

Environmental Services

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Environmental Services

We provide valuable insight to our clients on the optimum approach to safeguarding our precious natural resources. This allows us to steward often compromised and limited resources for the betterment of all. Our Environmental sector understands the complex federal and state environmental regulations that affect the business interests of its clients. We help our clients develop strategic programs that satisfy all applicable state/federal regulations in an efficient manner, while improving the natural resources in their communities.

**EMPLOYEE-OWNED.
CLIENT FOCUSED.**

Wetland Assessments and USACE Permitting

LJA's environmental professionals are recognized leaders in providing assessments for wetlands and Jurisdictional Waters of the United States. They excel at the permitting services required by the US Army Corps of Engineers (USACE) Sections 401 and 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act.

Mitigation Plans

The USACE requires mitigation as part of the permitting process to help avoid, minimize, and compensate for impacts to aquatic resources. Our team will assess the proposed impacts and develop mitigation options and/or a plan to present to the client. If available and depending upon the resource impact, a mitigation bank is often the best resource for such mitigation.



Environmental Documentation

National Environmental Policy Act (NEPA) is often required for project types that include transportation, park, drainage, waterline, and other infrastructure. Federal funding of projects also triggers NEPA requirements. LJA's knowledge and understanding of local, state, and federal environmental regulatory compliance issues are key to helping clients successfully meet their project goals.



GIS/CADD Mapping

Field data is collected using sub meter GPS units and incorporated into GIS along with georeferenced aerials and multiple other data sets to produce environmental project map plans. CADD is used along with GIS to create on-site and off-site mitigation plans, conceptual site development plans, and nationwide and individual permit drawings to USACE standards.

Drone Surveys

Our FAA-certified drone pilots provide aerial photography and videography to ensure thorough site assessments (potential jurisdictional areas, construction progress, monitoring, etc.). Our drones are equipped with state-of-the-art cameras that shoot high resolution photos and orthomosaics, 4K video, contour lines, 3D models, normalized difference vegetation index (NDVI), and digital surface models.

Agency Coordination

Diligent coordination with federal and state agencies is crucial for environmental projects. Our experience includes agencies such as USACE, US Fish & Wildlife Service, US Coast Guard, Texas Water Development Board, Texas Parks & Wildlife, Department of Transportation, and Commission on Environmental Quality.

Hazardous Materials Assessments

LJA offers site investigation from assessment to remediation. All Phase I ESAs are performed to ASTM standards to ensure our clients receive the most accurate assessments of their properties. Our professionals have experience in providing Phase II and III environmental services, including characterization and delineation, site remediation, closure, and groundwater monitoring.

Cultural Resources

Compliance with Section 106 of the National Historic Preservation Act (NHPA) is a necessity for a project requiring federal funding/permits, while compliance with the Antiquities Code of Texas (ACT) is also required for projects on publicly owned land. Our team of archeologists and historians have the experience necessary to help our clients succeed.

Monitoring

A condition of wetland mitigation in a USACE permit requires quarterly monitoring and reporting to the USACE. Our team will conduct a biological assessment of the progress of wetland development and vegetative succession and ensure compliance with conditions of the permit.

Threatened and Endangered Species

LJA is equipped with the knowledge and experience to evaluate projects to determine if protected species or their critical habitat are present within the boundaries of the project area and determine if the project would result in a "Take" of any protected species or their critical habitat.



Resources

LJA Environmental includes seasoned professional leaders in the fields of wildlife ecology; aquatic and terrestrial biology; karst-related geology; prehistoric and historic archeology; and even architectural, industrial, and engineering history. Our unique team of professionals are all recognized experts in their respective fields, each with many years of experience conducting objective and reliable scientific and technical studies. Moreover, each member of our professional staff understands how those studies apply toward achievement of your project's particular environmental permitting and regulatory compliance needs. Whether you need a single resource specialist or an entire team, call one of our team leaders to discuss an environmental permitting and compliance solution that works for you.