

# **Appendix 5-12: STA Plant Taxa**

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**Table 1.** Plant taxa identified in the Everglades Agricultural Area Stormwater Treatment Areas.

| Order                     | Family           | Species                         | Common Name            | STA-1E | STA-1W | STA-2 | STA-3/4 | STA-5 | STA-6 | Status |
|---------------------------|------------------|---------------------------------|------------------------|--------|--------|-------|---------|-------|-------|--------|
| <b>Macro-algae</b>        |                  |                                 |                        |        |        |       |         |       |       |        |
| Charales                  | Characeae        | <i>Chara</i> sp.                | muskgrass              | X      | X      | X     | X       | X     | X     | obl    |
|                           |                  | <i>Nitella tenuissima</i>       | stonewort              |        |        |       | X       |       |       | obl    |
| <b>Ferns &amp; allies</b> |                  |                                 |                        |        |        |       |         |       |       |        |
| Equisetales               | Equisetaceae     | <i>Equisetum</i> sp.            | horsetail              |        | X      |       |         | X     |       | facw   |
| Hydropteridales           | Azollaceae       | <i>Azolla caroliniana</i>       | Carolina mosquitofern  | X      | X      | X     | X       | X     |       | obl    |
|                           | Salviniaceae     | <i>Salvinia minima</i> *        | water spangles         |        | X      | X     | X       | X     | X     | obl    |
| Polypodiales              | Dryopteridaceae  | <i>Nephrolepis cordifolia</i> * | tuberous sword fern    |        |        | X     |         |       |       | fac    |
|                           | Osmundaceae      | <i>Osmunda regalis</i>          | royal fern             |        | X      |       |         |       |       | obl    |
|                           | Pteridaceae      | <i>Acrostichum danaeifolium</i> | giant leather fern     |        | X      | X     |         |       |       | obl    |
|                           |                  | <i>Pteris tripartita</i> *      | giant brake            |        | X      |       |         |       |       | facw   |
|                           | Thelypteridaceae | <i>Thelypteris dentata</i> *    | downy maiden fern      |        | X      |       |         |       |       | facw   |
| <b>Monocots</b>           |                  |                                 |                        |        |        |       |         |       |       |        |
| Alismatales               | Alismataceae     | <i>Sagittaria kurziana</i>      | strap-leaf sagittaria  |        | X      |       | X       |       |       | obl    |
|                           |                  | <i>Sagittaria lancifolia</i>    | bulltongue arrowhead   | X      | X      | X     | X       | X     | X     | obl    |
|                           |                  | <i>Sagittaria latifolia</i>     | broadleaf arrowhead    |        | X      | X     |         |       | X     | obl    |
| Arales                    | Araceae          | <i>Colocasia esculenta</i> *    | wild taro              |        | X      |       |         |       |       | obl    |
|                           |                  | <i>Peltandra virginica</i>      | green arrow arum       |        |        |       |         | X     |       | obl    |
|                           |                  | <i>Pistia stratiotes</i>        | water lettuce          | X      | X      | X     | X       | X     |       | obl    |
|                           | Lemnaceae        | <i>Lemna minor</i>              | common duckweed        |        | X      |       |         |       |       | obl    |
|                           |                  | <i>Lemna</i> sp.                | duckweed               | X      | X      | X     | X       | X     | X     | obl    |
|                           |                  | <i>Spirodela polyrhiza</i>      | giant duckweed         |        | X      |       |         | X     |       | obl    |
|                           |                  | <i>Wolffia columbiana</i>       | Columbian watermeal    |        | X      |       |         |       |       | obl    |
|                           |                  | <i>Wolffiella gladiata</i>      | Florida mudmidget      |        | X      |       |         |       | obl   |        |
| Commelinales              | Commelinaceae    | <i>Commelina</i> sp.            | dayflower              | X      | X      |       |         |       | facw  |        |
| Cyperales                 | Cyperaceae       | <i>Cladium jamaicense</i>       | Jamaica swamp sawgrass |        | X      | X     | X       |       | X     | obl    |
|                           |                  | <i>Cyperus esculentus</i> *     | yellow nutgrass        | X      | X      |       |         |       |       | fac    |
|                           |                  | <i>Cyperus haspan</i>           | haspan flatsedge       |        |        |       |         | X     |       | obl    |
|                           |                  | <i>Cyperus odoratus</i>         | fragrant flatsedge     |        | X      |       |         |       |       | facw   |
|                           |                  | <i>Cyperus planifolius</i>      | flatleaf               |        | X      |       |         |       |       | fac    |

