

## GIS EXPERIENCE

- **Economic Incentive Areas:** This interactive map combines parcel level search capability and has all of the most relative economic incentive programs statewide that allows the user to identify properties for “Stacking” 2 or more incentives. Programs include Difficult Development Areas (DDAs) and Qualified Census Tracts (QCTs) Areas, Brownfields and Community Redevelopment Areas\* (CRAs).  
  
\*Our CRA database is the first ever comprehensive state-wide CRA GIS data layer on a parcel-level. 316 boundary extents were compiled from numerous sources, including but not limited to: existing GIS layers, hard copy maps, photos, and legal descriptions.
- **Geographically Enhanced State Regulatory Data:** Allows the user to actually visualize how different business entities are geographically related to minimize or mitigate circumstances where proximity is factor in permitting or approvals. Department of Business and Professional Regulation data files are converted into a database format where the information is geographically located and enhanced to include meaningful descriptions rather than simple codes.
- **Forensic Platting Analysis:** Utilize expertise to convert plat documents to geographically accurate map layers and enable overlays of original plats with subsequent re-plats. Examples include easement or right-of-way disputes and determining shoreline extents dating back to the 1840’s.
- **Retail Location Optimization:** Create secured interactive web mapping tool that combines Census data for targeting specific population demographics, Average Daily Traffic volumes for maximum exposure, Allowable Zoning Districts, parcels with Commercial Use designation, locations of existing similar retail entities, and other limiting factors.
- **Affordable Housing Location Optimization:** Designed to maximize scoring for the Florida Housing Finance Corporation award program. Engineered a proprietary “in-house” data model that searches through over a half million property parcels to optimally locate the shortest distances to Bus and Rapid Transit Stops, Medical Facilities, Schools, Pharmacies, Grocery Stores, within Qualified Census Tracts and an optimal Zoning density and acreage range, for vacant land suitable for multi-family development; an exercise that would require a team working for months to acquire is reduced to a few hours.
- **Potential Paths for New Turnpike Routes:** Developed interactive web maps for utilizing "Constraint Avoidance" to predict the most likely routes for the Multi-Use Corridors of Regional Economic Significance (M-CORES) program. This data model incorporates seamless multi-county parcel level ownership and land use, Wetlands, Flood Zones, Easements, Conservation Lands, and Environmentally Sensitive Areas (ESA's) GIS layers.
- **Cost Effective Title Search Support:** Engineered a partially automated workflow/tool for converting legal descriptions from document to map in a fraction of time required using conventional methods.
- **Complex Chain of Title Analysis:** Utilize interactive web mapping tool to compile hundreds of legal descriptions chronologically as map layers with links to their source documents.
- **Ad Valorem Tax Comparable Database:** Compiles and analyzes assessment data for Ad Valorem Group. Methods include comparison of similar property assessments, Improved Value, Just Value, Primary Use,

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and identifying highest and best use limitations. This information can be integrated with other data types to identify compelling factors or conditions that are not apparent otherwise.

- **In-House Statewide Parcel Database:** Engineered an automated data integration tool that transforms and combines over 24.5 million records comprised of property parcels, tax roll data, sales data, and land use descriptions. The resulting dataset merges property appraiser data from 67 Florida Counties into a single searchable parcel layer for statewide statistical analysis. This dataset is updated bi-annually and can be customized to include specific attributes and/or statistical analysis.
- **Ability to Integrate and Combine Any Type of Data:** Data integration, i.e., combining a local city Future Land Use and Zoning map with legal descriptions from Official Records, Storm Surge extents from FL Emergency Management, historical aerials from the FLDOT, potable water system CAD drawings from a local utility owner, and Flood Zones from Federal Emergency Management. These are just a few examples.
- **Interactive Web Mapping Solutions:** Create and deploy custom web mapping applications that are publicly available or confidential client specific applications including secured map based document management systems. Publicly available examples include [Executive Order Permit Extension Tracker](#) and [Qualified Opportunity Zone Locator](#).
- **COVID-19 Infection and Hospitalizations Mapping:** Produced exclusive high resolution state-wide statistical models using COVID-19 data at County and Zip Code levels for [hospitalizations](#), [week-over-week infection rates](#), and [percent of population](#).