs verification]. |
| Verbenaceae | <i>Verbena brasiliensis</i> Vell. | Brazilian vervain | E | FP | Occasional in moist soils along sloughs and drainage ditch, less common in upland pastures. | In flower, 6-7 Oct 2005. | Bruce s.n. (MIM). |
| Verbenaceae | <i>Verbena halei</i> Small [<i>Verbena officinale</i> L. subsp. <i>halei</i> (Small) Barber] | Texas vervain | N | FP | Occasional in upland sites throughout. | In flower, 22 Apr 1998, 6-7 Oct 2005. | Bruce s.n. (MIM). |
| Verbenaceae | <i>Verbena xutha</i> Lehm. | Gulf vervain | N | FP | Common in clay pastures after burns and hurricane. | In flower, 10 Apr 2010. | |
| Vitaceae | <i>Ampelopsis arborea</i> (L.) Koehne | Peppervine | N | WV | Frequent in shrubland on shell ridge along Intracoastal Waterway. | In fruit, 7 Oct 2005. | Bruce s.n. (MIM). |
| Vitaceae | <i>Cissus incisa</i> (T. & G.) Des Moulins | Ivy treebine | N | FPV | Occasional in shrubland on shell ridge along Intracoastal Waterway. | Vegetative, 7 Oct 2005. | Bruce s.n. (MIM). |
| Vitaceae | <i>Vitis mustangensis</i> Buckl. | Mustang grape | N | WV | Frequent in shrubland on shell ridge along Intracoastal Waterway. | Vegetative, 7 Oct 2005. | Bruce s.n. (MIM). |
| Zygophyllaceae | <i>Kallstroemia parviflora</i> Nort. | Warty caltrop | N | FA | Absent from much of preserve but common on shell roads on shell ridge along Intracoastal Waterway. | In flower and early fruit, 6-7 Oct 2005. | Carr 24143. |

Selected References

- Ajilvsgi, G. 1979. Wild flowers of the Big Thicket, east Texas, and western Louisiana. Texas A & M University Press, College Station. 360 pp.
- Bruce, K. 1994. Plant species list for Mad Island Marsh Preserve, The Nature Conservancy of Texas. Unpublished ms., 7 pp.
- Correll, D. S. and M. C. Johnston. 1970. Manual of the vascular plants of Texas. Texas Research Foundation, Renner. 1881 pp.
- Gould, F. W. 1975. The grasses of Texas. Texas A & M University Press, College Station. 653 pp.
- Gould, F. W. and T. W. Box. 1965. Grasses of the Texas Coastal Bend. Texas A & M University Press, College Station. 186 pp.
- Hatch, S. L., K. N. Gandhi, and L. E. Brown. 1990. Checklist of the vascular plants of Texas. Texas Agricultural Experiment Station, Texas A & M University, College Station. 158 pp.
- Hatch, S. L., J. L. Schuster and D. L. Drawe. 1999. Grasses of the Texas Gulf prairies and marshes. Texas A & M University Press, College Station. 355 pp.
- Holmes, W. C. and C. J. Wells. 1980. The distribution of *Habranthus tubispathus* (L'Her.) Traub in South America and North America-- Texas and Louisiana. Sida 8(4): 328-333.
- Johnston, M. C. 1990. The vascular plants of Texas: a list, updating the manual of the vascular plants of Texas. 2nd edition. Privately published, Austin. 107 pp.
- Jones, F. B. 1982. Flora of the Texas Coastal Bend. Third edition. Welder Wildlife Foundation, Sinton. 266 pp.
- Jones, S. D., J. K. Wipff and P. M. Montgomery. 1997. Vascular plants of Texas: a comprehensive checklist including synonymy, bibliography, and index. University of Texas Press, Austin. 404 pp.
- Lehmann, R. L., R. O'Brien, and T. White. 2005. Plants of the Texas Coastal Bend. Texas A & M University Press. 352 pp. + CD.
- Nixon, E. S. and B. L. Cunningham. 1985. Trees, shrubs, and woody vines of east Texas. Bruce Lyndon Cunningham Productions, Nacogdoches. 240 pp.
- Tveten, J. L. and G. A. Tveten. 1993. Wildflowers of Houston. Rice University Press, Houston. 309 pp.
- Vines, R. A. 1977. Trees of East Texas. University of Texas Press, Austin. 538 pp.