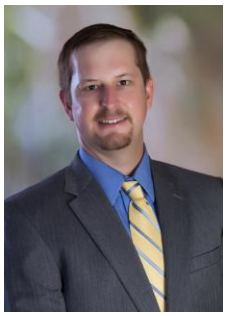
WYATT STUTTS, P.G.

Hydrogeologist



Education/Training

M.S. Geology
University of South Florida
(2015)

B.S. Geological Sciences
Cum Laude
University of Florida
(2009)

MODFLOW Numerical Modeling Training

Ground Penetrating Radar and Electrical Resistivity Training

Licensing & Registration

Florida Professional Geologist
P.G. #2909

Professional Affiliations

Geological Society of America (GSA)

Southeastern Geological Society (SEGS)

Wyatt joined Johnson Engineering in 2015 and is a hydrogeologist in the company's water resources group. He is responsible for performing hydrogeologic investigations, aquifer performance testing (APT), groundwater sampling and testing, monitoring well construction and geophysical logging programs, preparing lithologic descriptions and stratigraphic profiles, analyzing and interpreting geophysical and APT data, and regulatory permitting. He is familiar with the hydrogeology of Southwest Florida and regulatory requirements. Wyatt joined Johnson Engineering after completing a Master's degree in Geology at the University of South Florida with a focus on hydrogeology and groundwater geochemisty, and with 6 years of previous experience as a geologist and project manager performing geotechnical investigations related to ground settlement throughout Florida.

Relevant Experience

- City of Fort Myers Eastwood Wellfield Expansion - Geologist for constructions and testing of a public water supply (PWS) well at the Eastwood wellfield in Fort Myers, Florida. Project included design, testing, and construction of an Upper Floridan PWS well completed to 700 feet. Testing included a full suite of geophysical logging (caliper, gamma, resistivity, fluid conductivity, flow, sonic porosity, temperature, video, spontaneous potential), groundwater sampling, water quality testing, as well as step-test and constant rate APT. Analyses included determination of aquifer parameters and water quality changes with depth, interpretation of geophysical and APT data, and lithologic descriptions. Other responsibilities included coordinating with clients and contractors regarding construction activities and testing, as well as preparing reports and data presentation.
- Lee County Utilities Green Meadows Wellfield Expansion – Geologist for construction and testing of a Class I Industrial deep injection well (DIW), associated monitor well system, and PWS wells in Lee County, Florida. Project included design, testing, and construction of a lower Floridan aquifer DIW well completed to a depth of 3,300 feet, a dual-zone monitor well system completed to 1,800 feet and several upper Floridan PWS wells completed to depths up to 1,200 feet. Testing included multiple full suites of geophysical logging, groundwater sampling for water quality analysis, aquifer performance testing, specific capacity testing, packer testing, coring, borehole alignment survey, casing pressure testing, injectivity testing, and radioactive tracer survey. Analyses included determination of aquifer parameters and water quality changes with depth, interpretation of geophysical and APT data, lithologic descriptions, and stratigraphic interpretations. Modeled the effects of withdrawal from the upper Florida aquifer to determine preliminary pumping rates for PWS wells using analytical modeling software. Also responsible for weekly reporting to FDEP regarding construction activities, testing results, and data analysis.
- Arena Plaza LLC Property – Geologist and project manager for a ground settlement related geotechnical investigation at a commercial strip-mall complex in Hillsborough County, Florida. Reviewed historical aerial photographs and satellite imagery to determine site history and locate potential sources of settlement and deleterious soil conditions. Performed ground penetrating radar and electrical resistivity testing to locate anomalous subsurface conditions. Determined locations for test borings based on damage to the structure, geophysical data, and aerial and satellite photographs. Performed standard penetration test (SPT) borings and cone penetrometer (CPT) soundings to evaluate subsurface soil conditions. Classified geologic materials using the Unified Soil Classification System (USCS) and prepared stratigraphic boring logs. Performed laboratory testing including grain size distribution analysis, Atterberg limits testing, clay activity testing, and loss on ignition testing. Prepared project schedule and budget and coordinated with the client, property management, and legal representation. Prepared a final report of findings with conclusions and recommendations.
- Relationships of Spring Geochemistry to Flow in Selected Springs of the Suwannee River Basin, Florida – Thesis project prepared for the University of South Florida. Compared spring discharge rates with geochemical parameters such as specific conductance and total dissolved solids and determined whether statistically significant relationships exist using Pearson product-moment correlations. Used these relationships to draw conclusions about the flow system dominating spring discharge (diffuse vs. conduit flow) with support from previous dye tracer and other studies in the area.