**Table 1. Continued.**

| Order           | Family           | Species                               | Common Name           | STA-1E | STA-1W | STA-2 | STA-3/4 | STA-5 | STA-6 | Status |
|-----------------|------------------|---------------------------------------|-----------------------|--------|--------|-------|---------|-------|-------|--------|
| Cyperales       | Cyperaceae       | <i>Cyperus</i> sp.                    | sedge                 |        | X      |       | X       | X     |       | -      |
|                 |                  | <i>Eleocharis interstincta</i>        | knotted spikerush     | X      | X      |       | X       |       | X     | obl    |
|                 |                  | <i>Eleocharis</i> sp.                 | spikerush             |        | X      | X     |         |       |       | obl    |
|                 |                  | <i>Rhynchospora colorata</i>          | starrush whitetop     |        | X      |       |         |       |       | facw   |
|                 |                  | <i>Schoenoplectus californicus</i>    | California bulrush    |        | X      |       |         |       |       | obl    |
|                 |                  | <i>Schoenoplectus</i> sp.             | bulrush               | X      |        |       |         |       |       | obl    |
|                 |                  | <i>Schoenoplectus tabernaemontani</i> | softstemmed bulrush   |        | X      |       |         |       |       | obl    |
|                 | Poaceae          | <i>Andropogon virginicus</i>          | chalky bluestem       |        | X      |       |         |       |       | fac    |
|                 |                  | <i>Echinochloa crusgalli</i> *        | barnyardgrass         |        | X      |       |         |       |       | facw   |
|                 |                  | <i>Eustachys petraea</i>              | pinewoods fingergrass |        | X      |       |         |       |       | fac    |
|                 |                  | <i>Melinis repens</i> *               | rose natalgrass       |        | X      |       |         |       |       | upl    |
|                 |                  | <i>Oryza sativa</i> *                 | rice                  |        | X      |       |         |       |       | obl    |
|                 |                  | <i>Panicum hemitomon</i>              | maidencane            | X      | X      | X     | X       | X     | X     | obl    |
|                 |                  | <i>Panicum repens</i> *               | torpedograss          | X      | X      | X     | X       | X     | X     | facw   |
|                 |                  | <i>Panicum</i> sp.                    | -                     | X      | X      |       | X       | X     |       | -      |
|                 |                  | <i>Paspalidium geminatum</i>          | Egyptian paspalidium  |        |        |       |         |       | X     | obl    |
|                 |                  | <i>Saccharum officinarum</i> *        | sugarcane             |        |        |       | X       |       |       | facu   |
|                 |                  | <i>Setaria magna</i>                  | giant bristlegrass    |        | X      |       |         |       |       | obl    |
|                 |                  | <i>Sorghum</i> sp.*                   | -                     |        | X      |       |         |       |       | -      |
|                 |                  | <i>Urochloa mutica</i> *              | paragrass             |        |        |       |         |       | X     | X      |
| Hydrocharitales | Hydrocharitaceae | <i>Egeria densa</i> *                 | Brazilian waterweed   |        |        |       | X       |       |       | obl    |
|                 |                  | <i>Hydrilla verticillata</i> *        | hydrilla              | X      | X      | X     | X       | X     |       | obl    |
|                 |                  | <i>Limnobium spongia</i>              | frog's-bit            |        | X      |       |         | X     |       | obl    |
|                 |                  | <i>Vallisneria americana</i>          | American eelgrass     |        |        |       | X       |       |       | obl    |
| Liliales        | Pontederiaceae   | <i>Eichhornia crassipes</i> *         | common water hyacinth |        | X      |       |         | X     |       | obl    |
|                 |                  | <i>Pontederia cordata</i>             | pickerelweed          |        | X      | X     | X       | X     | X     | obl    |
| Najadales       | Najadaceae       | <i>Najas guadalupensis</i>            | southern naiad        | X      | X      | X     | X       | X     |       | obl    |
|                 |                  | <i>Najas marina</i>                   | spiny naiad           |        |        |       | X       |       |       | obl    |
|                 | Potamogetonaceae | <i>Potamogeton floridanus</i>         | Florida pondweed      |        |        | X     |         |       |       | obl    |
|                 |                  | <i>Potamogeton</i> sp.                | pondweed              |        | X      | X     | X       | X     |       | obl    |
| Typhales        | Typhaceae        | <i>Typha domingensis</i>              | southern cattail      | X      | X      | X     | X       | X     | X     | obl    |
|                 |                  | <i>Typha latifolia</i>                | broadleaf cattail     |        | X      |       |         |       |       | obl    |

