

PROJECT MANAGEMENT *Services*



Birkitt Environmental Services, Inc. (Birkitt) has provided project management services for a variety of multi-disciplinary projects throughout Florida. Birkitt staff are experienced in the oversight and management of contracts for environmental restoration projects, mitigation banks, and land development. We have also served as the lead permitting manager for large scale projects such as natural gas and effluent pipelines, airport expansion, and airport improvement projects, commercial and residential developments, and mitigation banks.

Birkitt is highly experienced in working with and managing the numerous technical disciplines for a successful project. Our comprehensive technical expertise coupled with specialization in innovative and strategic approaches to meet clients needs as well as a strong understanding of regulatory processes, makes Birkitt uniquely capable of managing projects of all sizes for a variety of clients. Birkitt staff work hard to ensure superior performance while meeting time and budget constraints.

Birkitt has served as Project Manager or Permitting Manager for multi-disciplinary projects involving complex issues, working closely with project engineers and client teams. Clients have included natural gas pipeline companies, airports, developers, mitigation banks, government agencies, and others.

Key Project Management Services Include:

Project and Contract Management

- Client Coordination and Team Management
- Project Manager or Permitting Lead for Multi-Disciplinary projects which include:
 - Due Diligence
 - Permitting and NEPA Compliance
 - Mitigation Bank Development
 - Geotechnical Services
 - Land and Marine Surveying
 - Civil and Stormwater Engineering
 - Archeological Services
 - Construction Oversight
 - Project Siting and Design
 - Mitigation Design
 - Environmental Assessments
 - Construction Implementation Plans
 - Monitoring & Management
 - Project Implementation Training
 - Public Involvement and Landowner

Permitting Management

- Project team management to prepare and negotiate required permits and certifications on local, state, and federal levels
- Preparation and management of project schedules to all permits and team activities
- Agency coordination to facilitate permitting and resolve technical, legal, or administrative issues expeditiously and cost-effectively
- Organize and lead agency meetings on complex issues such as Sovereign Submerged Lands, Variances, Board of Trustees hearings, Water Management and Board of County Commissioner's meetings, and others
- Litigation support and expert witness testimony where needed
- Permit Compliance- pre-construction, construction, and post-construction phases

people and nature

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Project Management

Experience

Alligator Lake Habitat Restoration - Project Management –\$225,135 (total project \$1.8 million)

Birkitt was responsible as the prime consultant for the project design, permitting, and construction oversight of a 34 acre habitat restoration project and park for Pinellas County partially funded through the SWFWMD SWIM program. The goal of the project was to increase the habitat value and water quality within Tampa Bay. Oversight of a team of civil and geotechnical engineers, archeologists, surveyors and scientists was required for the successful completion of this project. The restoration project involved the creation of approximately 2.81 acres of herbaceous and forested wetlands, and enhancement of 4.3 acres of existing wetlands on site; re-establishing native vegetation, and water quality and flood control improvements.

Marketplace at Citrus Park – Project Management and Permitting - ongoing

Birkitt is the project lead on all environmental permits for the Marketplace at Citrus Park, a commercial development in Tampa, FL including the construction of a Costco and Gas Station, and multiple outparcels. Birkitt has managed the permitting process and timing for receipt of permits from SWFWMD, EPC, and USACE. Birkitt has also managed the development of onsite and offsite mitigation that included the identification and purchase of additional lands. Permitting is nearing completion and Birkitt is now managing the bid process for construction of the mitigation sites and will oversee all mitigation site contractors during construction. Birkitt will be responsible for permit compliance of all environmental permits through construction and monitoring.

Osprey Unit Mitigation Bank– on-going

Birkitt is providing environmental and mitigation bank consulting services for the proposed Osprey Unit Mitigation Bank (OUMB) located in Polk County, FL. The Bank site contains a mosaic of upland, forested wetland, and herbaceous wetland habitats, a natural lake and borrow lakes. Birkitt has developed a plan to both preserve and enhance approximately 225 acres of existing freshwater forested wetlands and 80 acres of existing freshwater herbaceous wetlands. In addition, 163 acres of borrow lakes will be enhanced as well as 42.6 herbaceous wetlands created, and 60.9 acres of upland pasture planted as native upland buffers. A revised prospectus has been prepared and submitted to the U.S. Army Corps of Engineers and permitting with the Southwest Florida Water Management District is underway.

QM8 ARSR Wetlands Restoration Project – Project Management - \$760,254

Birkitt provided project and contract management services, restoration planning, construction management, and construction oversight for the restoration of over 80 acres of freshwater wetlands located on a Federal Aviation Administration (FAA) unmanned radar site near Miami, Florida. The project included removal of invasive exotics and non-native species through mechanical excavation, re-grading, and herbicide treatment. Birkitt professionals conducted site inspections throughout the project to ensure all grading and restoration activities were conducted as required and that invasive exotics and non-native species were removed and treated in accordance with the site restoration plan. Restoration activities have been completed and ecological monitoring and continued maintenance of the restored site are being provided with Birkitt's oversight and management.

Lake Okeechobee Isolated Wetlands Restoration Program– Project Management - \$875,000

Birkitt served as the prime contractor for the SFWMD's Lake Okeechobee Isolated Wetlands Restoration Program which included hydrologic and water quality restoration planning, and construction oversight of construction of a 400 acre and a 68 acre wetlands restoration project. Project responsibilities included contract management, surveying, ecological and soils assessments, site civil and stormwater design, preparation of bid documents, contractor selection, construction management and as-built certifications. Development of management plans in conjunction with the landowners was required to ensure continued ranch operations and protection of restored areas.

Northeast Florida Regional Airport (St. Augustine) Runway Safety Improvement Projects – Permitting Management - \$454,147

Birkitt was responsible for permitting three safety improvement projects at NFRA (St. Augustine - St. Johns County) as well as obtaining water quality variances and Sovereign Submerged Lands easements. As part of the effort, Birkitt coordinated with three different engineering firms for the preparation of the permits, design of the project, and creation of the construction plans. These safety improvement projects involved repairing the Runway Safety Area, installation of an Approach Lighting System, and replacement of Taxiway C which included the relocation of a tidal canal. Projects resulted in impacts to 15.9 acres of wetlands and estuarine open water. Birkitt also provided preliminary restoration design and permitted the restoration of an 18-acre spoil island as mitigation for project impacts. The projects involved extensive agency coordination and permitting negotiations with the SJRWMD, FDEP, USACE, FAA, NMFS, and the GTMNERR. Birkitt was also responsible for providing construction and mitigation monitoring oversight.