

# AVIATION

## Services



**BIRKITT**  
ENVIRONMENTAL  
SERVICES, INC.



Birkitt Environmental Services, Inc. (Birkitt) has extensive experience providing environmental services to the aviation industry throughout the State of Florida. We specialize in environmental planning; wetlands, wildlife, and water quality studies; Environmental Assessments (EA) and Environmental Impact Statements (EIS); permitting/certification and mitigation design for a variety of airport projects. Innovative and strategic approaches are utilized to expedite permitting and provide cost-effective practical solutions to environmental issues. Birkitt staff have in-depth knowledge of all regulatory processes, wetlands delineations, habitat assessments, report preparation, and agency negotiations necessary for airport expansions and modifications.

### ***Key Aviation Services Include:***

#### **Regulatory and Permitting**

- Federal Aviation Administration (FAA) Coordination
- National Environmental Policy Act (NEPA) Compliance
- USACE Section 404 and Section 10
- Environmental Resource Permits (ERP)
- State Owned Uplands and Submerged Lands Easements
- Water Use Permitting
- Local Government Permitting and Licenses
- Coastal Zone Management Act (CZMA) Coordination

#### **Ecological Services**

- Wetland Delineation, Mapping, Functional Assessment, and Mitigation
- Environmental Assessments (EA)
- Environmental Impact Statements (EIS)
- Benthic Habitat Mapping, Impact Assessment and Mitigation
- Essential Fish Habitat Analysis
- State and Federal Protected Species Assessments
- Endangered Species Act / Section 7 Consultation
- Water Quality Impact Assessments

#### **Public Involvement**

- Coordination of Environmental/Special Interest Groups
- Public Scoping Meetings & Open Houses

#### **Monitoring and Construction**

- Development of Implementation Plans
- Stormwater Pollution Prevention Plans (SWPPP)
- Compliance Monitoring

*people and nature*

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### ***Van Fleet International Cargo Airport***

Birkitt provided environmental consulting services for a greenfield cargo airport and mixed use development proposed on approximately 22,000 acres of previously mined lands in Hardee County, Florida. The project would require a Development of Regional Impact (DRI), and state and federal environmental permits as well as FAA approval. Key issues are wetlands, protected species, and hydrology in addition to land planning. An offsite regional mitigation approach was evaluated for wetlands impacts. A coordinated permitting process was necessary to ensure consistency among the environmental reviews by the various regulatory agencies.

### ***Southwest Florida International Airport***

Birkitt prepared the environmental permit application for the ERP/Section 404 Permit for a 4,178-acre expansion of the Southwest Florida International Airport facility in Ft. Myers. Consultation with the state and Federal regulatory agencies was a key component of the permitting process. Birkitt was instrumental in the development of the wetlands functional assessment scoring guidelines for a mitigation park proposed which was proposed as compensation for the impacts associated with the airport expansion. The mitigation park is approximately 7,000 acres in size consisting of three adjacent pieces of property.

### ***Gainesville/Alachua County Regional Airport***

Birkitt provided environmental consulting services for the completion of the Gainesville/Alachua County Regional Airport Environmental Assessment. This included the investigation of wetlands, threatened and endangered species, and biotic communities at the airport. The project included a 1,000 ft. extension of runway 6/24 as well as the runway safety area. Technical and legal feasibility evaluations were conducted to transfer the Airport's Conservation Easement to areas within the Gum Root Swamp. Assessment included wetlands delineation, UMAM analysis, mitigation development, and agency negotiations with St. John's River Water Management District.

### ***St. Augustine/St. John's County Airport***

Birkitt prepared the updated Environmental Assessment (EA) for the proposed Taxiway B Extension. The purpose of the project is to provide proper separation between the runway and taxiway to meet FAA safety standards. The project will impact approximately eight (8) acres of estuarine salt marsh. Restoration of an onsite spoil island is proposed as mitigation. Birkitt developed the mitigation plan and is assisting in agency coordination and permitting negotiations with the FAA, St. Johns River Water Management District, the U.S. Army Corps of Engineers, and other commenting agencies. Birkitt is also consulting on repair and maintenance of the Runway Safety Area (RSA) and installation of approach lighting for Runway 13/31 at the St. Augustine Airport. Birkitt has also provided assistance in the environmental permitting and variance coordination for the St. Augustine Airport Authority. Previously Birkitt obtained permits for the construction of a seaplane docking facility. All authorizations were received and construction completed for the first seaplane docking facility at an airport in the Continental United States.

### ***Tampa International Airport***

Birkitt provided permitting and site civil engineering services associated with stormwater design for an Apron Runup Pad for Tampa International Airport (TIA). Services for the project included management of engineering services on the storm water design for the project, and preparation of the permit application for the SWFWMD Environmental Resource Permit. Birkitt served as a member of the consulting team responsible for updating the TIA Master Plan and provided the Environmental Factors Report to assess impacts to key environmental factors resulting from implementation of the revised Airport Land Use Plan. Birkitt provided gopher tortoise permitting and relocation services for the expansion of Taxiway V & W, as well as the construction of the TIA Warehouse Project. Birkitt also negotiated with Hillsborough County for the recipient site and conducted land management activities on the recipient site.

### ***Tallahassee Regional Airport Environmental Assessment***

Birkitt is providing assistance in preparing an Environmental Assessment for the Tallahassee Regional Airport (TRA). Birkitt is conducting Threatened and Endangered species surveys (specifically Gopher Tortoise, Indigo Snake, and Zig Zag Silkgrass) at the TRA. Birkitt is also coordinating with the USFWS and FWC to address concerns the resource agencies may have pertaining to listed species. Birkitt will utilize the survey results and agency guidance to assist with the completion of an Environmental Assessment (EA) required for the airport to extend one of the two runways located on site.