Common Plants of the Lake Jackson Aquatic Preserve

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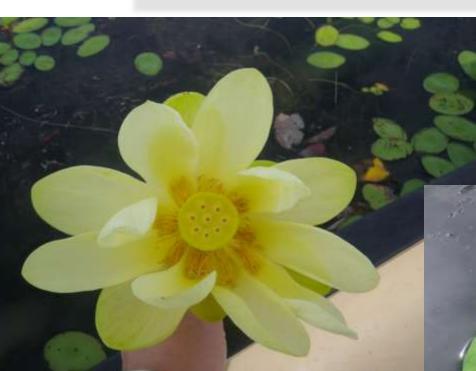
Objectives

- Photo tour of common aquatic plants of Lake Jackson and Carr Lake, organized by habitats or areas of the lakes (shoreline, lily pads, open water, floating islands, prairie, boat ramps)
- Field identification tips, especially for look-alike plants
- Identify invasive exotic plants to prevent spread
- Provide links to additional resources





American Lotus Nelumbo lutea



- Showy yellow flower
- Showerhead seed heads
- Water-repellant round leaves with no sinus





Pickerelweed Pontedaria cordata



Pickerelweed Pontedaria cordata

- Showy spike of purple flowers on a stalk separate from leaves
- Leaves approximately arrow-shaped, with parallel veins







Common Arrowhead, Duck Potato Sagittaria latifolia





Bulltongue Arrowhead Sagittaria lancifolia





Buttonbush Cephalanthus occidentalis









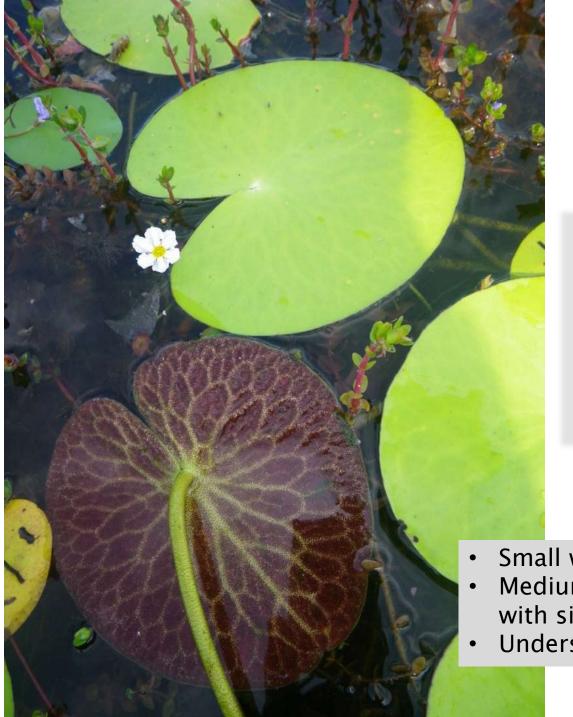


Watershield, Snotbonnet Brasenia schreberi



- Small peltate leaves, football shaped
- Mucilaginous cover on stems and underside of leaves
- Small red flowers





