



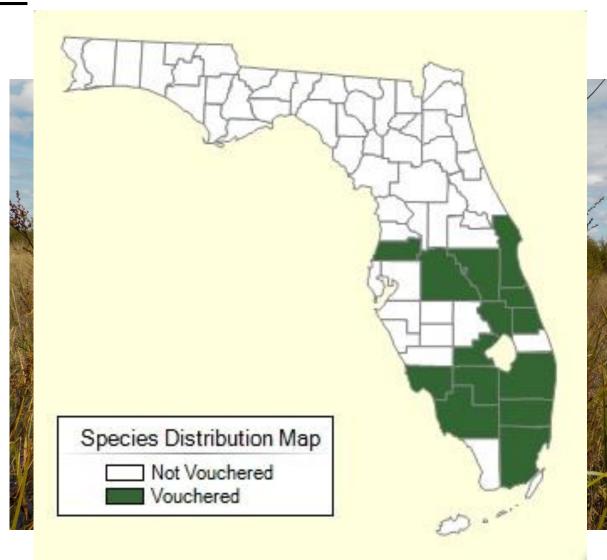
Scleria Overview

- 13 species in FL
- 4 non native (30% of Genera in FL)
- 1 of 4 FLEPPC Cat I Invasive
- 2 of 4 undergoing invasion risk assessment
- 1 of 4 in only Broward County since approx. 1970s



Scleria lacustris

- "Wright's Nutrush"
- Annual sedge
- FLEPPC Cat I Invasive
- First recorded in FL 1988
- Native range: Caribbean, Central & South America



Scleria lacustris Identification

Chararteristics:

- Can grow up to 6 ft. tall
- Rough leaves with W pleat.
- Triangular stems.
- Base of plants spongy and red.
- Small, smooth achenes/seeds.



Scleria lacustris Identification



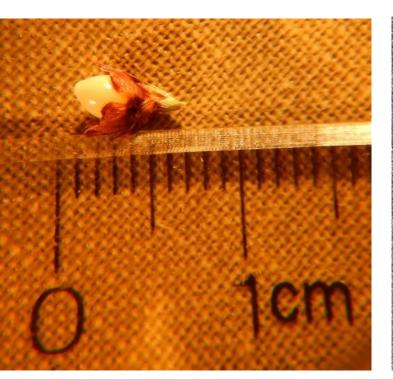






Scleria lacustris Identification

- Flowers typically overlooked
- Seeds green, turn grey or white when dry
- Single plant can yield 300 seeds







Scleria lacustris look alike

• Rhynchospora species share similar habitats and can be in bloom at the same time as Scleria lacustris.

Rhynchospora inundata







Vulnerable Habitats

- Seasonal Wetlands that dry down for weeks or months then flood again.
- Foraging areas for wading birds and snail kites



Mechanisms of Spread

- Water flux increases abundance
 - Increased germination
 - Increased seed production
 - Increased seed bank establishment
- Birds, cattle, humans; atvs, airboats, clothing & shoes





Scleria lacustris Management

- Timing is critical
- Survey- early spring, time with hydrology
- Treat- early before flower & seed production
- Diquat 0.05%-1%
- Follow-up treatments (14D)
- Delay draw down



Scleria lacustris Management

- Access difficulties
- Missed treatment windows
- Clip and bag seed heads then spray*

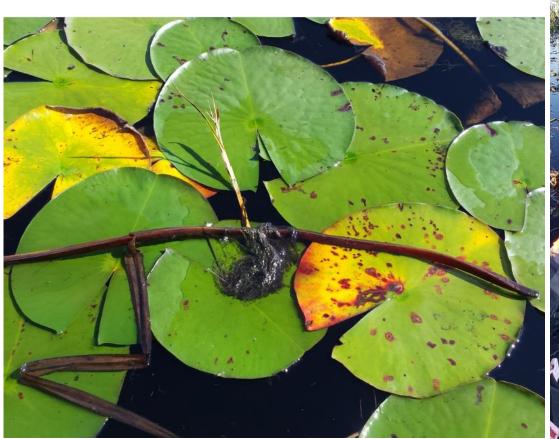




Lessons Learned

 Plants produced roots and flowers when pulled and dropped

Decontamination is crucial to avoid spread





Other Scleria Species You Should

Know

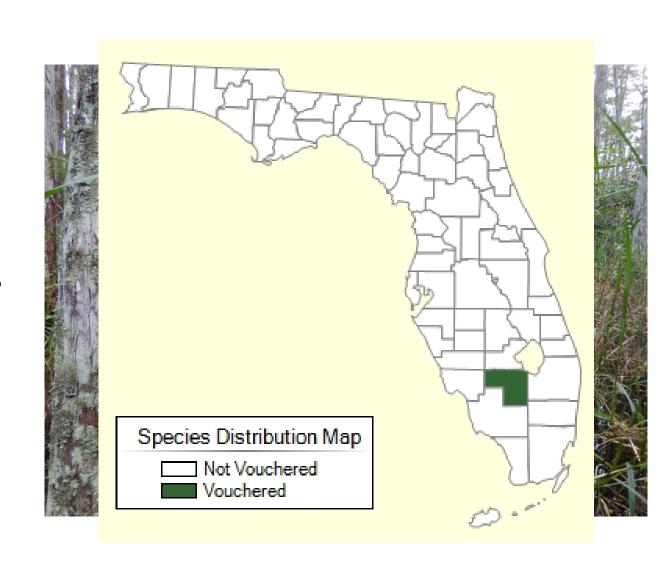
Scleria eggersiana

Scleria microcarpa



Scleria eggersiana

- "Eggers Nutrush"
- Perennial sedge
- Non-native
- Distribution: Tropical Americas
- First Identified in July, 2017
- Found under cypress

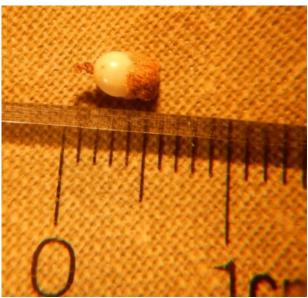


Scleria eggersiana Identification

- Small, smooth, roundish achenes
- Decurrent, W pleated leaves
- Triangular stem
- Large rhizomes
- Fused leaf tips









Scleria eggersiana Identification

Triangular stems & fused leaf tips









Scleria eggersiana Identification

Seedling



Small Plant



Mature Plant



Have you seen Scleria eggersiana?

