

# Lanier Environmental Consultants

## Representative Project Experience

### Ecology and Planning

#### *Hall County, Georgia*

##### **Government Client:**

LEC conducted an Ecology Assessment, Air Quality Analysis/Model, and Noise Analysis for proposed improvements to Skelton Road in Gainesville. The scope of work included a wetland delineation, a habitat survey, and a threatened and endangered species assessment. Air quality modeling and analysis was also performed, as well as a noise impact assessment.

#### *Gordon County, Georgia*

##### **Government Client:**

LEC conducted a Noise Impact Assessment and Air Quality Assessment for the proposed realignment of State Route 225 and bridge replacements in Calhoun. Noise modeling and analysis were performed, as well as a Mobile Source Air Toxics (MSAT) assessment.

### Wetland Delineation and Mitigation

#### *Montgomery County, Alabama*

##### **Commercial Client:**

LEC conducted a large area wetland delineation located on a 130-acre tract of land. The property was disturbed through various means that included a railroad, extensive beaver damming, logging, and excessive hurricane damage. The natural and man-made problems created several atypical situations that required a thorough and detailed delineation of the property. LEC successfully delineated the property, which consisted of 17 USACE approved wetlands acres.

#### *Elmore County, Alabama*

##### **Commercial Client:**

LEC conducted wetland delineation for a development that had begun construction prior to wetland permitting. LEC staff assisted the developers and the USACE in successfully identifying all wetland areas on the property, including those that had been accidentally destroyed. After identifying these areas, LEC assisted in purchasing wetland mitigation credits, in establishing a conservation easement on the remaining wetlands, and wrote and implemented a USACE approved wetland restoration plan.

#### *Franklin County, Alabama*

##### **Government Client:**

LEC conducted wetland delineations for a four-mile roadway project that consisted of three separate alternatives. All alternatives were delineated, evaluated, and compared to determine which had the least impacts on wetland resources in that area.

### *Elmore County, Alabama*

#### **Government Client:**

LEC developed a wetland mitigation plan for the impacts resulting from a roadway construction. It involved coordination and negotiation with the U.S. Army Corps of Engineers, USFWS and the Alabama Department of Natural Resources to secure a perpetual easement of 29 acres to be restored as bottomland hardwoods and an open water marsh. Approval of the mitigation plan was granted and the easement was obtained.

### *Tuscaloosa County, Alabama*

#### **Government Client:**

The project involved the delineation of a wetland area and a habitat survey to look for any indication of vegetation that would support foraging areas for the Red cockaded woodpecker. A Section 404 Nationwide Permit was obtained.

### *Tuscaloosa County, Alabama*

#### **Government Client:**

This project involved the delineation of two wetland areas for the development of an interchange and access roads. The roadway impacted less than 3 acres of wetlands and less than 500 feet of streambed.

### *Elmore County, Alabama*

#### **Government Client:**

The project included the delineation of three wetland areas and habitat surveys for the Red-cockaded Woodpecker and the Alabama Canebrake Pitcher Plant (*Sarracenia rubra*). A Section 404 Nationwide Permit was obtained for road construction.

### *Elmore County, Alabama*

#### **Government Client:**

The project involved the delineation of two wetland areas and conducting a habitat survey. The road project impacted less than one acre of wetlands and the construction of bridges to minimize impacts. The habitat survey was conducted to look for Red-cockaded Woodpeckers and Alabama Canebrake Pitcher Plant. A Section 404 Nationwide Permit was obtained.

### *Tuscaloosa County, Alabama*

#### **Government Client:**

The project involved the delineation of two wetland areas and a habitat survey. The *Potalimus inflatus* (inflated heelsplitter) was found in the Black Warrior River. As a result of the negotiations with USFWS, the *Potalimus inflatus* were surveyed and removed to a new location every 30 days during construction. LEC monitored construction to assure compliance with the USFWS and success of the relocation. A Section 404 Nationwide Permit was obtained for road construction.

***Tuscaloosa County, Alabama***

**Commercial Client:**

LEC conducted habitat and ecological surveys for a proposed 8 mile road project which included identifying, classifying and delineating 11 separate wetland areas. Coordination with the U. S. Army Corps of Engineers was conducted and a Section 404 Nationwide Permit was processed for the project. LEC also coordinated with U.S. Fish and Wildlife Service to identify potential habitat for the Red-cockaded Woodpecker (*Picoides borealis*) within the project corridor.