Floating Heart Nymphoides aquatica

Small white flowers

 Medium-sized floating leaf with sinus and rounded edges

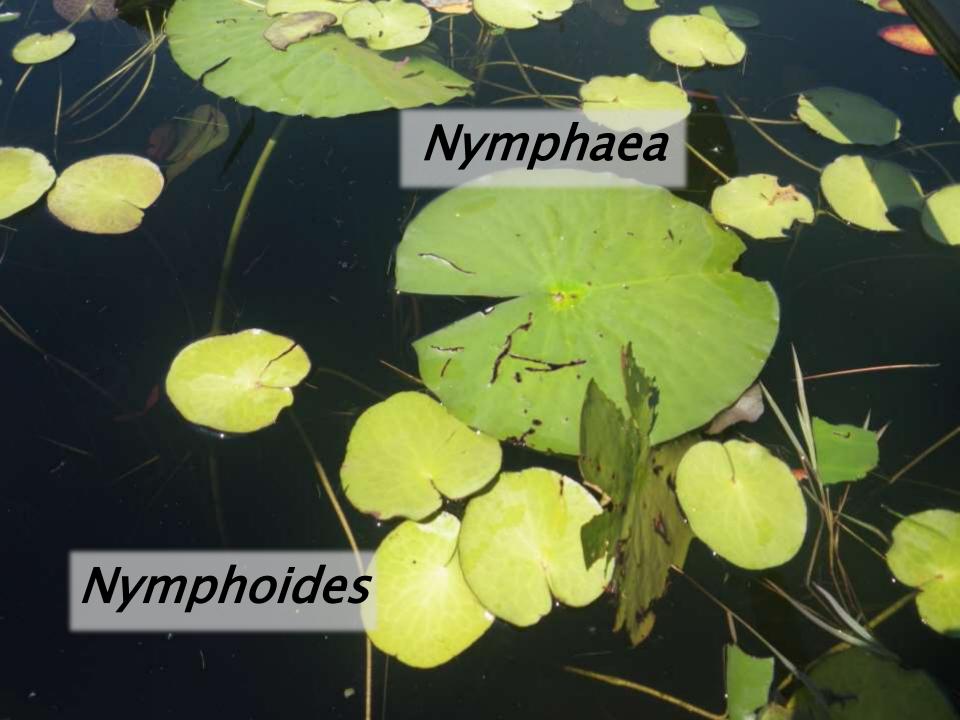
Undersides of leaves rough



Cow lily, Spadderdock *Nuphar* sp.







