

# **Lanier Environmental Consultants**

## **Representative Project Experience**

### **Stream Analysis and Restoration**

#### ***Elmore County, Alabama***

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

LEC conducted an in-depth stream analysis survey of a potentially polluted stream. Both physical and chemical properties were analyzed upstream and downstream of the area believed to be the point source. Laboratory analysis of the samples taken pinpointed the cause and type of pollution occurring.

#### ***Elmore County, Alabama***

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

LEC conducted stream analysis surveys to assist the client and the USACE in determining pollution impacts and mitigation requirements for impacted streams in the area. LEC used reference streams in the same watershed, to reconstruct the morphology of the streambed and natural flow conditions prior to impact. A USACE approved stream restoration plan was implemented to re-establish both the aquatic properties of the stream and the terrestrial borders, which include both riparian uplands and wetland vegetation along the stream reach.

#### ***Gwinnett County, Georgia***

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

LEC performed stream surveys for a 14-mile stretch of highway with over fifty stream crossings. Streams were assessed based on water quality, morphology, and overall function and the types of impacts that would occur. The impacts included perpendicular crossings, longitudinal encroachment, piping and fill. These impacts were evaluated based on USACE standard operating procedures and State of Georgia requirements.