**Table 1.** Continued.

| Order          | Family         | Species                              | Common Name               | STA-1E                     | STA-1W              | STA-2 | STA-3/4 | STA-5 | STA-6 | Status |
|----------------|----------------|--------------------------------------|---------------------------|----------------------------|---------------------|-------|---------|-------|-------|--------|
| Zingiberales   | Marantaceae    | <i>Thalia geniculata</i>             | fireflag                  |                            |                     |       |         | X     |       | obl    |
| <b>Dicots</b>  |                |                                      |                           |                            |                     |       |         |       |       |        |
| Apiales        | Apiaceae       | <i>Centella asiatica</i>             | spadeleaf                 |                            | X                   |       |         |       |       | facw   |
|                |                | <i>Hydrocotyle</i> sp.               | marshpennywort            | X                          | X                   |       | X       | X     |       | -      |
|                |                | <i>Hydrocotyle umbellata</i>         | manyflower marshpennywort |                            | X                   |       |         |       |       | facw   |
|                |                | <i>Ptilimnium capillaceum</i>        | mock bishopsweed          |                            | X                   |       |         |       |       | obl    |
| Asterales      | Asteraceae     | <i>Ambrosia artemisiifolia</i>       | common ragweed            |                            | X                   |       |         |       |       | facu   |
|                |                | <i>Baccharis glomeruliflora</i>      | silverling                |                            | X                   |       |         |       |       | fac    |
|                |                | <i>Bidens alba</i>                   | beggarticks               |                            | X                   |       |         |       |       | fac    |
|                |                | <i>Conoclinium coelestinum</i>       | blue mistflower           |                            | X                   |       |         |       |       | fac    |
|                |                | <i>Conyza canadensis</i>             | Canadian horseweed        |                            | X                   |       |         |       |       | facu   |
|                |                | <i>Eclipta prostrata</i>             | false daisy               |                            | X                   |       |         |       |       | facw   |
|                |                | <i>Emilia fosbergii</i> *            | florida tassleflower      |                            | X                   |       |         |       |       | upl    |
|                |                | <i>Erechtites hieraciifolius</i>     | American burnweed         |                            | X                   |       |         |       |       | fac    |
|                |                | <i>Eupatorium capillifolium</i>      | dogfennel                 |                            | X                   |       |         | X     |       | fac    |
|                |                | <i>Heterotheca subaxillaris</i>      | camphorweed               |                            | X                   |       |         |       |       | facu   |
|                |                | <i>Mikania scandens</i>              | climbing hempvine         |                            | X                   |       | X       | X     | X     | facw   |
|                |                | <i>Pluchea odorata</i>               | sweetscent                |                            | X                   |       | X       |       |       | facw   |
|                |                | <i>Tridax procumbens</i> *           | coatbuttons               |                            | X                   |       |         |       |       | upl    |
|                |                | Capparales                           | Brassicaceae              | <i>Lepidium virginicum</i> | Virginia pepperweed |       | X       |       |       |        |
| Caryophyllales | Amaranthaceae  | <i>Alternanthera philoxeroides</i> * | alligatorweed             | X                          | X                   |       | X       | X     | X     | obl    |
|                |                | <i>Amaranthus australis</i>          | southern amaranth         | X                          | X                   |       |         | X     |       | obl    |
|                |                | <i>Amaranthus spinosus</i> *         | spiny amaranth            |                            | X                   |       |         |       |       | facu   |
| Dipsacales     | Caprifoliaceae | <i>Sambucus nigra</i>                | elderberry                |                            | X                   |       |         | X     | facw  |        |
| Fabales        | Fabaceae       | <i>Desmodium incanum</i> *           | zarzabacoa comun          |                            | X                   |       |         |       | upl   |        |
| Gentianales    | Apocynaceae    | <i>Catharanthus roseus</i> *         | Madagascar periwinkle     |                            | X                   |       |         |       |       | upl    |
|                | Asclepiadaceae | <i>Sarcostemma clausum</i>           | white twinevine           |                            | X                   | X     | X       | X     | X     | facw   |
|                |                | <i>Matelea reticulata</i>            | netted milkvine           |                            | X                   |       |         |       |       | X      |
| Haloragales    | Haloragaceae   | <i>Myriophyllum aquaticum</i> *      | watermilfoil              |                            |                     | X     |         |       | obl   |        |
| Lamiales       | Boraginaceae   | <i>Heliotropium polyphyllum</i>      | pineland heliotrope       |                            | X                   |       |         |       |       | fac    |
|                | Verbenaceae    | <i>Lantana camara</i> *              | lantana                   |                            | X                   |       |         |       |       | facu   |
|                |                | <i>Phyla nodiflora</i>               | turkey tangle fogfruit    | X                          | X                   |       |         |       |       | fac    |