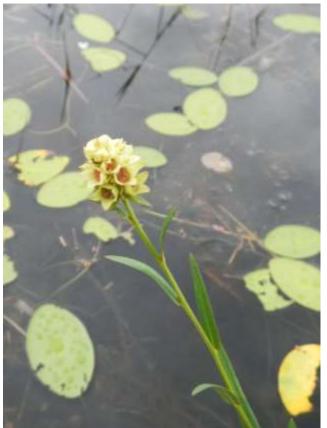




Shrubby Primrosewillow Ludwigia suffruticosa

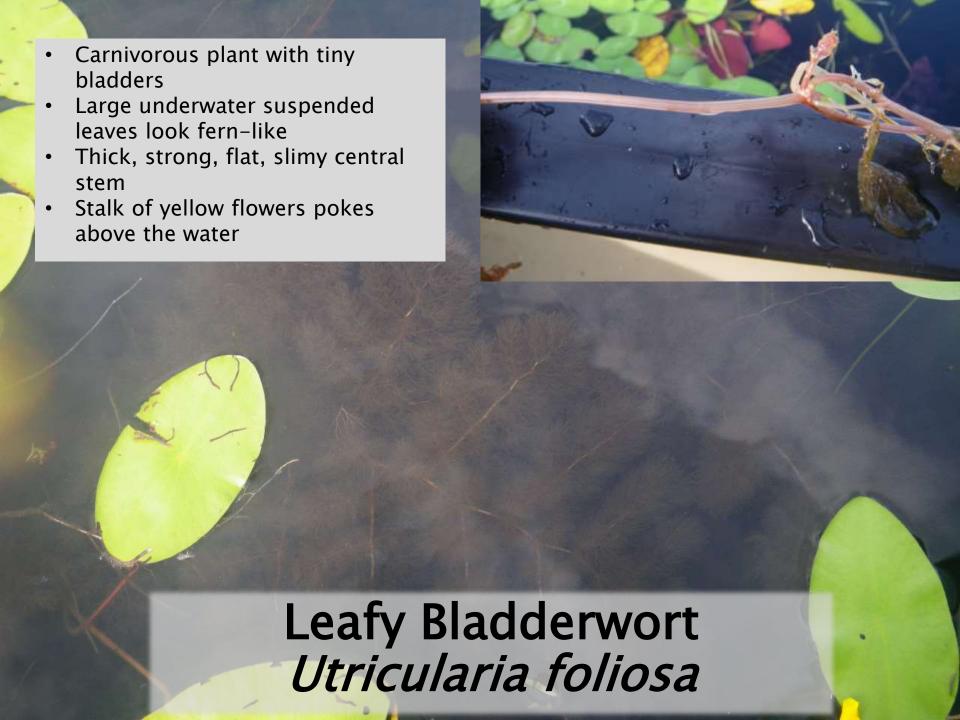


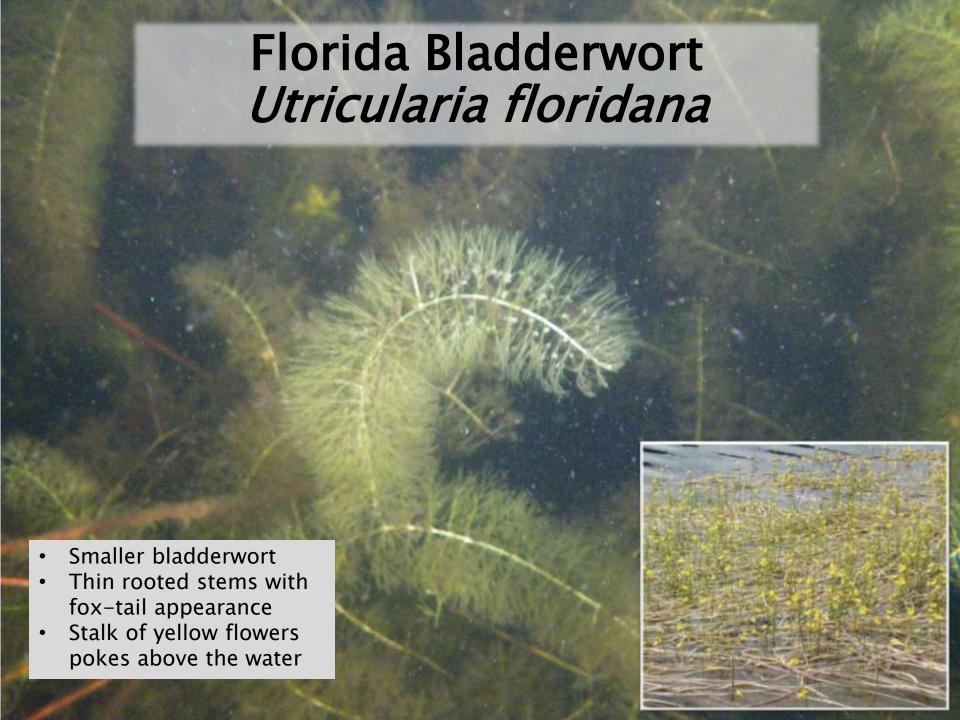
Underwater view – reddish green rounded leaves



Emergent view - linear alternate leaves, flowers without petals clustered at top of stem



