

I. Prep

- A. Prep. savanna/woodland .pptx to flash
- B. Set up KB with laptop & pptx. & laser pointer
- C. Edwards wetland photos
- D. Flag Edwards Woodland trees
- E. Saw equipment and gloves for Edwards Woodland girdling

II. Orientation in Gathering Room - savanna/woodland.pptx

III. Field (thru S. Gate)

- A. Indicator of remnant oak woodland plants in closed-canopied forest (behind LL pavilion)

- 1. due to native soils and hydrology

- B. Process of restoring oak woodland (Luckey Woodland)

- 1. Understory removal stages (cut and treat stumps)

- a) hand loppers

- b) chainsaw

- 2. Selecting overstory trees to remove by girdling

- 1st... non-hard mast producing species (Black Cherry & Sugar Maple)

- 2nd..... hickory species

- 3rd....oak species to get to 30-80% canopy cover (densiometer)

- a) woodland: < 70 tpa = 25 ft spacing

- 3. Reintroduce fire (burned 4/18.... planned for spring 2024)

(look at tip-up with sandy soil)

C. Savanna (S. Sand Hill) (grazing history)

1. IEP removal
2. Thinning to 5-30% canopy cover of oak (black oak due to soils)
 - a) savanna: < 40 tpa = 35 ft spacing
3. Monitoring
 - a) native species establishment
 - Indian grass
 - big bluestem
4. Reintroduce fire (burned 4/18.... planned for spring 2024)

(park along access road along Edwards Woodland)

D. Edwards Woodland Project

1. removal of understory trees
2. sprayed woody ground cover species
3. flagged "remove" mid-story trees
 - a) girdle/treat example trees
4. Use densiometer to select overstory trees to girdle

(drive thru north gate and park along send of 525W)

E. Show time-lapse photos of Edwards wetland restoration

The most effective strategies for restoring savanna ecosystems include:

- **Prescribed burns**
- **Mechanical and hand removal of invasive plants**
- **Use of herbicides**
- **Establishment of native plants**
- **Monitoring of the site**