**Table 1.** Continued.

| Order                  | Family           | Species                            | Common Name                  | STA-1E | STA-1W | STA-2 | STA-3/4 | STA-5 | STA-6 | Status |
|------------------------|------------------|------------------------------------|------------------------------|--------|--------|-------|---------|-------|-------|--------|
| Lamiales               | Verbenaceae      | <i>Verbena brasiliensis</i> *      | Brazilian vervain            |        | X      |       |         |       |       | fac    |
| Malvales               | Malvaceae        | <i>Sida rhombifolia</i>            | Cuban jute                   |        | X      |       |         |       |       | facu   |
|                        |                  | <i>Urena lobata</i> *              | caesarweed                   |        | X      |       |         |       |       | facu   |
| Myricales              | Myricaceae       | <i>Morella cerifera</i>            | wax myrtle                   |        |        | X     | X       |       |       | fac    |
| Myrtales               | Lythraceae       | <i>Ammannia latifolia</i>          | pink redstem                 |        | X      |       |         |       |       | obl    |
|                        | Myrtaceae        | <i>Callistemon viminalis</i> *     | bottlebrush                  |        | X      |       |         |       |       | -      |
|                        |                  | <i>Melaleuca quinquenervia</i> *   | melaleuca                    |        | X      |       |         |       |       | fac    |
|                        |                  | <i>Gaura angustifolia</i>          | southern beeblossom          |        | X      |       |         |       |       | -      |
|                        | Onagraceae       | <i>Ludwigia octovalvis</i>         | Mexican primrosewillow       |        | X      |       |         |       |       | obl    |
|                        |                  | <i>Ludwigia palustris</i>          | marsh seedbox                |        |        |       |         | X     |       | obl    |
|                        |                  | <i>Ludwigia peruviana</i> *        | Peruvian primrosewillow      |        | X      | X     |         | X     | X     | obl    |
| <i>Ludwigia repens</i> |                  | red ludwigia                       |                              | X      | X      | X     | X       | X     | obl   |        |
| Nymphaeales            | Ceratophyllaceae | <i>Ceratophyllum demersum</i>      | coontail                     | X      | X      | X     | X       | X     |       | obl    |
|                        | Nymphaeaceae     | <i>Nuphar lutea</i>                | spatterdock                  |        |        |       | X       | X     |       | obl    |
|                        |                  | <i>Nymphaea odorata</i>            | fragrant waterlily           |        |        | X     | X       | X     | X     | X      |
| Papaverales            | Papaveraceae     | <i>Argemone mexicana</i>           | Mexican pricklypoppy         |        | X      |       |         |       |       | -      |
| Polygonales            | Polygonaceae     | <i>Polygonum hydropiperoides</i>   | swamp smartweed              |        | X      |       |         |       |       | obl    |
|                        |                  | <i>Polygonum</i> sp.               | smartweed                    | X      | X      | X     | X       | X     | X     | obl    |
|                        |                  | <i>Rumex</i> sp.                   | docks                        |        | X      |       |         |       |       |        |
| Rhamnales              | Vitaceae         | <i>Parthenocissus quinquefolia</i> | Virginia creeper             |        | X      |       |         |       |       | fac    |
|                        |                  | <i>Vitis cinerea</i>               | Florida grape                |        |        |       | X       |       |       | fac    |
| Rubiales               | Rubiaceae        | <i>Cephalanthus occidentalis</i>   | common buttonbush            |        |        |       |         |       | X     | obl    |
|                        |                  | <i>Diodia virginiana</i>           | Virginia buttonweed          |        | X      |       |         |       |       | facw   |
|                        |                  | <i>Spermacoce verticillata</i> *   | shrubby false buttonweed     |        | X      |       |         |       |       |        |
| Salicales              | Salicaceae       | <i>Salix caroliniana</i>           | carolina willow              | X      | X      | X     | X       | X     | X     | obl    |
| Sapindales             | Anacardiaceae    | <i>Schinus terebinthifolius</i> *  | Brazilian pepper             |        | X      |       |         |       |       | fac    |
|                        |                  | <i>Toxicodendron radicans</i>      | eastern poison ivy           |        | X      |       |         |       |       | fac    |
|                        | Zygophyllaceae   | <i>Tribulus cistoides</i> *        | burrnut; Jamaican feverplant |        | X      |       |         |       |       | -      |
| Scrophulariales        | Lentibulariaceae | <i>Utricularia floridana</i>       | Florida yellow bladderwort   |        |        | X     |         | X     | X     | obl    |
|                        |                  | <i>Utricularia</i> sp.             | bladderwort                  | X      | X      |       | X       | X     | X     | obl    |
|                        | Scrophulariaceae | <i>Bacopa caroliniana</i>          | lemon bacopa                 |        | X      |       | X       |       |       | obl    |
|                        |                  | <i>Bacopa monnieri</i>             | smooth waterhyssop           |        | X      |       | X       |       |       | obl    |