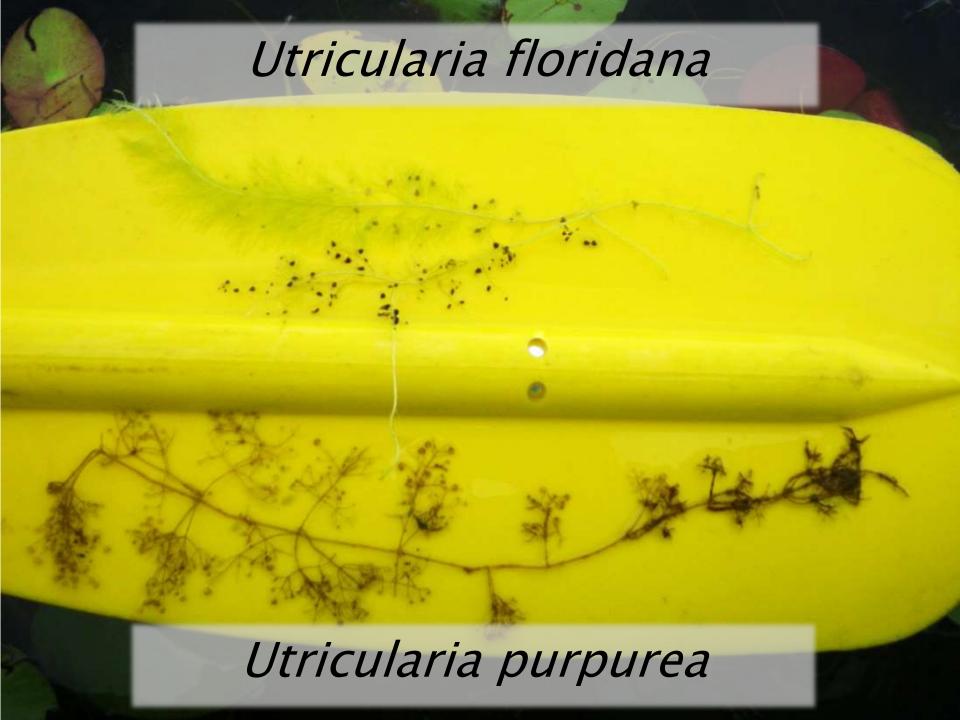






- Thin underwater suspended stems with sparse leaves in whorls of four
- Short stalks of single purple flowers above the water





Floating Islands (Tussocks)



Sedges and Rushes







Virginia Marsh St. John's-Wort *Hypericum virginicum*

- Medium herbaceous plant
- Leaves opposite, simple, egg-shaped, sessile (no stalks)
- Leaves and stems turn purplish
- Pink flowers non-showy





Yellow-eyed Grass *Xyris* sp.









Fanwort Cabomba caroliniana



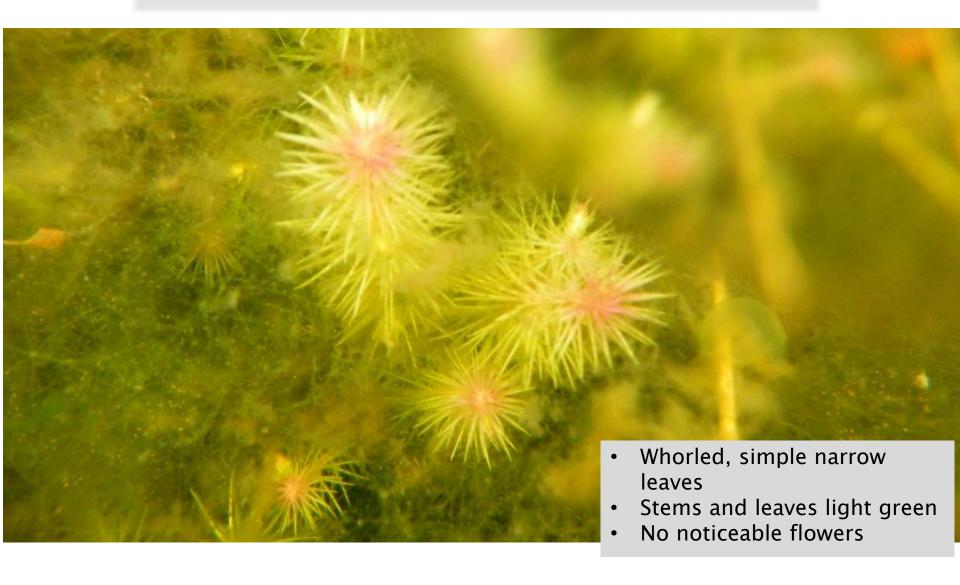
Opposite fan-shaped leaves
Stems usually purple
Tiny football-shaped floating leaf
Tiny pink-white flower



Fanwort flower, with floating Mudmidgets (looks like Spanish moss)



