



FLORIDA LAND DEVELOPMENT SERVICES

From concept through construction, SWCA's multidisciplinary teams have diverse expertise to help you evaluate and acquire sites, expedite permits and approvals, develop concepts, assess and protect resources, and ensure your project is built on-time and within budget. SWCA provides environmental services to developers and builders in Florida during all aspects of property development, whether rural or urban, new development or repurposed development.

SWCA has a proven track record for establishing and maintaining trusting relationships with regulatory agencies, between developers and communities and among all parties and stakeholders involved with your project. From small-scale local projects to cutting-edge, nationally recognized developments, we listen to clients, customize our integrated services, and deliver successful, marketable land development projects that shape the future. We identify and resolve critical issues early in project planning, allowing our project managers to honor the designated schedule and budget. We also develop successful projects through a high-level of commercial awareness that address our client's project needs.

ENVIRONMENTAL SERVICES

INITIAL DUE DILIGENCE

- SWCA staff understand cost efficient initial due diligence is key in identifying feasible project sites and in refining or eliminating unfeasible or challenging sites.
- Provide desktop review for protected species, cultural resources, wetlands, and waterbodies.
- Provide permitting matrices, additional surveys or assessments, and anticipated timelines for obtaining permits.

CULTURAL RESOURCES

- Florida-based Archaeologists and Historic Preservation Specialists experienced with National Historic Preservation Act and Section 106 and 110 requirements along with local, county, and state regulations: with experience working with the Florida Division of Historical Resources (DHR).
- All levels of archaeological investigations including due diligence, reconnaissance, Phase I cultural resource assessment surveys (CRAS), Phase II site evaluations, Phase III data recoveries/mitigations, above ground historic resources, and maritime archaeology/remote sensing.
- Historic preservation surveys and planning
- Burial sites and relocations
- Cemetery surveys

BIOLOGICAL RESOURCES

- Florida-based biologists experienced in protected species surveys including, but not limited to, the Southeastern American Kestrel, Florida grasshopper sparrow, burrowing owl, Florida scrub-jay, crested caracara, sand skink, eastern indigo snake, red-cockaded woodpecker, shorebirds, marine mammal observers, and gopher tortoise.
- Florida Fish and Wildlife Conservation Commission (FWC) gopher tortoise agents authorized for surveying, scoping, bucket trapping, and excavator relocation.
- Staff experienced in gaining any necessary concurrence or permitting from the U.S. Fish and Wildlife Service (USFWS) and the FWC.

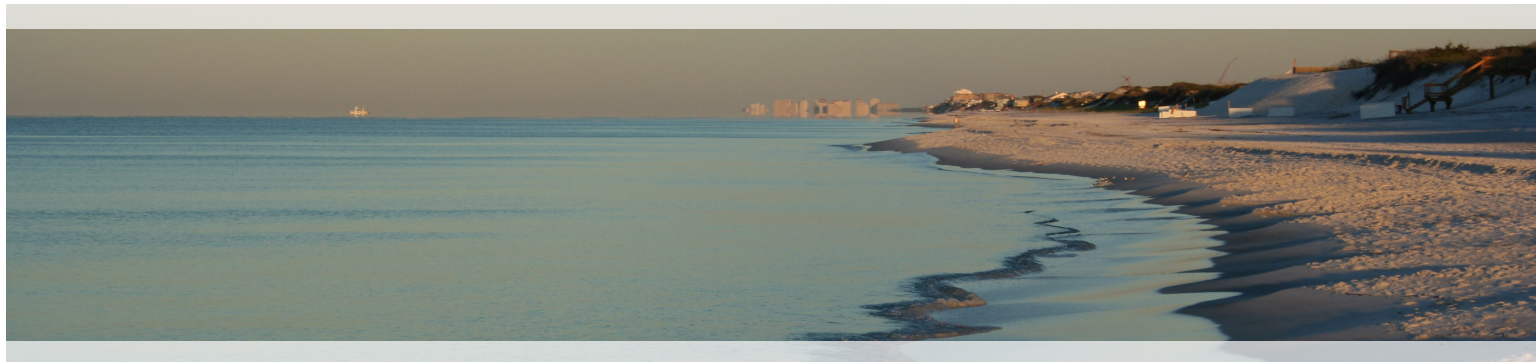


WETLAND AND WATER RESOURCES

- Florida-based wetland delineators with a demonstrated understanding of the USACE Wetland Delineation Manual, applicable Regional Supplements, FDEP Wetland Delineation Manual, and FDEP Uniform Mitigation Assessment Method.
- Experience in water resources areas that require additional permitting or considerations such as Outstanding Florida Waters.
- Water quality monitoring and watershed management planning.

ENTITLEMENTS & PERMITTING

- Experience with federal and state agencies including the three U.S. Fish & Wildlife Service (USFWS) offices (Panama City, Jacksonville, and Vero Beach), U.S. Army Corps of Engineers (USACE) Jacksonville District and regional offices, Florida Department of Environmental Protection (FDEP), Florida Fish and Wildlife Conservation Commission (FWC), Florida Division of Historical Resources, and all five Water Management Districts.
- Experience supporting local and municipal land use and zoning permits or public hearing expert witness support.



• Permits include, but are not limited to:

- Clean Water Act – Sections 401 & 404
- Environmental Resource Permitting
- Federal Endangered Species Act (ESA)
- Incidental take permit applications
- FWC permitting
- USACE and FDEP Mitigation bank permitting
- Construction stormwater discharge permit compliance (Stormwater Pollution Prevention Plan preparation, Notice of Intent and Notice of Termination)
- Other applicable state or local environmental permitting

CONSTRUCTION

Florida-based, experienced construction environmental inspection and compliance monitors, including Florida stormwater, erosion, and sedimentation control inspectors; National Oceanic and Atmospheric Administration qualified protected species observers; terrestrial biological monitors; authorized gopher tortoise agents; and archeological monitors.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

- Inform landowners about potentially hazardous waste regulatory liabilities by assessing properties for the potential presence of recognized environmental conditions.
- Provide Phase I support across industries, including land development, and in accordance with current ASTM standards.

GEOSPATIAL AND DATA ACQUISITION

SWCA's GIS team includes an integrated group of geospatial, resource, and technical professionals that provide comprehensive client facing technological solutions to environmental consulting projects. With spatial modeling tools that take advantage of advanced cloud computing, machine learning, and spatial analysis, SWCA delivers more than just static maps and spreadsheets to our clients.

- Land Use Planning
- Geo-statistical Analysis
- Land Cover and Vegetation Mapping
- Wildlife Habitat, Cultural Resources, and Wetland Mapping

- Visual Simulations
- Web / Mobile GIS Design and Custom Solution Development

The Data Acquisition team approaches projects from the data up, applying the right aerial and terrestrial sensors and satellites to collect and process data in near real time. Shared directly to clients through our SWC.ai platform, SWCA provides an interactive environment for high resolution drone and satellite data that can be used to track project progress, visualize LiDAR data, and interpret the results of complex machine learning algorithms.

- FAA Certified Part 107 pilots
- On demand satellite imagery tasking and delivery
- High resolution sUAV mapping and image processing
- Machine learning analytics
- Multispectral and LiDAR terrestrial and aerial sensors
- Customized client data delivery through SWCA.ai



MEET YOUR LOCAL TEAM



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