- Report sightings on EDDMAPS
- Document
 - Date
 - Location
 - Life stage
 - Reproductive stage
 - Habitat
 - Hydrological data
 - Take pictures



Scleria microcarpa

- "Tropical Nutrush"
- Perennial Sedge
- Non native & behaving badly
- Distribution: Tropical Americas
- First sighted approx.
 2007,identified 2015
- Infested habitats cypress and hardwood swamps

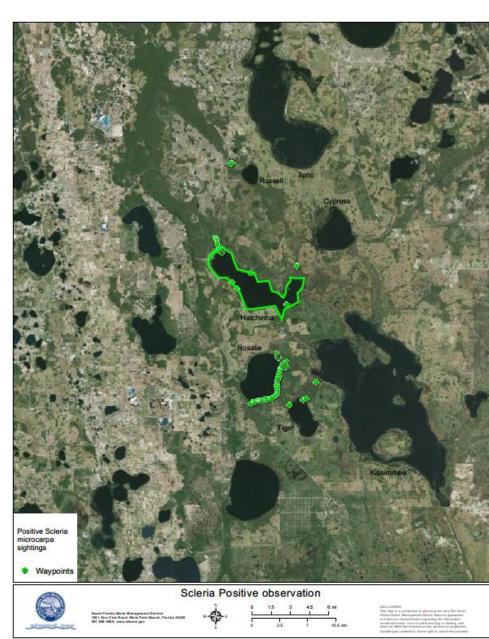


Scleria microcarpa Range in Florida

 Only vouchered in Polk and Osceola Counties

Verified at

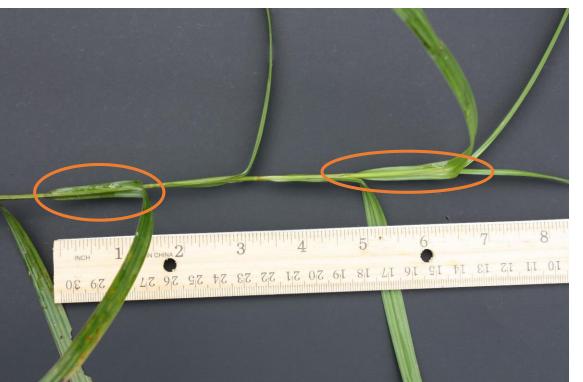
- Lake Hatchineha-entire perimeter
- Lake Rosalie
- North end of Tiger Lake
- Lake Kissimmee State
 Park
- Reedy Creek

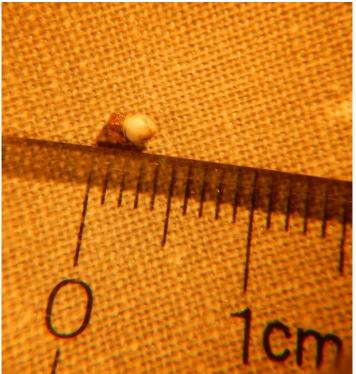


Scleria microcarpa Identification

- Leaves
 - Pleated (W Shape)
 - Decurrent; extending like wings down the stem

- Triangular stems
- Rhizomes
- Tiny, smooth, exposed achenes.





Scleria microcarpa Identification

Seedling

Small, Sprouting Plants

Mature Plant







Scleria microcarpa Seed Heads

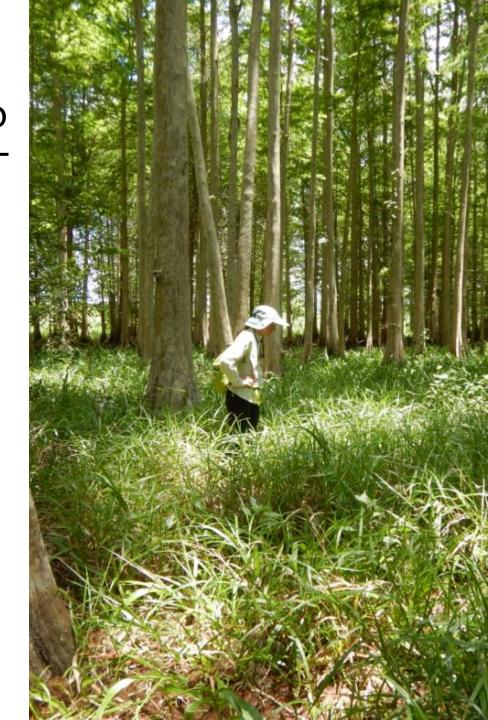
Achenes (seeds) are tiny and are exposed





Have You Seen Scleria microcarpa?

- Report sightings on EDDMAPS
- Document
 - Date
 - Location
 - Life stage
 - Reproductive stage
 - Habitat
 - Hydrological data
 - Take pictures



Thank You!











Sources:

Jacono, C. C., Langland, K. A., & Hutchinson, J. (n.d.). Wright's Nutrush: An Invader of Seasonal Wetlands in Florida. Gainesville: UF/IFAS. doi:SS-AGR-342/AG352