

Graham Creek Nature Preserve Demonstration Forest and Research Facility

Overall goal of the project is the habitat management for watershed health and resiliency in a coastal Alabama forested watershed as well as the public education of data collected from research efforts.

1. Prescribed Burning Program - \$169,000 (match \$44,000)
 - a. Educational Fire Wise Program for area – Initial \$10,000; \$1000 Annually
 - b. Host Prescribed Burning Workshops Annually & Prescribed Burn Manager Certification – Initial \$10,000; \$5000 Annually
 - c. Monitoring of pre and post burn conditions to include water quality and plant & animal populations – Annually \$25,000
2. Invasive Species Control Program - \$250,000 (match \$25,000) – Annually \$50,000
 - a. Control cogongrass, privet, tallow tree & Japanese climbing fern using various control & eradication methods for 5 years
 - b. Documenting success & failure rates to include prescribed burn effects on invasive species
3. Forest Restoration Program - \$400,000 (match \$150,000)
 - a. Develop longleaf pine nursery on 10 acres of Preserve to provide AL Forestry Commission & communities with seedlings for reforestation – Initial \$150,000; \$25,000 Annually
 - b. Reforestation of 75 acres in a longleaf demonstration forest with monitoring of success – Initial \$100,000; \$10,000 Annually
4. Water Resources - \$250,000 (match \$50,000)
 - a. Water Quality Monitoring for Comparison of Urbanized and Natural Streams with Riparian Buffers – \$20,000 Annually
 - b. Water Resources Analysis with aquifers in coastal areas - \$20,000 Annually
5. Demonstration Forest Educational Training Facility (2 classrooms, 3 offices, auditorium, interpretive area, laboratory and small dorm facility for students) - \$500,000