Bogmoss *Mayaca fluviatilis*





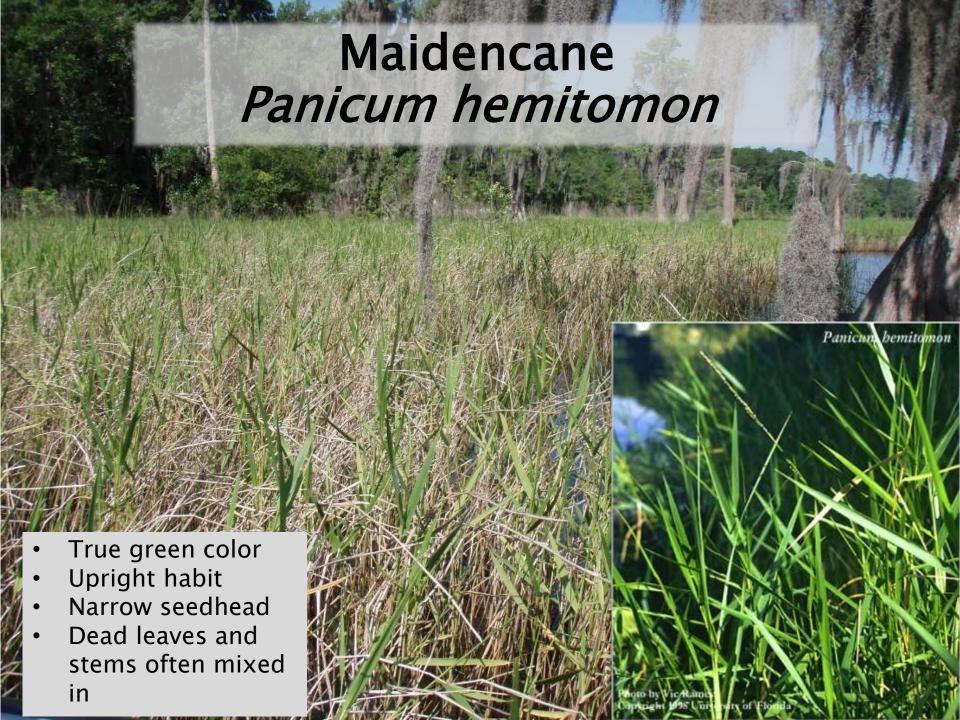
Water-milfoil (submersed)

