Goethe/Etoniah Creek State Forest Restoration

Florida Department of Agriculture & Consumer Services

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- Located in East Levy & SW Alachua County

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- Putnam County

Charlie Pedersen
- Waccasassa Forestry Center Biologist
- The Seven Forests
Snapshot in Time…2 Forests

- Progression to Uneven Aged Longleaf Pine
- How Long Does It Take to Grow a 300 Year Old Tree?
- Fire
FFS Mission Statement

• The mission of the Florida Forest Service is to protect Florida and its people from the dangers of wildland fire and manage the forest resources through a stewardship ethic to assure they are available for future generations.
Restoration – Multiple Use
Goethe

Etoniah Creek
Natural Communities - Goethe

Map Legend is Sensu Davis 1967 – General Map of the Natural Vegetation of Florida – IFAS S178
Natural Communities – ECSF
Prescribed Fire #1 Restoration Tool
Prescribed Fire History of Florida's State Forests FY 1982/83 - 2014/15

- Total Acres
- Predicted High
- Predicted Low
- Planned
- Accomplished
- Wildfire

Fiscal Year

Acres

0 100000 200000 300000 400000 500000 600000 700000 800000 900000 1000000 1100000 1200000
Prescribed Fire History of Goethe State Forest FY 1992/93 - 2014/15

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<th>Fiscal Year</th>
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Goethe 10 Year Fire Return Interval
Prescribed Fire History of Etoniah Creek State Forest FY 1995/96 - 2014/15

Fiscal Year

Acres

Total Acres
Predicted High
Predicted Low
Planned
Accomplished
Wildfire
Silviculture - Harvest
Fuel Manipulation
Mow – Roller Chopping - Herbicide
Goethe State Forest Restoration
1994-2014
Chopping 2,300 acres
Herbiciding 750 acres
Mowing 1,650 acres

Legend
- State and County Roads
- GSF Roads
  - Primary
  - Secondary
  - Service
- GSF_Mowing_History
- GSF_Herbicing
- GSF_Chopping
- GSF_Boundary

Created by: RRCahal
Date: November 4, 2015

This map is the product of the Florida Forest Service. There are no warranties made as to the fitness of this map for any unlisted purpose. Furthermore, no warranties are provided for data therein, its use, or its interpretation.
Silviculture - Regeneration
1 – 5 – 15 Year Old Longleaf Plantings
Monitoring Rare Species - Validate Land Management Strategies

- Goethe
  - Red Cockaded Woodpeckers
  - Rich Literature/Detailed Recovery Plan
  - Umbrella<>Keystone<>Indicator Species
  - Elaborate Habitat & Single Species Manipulations

- Etoniah Creek
  - Etonia Rosemary
  - No Literature/Not Sure What it Indicates
  - Only Occurs in 1 Place….Etoniah
Red Cockaded Woodpeckers on Goethe

• 2 Sub-Populations Have Diverging Fates
• Northern Birds Population Growth Has Stalled
• Southern Birds Have Hit Recovery Goal
Goethe State Forest

2015 Breeding Season

55 PBGs
42 Nesting Clusters
37 Fledges

19,769 Acres burned (37% of Total)
Etoniah rosemary; Evidence Soil Disturbance