

## JESS SCHROEDER Phase I ESA



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### Years Experience

1 year

### Education/Training

B.S. Marine Science  
(2016)  
M.S. Environmental Science  
(pending 2020),  
Florida Gulf Coast University  
  
ASTM Environmental Site  
Assessments for Commercial  
Real Estate Training (2019)  
  
DEP SOPs for Water Sampling  
& Meter Testing (2019)  
  
DEP SOPs for Groundwater  
(2019)  
  
Qualified Stormwater  
Management Inspector (2019)

Jess joined Johnson Engineering in 2019 and is an Environmental Scientist in the company's water resources group. She is responsible for assisting in the applications for water use permits, and dewatering plans and permits. She is also responsible for compiling the National Pollutant Discharge Elimination System (NPDES) annual reports, Spill Prevention, Control, and Countermeasure (SPCC) updates, and writing reports and performing on site investigations of environmental site assessments and groundwater sampling according to the FDEP Standard Operating Procedures (SOPs). Jess has completed the training for the Environmental Site Assessments for Commercial Real Estate through ASTM and Florida Stormwater Management Inspector Training through FDEP. She is responsible for assisting in current projects with the water resources team, focusing on groundwater. Previously, Jess worked for Florida Gulf Coast University as a laboratory manager while finishing her master's degree in Environmental Science. She has taken many courses that gave her the knowledge to perform water quality monitoring, groundwater sampling, and sediment sampling that has helped in her position at Johnson Engineering, Inc.

### Relevant Experience

- ↪ **Soffron Holdings** – Assisted with Phase I Environmental Site Assessment, site reconnaissance and report preparation on undeveloped lots within Hendry County. Phase I ESA was performed for the business adjacent to project site to expand.
- ↪ **Merit Petroleum** – Assisted with Phase I Environmental Site Assessment, site reconnaissance and report preparation on previously developed lot within Hendry County. Phase I ESA was performed for purchaser's bank lender.
- ↪ **Shell Point** – Assisted with Phase I Environmental Site Assessment, site reconnaissance and report preparation on developed commercial property in Lee County. Phase I ESA was performed for insurance purposes.
- ↪ **Monitoring Well Sampling** – Assisted with groundwater sampling from four (4) monitoring wells in Glades County. The wells were monitoring the direction of the groundwater flow and the water samples taken for water quality purposes.
- ↪ **Water Quality Sampling** – Assisted with water quality sampling on Sanibel Island NPDES project. Samples were taken at 5 different locations and datalogging devices were downloaded.
- ↪ **Sediment Sampling** – Assisted in sediment coring in the ponds at a community in Lee County.
- ↪ **Monitoring Well Installation** – Assisted in the installation, surrounding soil sampling, and installation of pressure transducers in five (5) groundwater monitoring wells within an abandoned Cattle Dip Vat. Sediment sampling was performed around the CDV to identify any contamination in the area.
- ↪ **Permitting** – Water Use Permits for Irrigation and Dewatering permits for proposed construction for future developments around Lee County.

### Previous Experience

- ↪ **Special Activity Permit** – Assisted in the submittal of an SAP with FGCU's Vester Field Station to use otter trawls for educational purposes.
- ↪ **Data Analysis** – performed the data analysis for the ongoing CiguaHAB research, using Primer 7.0 and SPSS.
- ↪ **Research Deliverables** – Wrote the deliverables for an ongoing project, Rink2Reef, explaining to customers the expected results and what they can expect in terms of monitoring and data collection.
- ↪ **Project Development** – Started research projects around Lee County. For example: Oyster Monitoring, Seagrass Monitoring, Rink2Reef Stewards, Collier County Schools Program at Vester Field Station (FGCU), and Fort Myers Beach "What's in the Water?". Wrote up deliverables, instructions on the tasks, and mapped locations of research sites.