**Table 1.** Continued.

| Order     | Family         | Species                       | Common Name         | STA-1E | STA-1W | STA-2 | STA-3/4 | STA-5 | STA-6 | Status |
|-----------|----------------|-------------------------------|---------------------|--------|--------|-------|---------|-------|-------|--------|
| Solanales | Convolvulaceae | <i>Ipomoea cordatotriloba</i> | tievine             |        | X      |       |         | X     |       | facu   |
|           | Menyanthaceae  | <i>Nymphoides aquatica</i>    | big floatingheart   | X      |        |       | X       | X     |       | obl    |
| Urticales | Urticaceae     | <i>Boehmeria cylindrica</i>   | false nettle        |        | X      |       |         |       |       | obl    |
| Violales  | Cucurbitaceae  | <i>Melothria pendula</i>      | Guadeloupe cucumber |        | X      |       |         |       |       | facw   |
|           |                | <i>Momordica charantia</i> *  | wild balsam apple   |        | X      |       |         |       |       | upl    |
|           |                |                               |                     | 30     | 110    | 32    | 46      | 45    | 27    |        |

\*exotic taxa

Nomenclature and classification followed Tobe et al. (1998) and USDA (2008).

Wetland status followed Tobe et al. (1998) and Wunderlin and Hansen (2008): obl = obligate wetland; facw = facultative wetland; fac = facultative; facu = facultative upland; upl = facultative upland

Tobe, J.D., K.C. Burks, R.W. Cantrell, M.A. Garland, M.E. Sweeley, D.W. Hall, P. Wallace, G. Anglin, G. Nelson, J.R. Copper, D. Bickner, K.Gilbert, N.Aymond, K. Greenwood and N. Raymond. 1998. Florida Wetland Plants: An Identification Manual. Florida Department of Environmental Protection, Tallahassee, FL. 598 pp.

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Wunderlin, R.P. and B.F. Hansen. 2008. Atlas of Florida Vascular Plants .[S. M. Landry and K. N. Campbell (application development), Florida Center for Community Design and Research.] Institute for Systematic Botany, University of South Florida, Tampa, FL. [<http://www.plantatlas.usf.edu>; viewed July 25, 2008]