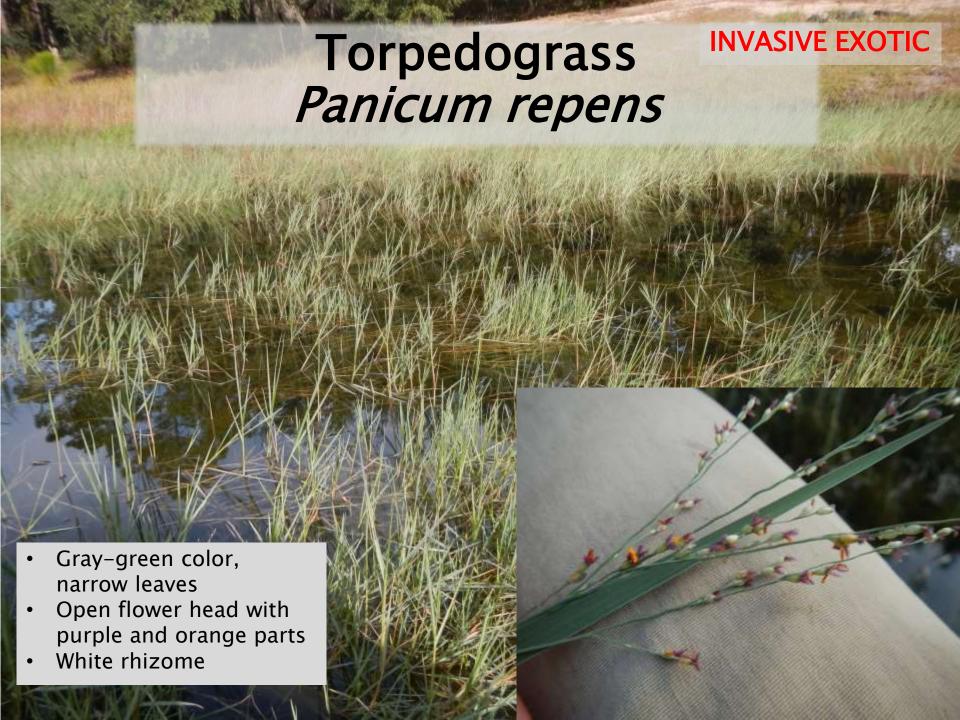


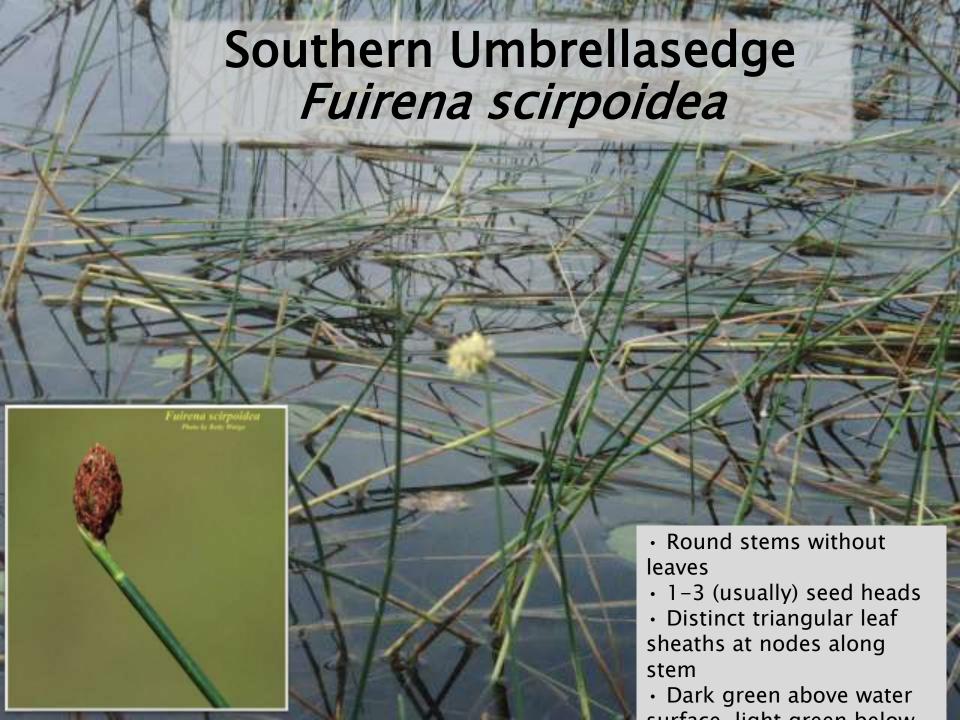


Water-milfoil Myriophyllum heterophyllum





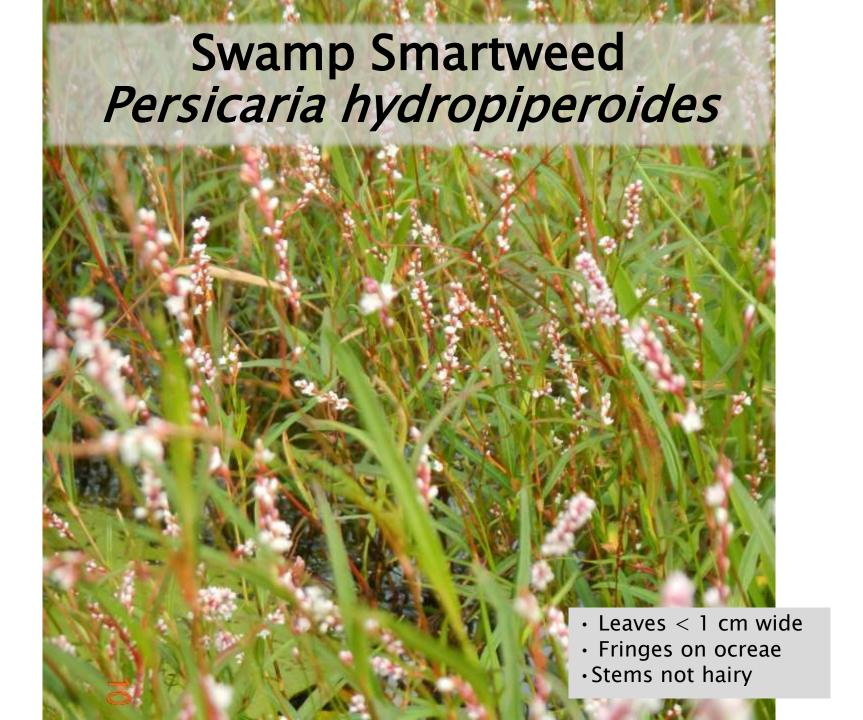






Denseflowered Smartweed *Persicaria* glabrum

- Several smartweed (knotweed) species
- Formerly Polygonum
- All have spike of pink/white flowers
- All have red or green knobs with sheaths along stem, called ocreae
- P. glabrum is large species with nonfringed ocreae





