

APPENDIX A  
QUALITATIVE DATA SHEETS

**Qualitative assessment data sheet**

Transect ID: YRR-PT1-625

Date: 10/11/2016

Plant Community Type: Hydric pine savanna

Time (am/pm): 10:30 AM CT

1. Weather:  Full Sun  Part Sun  Cloudy  Cloudy with Rain/Fog

2. Temperature:  20-50 F  51-70 F  71-90 F  91-110 F

Pine Plantation (Rows)  Restoration in progress  Pine Plantation (Rows)  Managed for Pine  Natural Forest

3. CANOPY % cover:  Absent  0-1%  1-5%  6-25%  26-50%  51-75%  76-100%

4. Estimated height class of the majority of TREES using the following scale:  absent  3-5m  6-10m  >10m

List 6 dominant TREE species observed in canopy:

1. N/A  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_

5. Estimated height class of the majority of SUBCANOPY using the following scale:  absent  3-5m  6-10m  >10m

List up to 6 dominant SUBCANOPY species observed:

1. N/A  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_

6. SHRUBS % cover:  Absent  0-1%  1-5%  6-25%  26-50%  51-75%  76-100%

List 3 dominant SHRUB species observed:

1. *Myrica cerifera*  
2. *Baccharis halmifolia*  
3. \_\_\_\_\_

7. Estimated height class of the majority of SHRUBS using the following scale:  absent  0-5m  .6-1.5m  1.6-3m

List 3 of the most common SHRUB and/or TREE seedlings observed:

1. *Pinus elliottii*  
2. *Myrica cerifera*  
3. *Nyssa biflora*

8. GROUNDCOVER % cover of graminoids (grasses, sedges and rushes):  
 Absent  0-1%  1-5%  6-25%  26-50%  51-75%  76-100%

9. TOTAL GROUNDCOVER % cover (including graminoids and forbes):  
 Absent  0-1%  1-5%  6-25%  26-50%  51-75%  76-100%

List up to 9 dominant GROUNDCOVER species observed:

1. *Andropogon virginicus*  
2. *Symphotrichum dumosum*  
3. *Agalinis divaricata*  
4. *Rhynchospora* spp.  
5. *Euthamia* spp.  
6. *Centella asiatica*  
7. *Eupatorium leptophyllum*  
8. *Rubus argutus* and *R. cuneatus*  
9. *Juncus marginatus*

List the NATIVE WEEDY or RUDERAL species observe - otherwise SEE 18. EXOTIC SPECIES BELOW

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_

Vegetation notes: Site has been burned in 2015. Groundcover is dominated by herbaceous species, mostly *Andropogon virginicus*. Good coverage by herbs, this will help carry fire during the next prescribed fire. Many shrubs over 3 feet in height, these need to be burned and reduced to shorter coppice.

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10. Tree density: no canopy

11. Tree health: no canopy

13. Water table:  at the surface  below surfaceStanding water:  present  absent14. Water color:  tannic  non-tannic/clear  cloudy**Notes on wildlife usage observed:**1. Yellow throat warbler2. Eastern phoebe3. Red-shouldered hawk4. Turkey vulture5. Blue darner dragonfly6. Buckeye butterfly7. White tailed deer8. Crickets9. Tiger swallowtail, black swallowtail

17. Wildlife usage and natural history observations:

 herbivory frog calls footprints scat fish birds mammals arthropods scratch marks

**Wildlife notes:** Many species of pollinators visiting flowering false foxglove, frost aster and blazing star (*Liatris spicata*). High density of migratory sparrows, wrens, and warblers using the dense broomgrass (*Andropogon*) for shelter. Birds of prey included sharp-shinned hawk, coopers hawk, red shouldered hawk and turkey vultures.

Butterfly density was high, many swallowtails and monarchs visiting the tall *Agalinis* flowers. Buckeye butterfly larvae observed eating the *Agalinis*. Juvenile alligators observed.

**Notes on Exotic species observed:**18. Exotic species:  present  absent

*Sapium sebiferum* <1% cover; *Paspalum notatum* < 1% coverage. A previously treated patch of cogon grass (*Imperata cylindrica*) has regenerated < 1% cover

Large landscape scale reduction of soil disturbance from feral pigs. Pig footprints seen throughout the site. Large pig trap observed on west portion of the site.

Juvenile alligators observed in pools associated with the east portion of site, near floodplain.

**Notes on Restoration:**

19. Notes on the general aspect of the site/techniques to meet restoration goals:

Is natural regeneration occurring?  yes  no

and:

 species appropriate supplemental planting/seeding neededLandscape observation:  appropriately managed

Planted? some areas are planted with native tree samplings

~Tree age:  0-5 yrs.  6-10 yrs.  11-20 yrs.  20+ yrs.Recommendations for restoration:  prescribed burn

other:

20. Notes on prescribed burning and fire conditions:

Fuels: 3af litter (cm): 1 duff (cm) 0 Note: site should burn well, dense grasses and sedges in groundcover

Soil moisture: moist

**Specific notes on restoration, observations, or adaptive management techniques:**

Continue prescribed burning, this is assisting the natural regeneration of appropriate native groundcover species. Landscape is open. In some areas the red maple, white cedar, pond cypress and slash pine have augmented the planted saplings. These will enhance the overall restoration, providing structure and habitat. A large hog trap has reduced hog damage. Burning will eliminate and suppress invasive exotic plants.