Hairy Smartweed *Persicaria hirsutum*

- Smaller species
- Very hairy stems and ocreae
- Fringes on ocreae



Swamp Loosestrife Decodon verticillatus

- Opposite stems and leaves
- Leaves look like willow
- Bunches of small showy hot pink flowers in leave axils







Burmarigold Bidens laevis



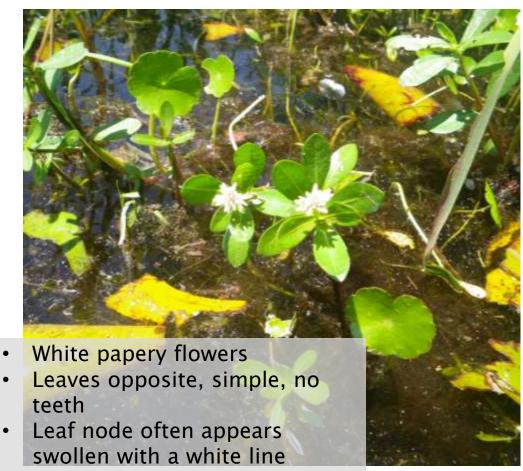
- Large showy yellow flowers
- Leaves opposite, simple, unlobed, toothed, sessile (no stalks)
- Young plants have purplish stems
- Mat-forming







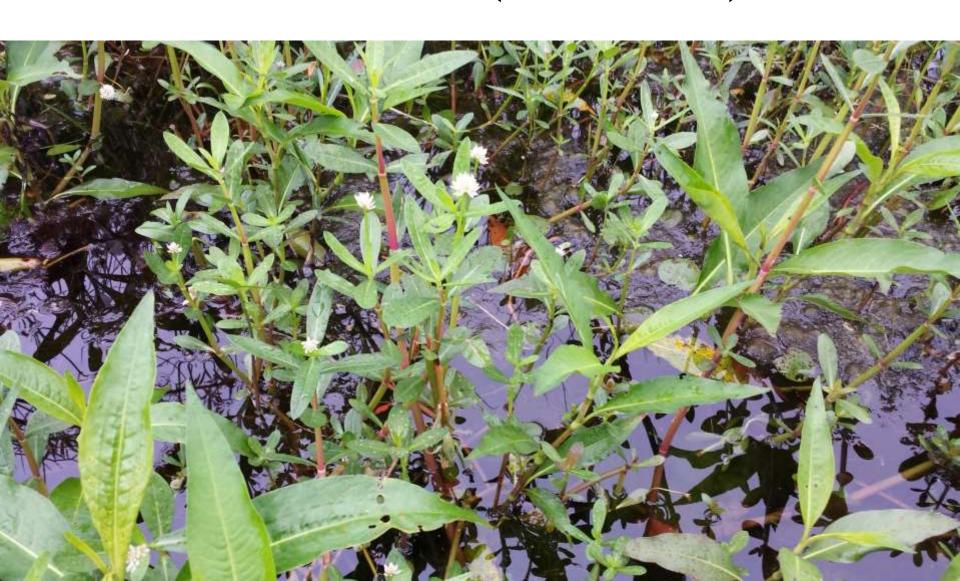
Alligator weed Alternanthera philoxeroides





Stem can be reddish

Alligatorweed and Smartweed (knotweed)













Cattails Typha sp.





Anglestem Primrosewillow Ludwigia leptocarpa





Wingleaf Primrosewillow Ludwigia decurrens





Additional Resources

- http://dep.state.fl.us/water/bioassess/plantid.ht
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- http://www.florida.plantatlas.usf.edu/
- http://plants.ifas.ufl.edu/
- Lake Jackson paddling trip <u>drone footage</u>

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