



Water Quality Research Intern

The Everglades Foundation, a non-profit organization dedicated to the restoration of the Everglades, is looking for a graduate level intern to work on water quality projects related to Everglades restoration. The Everglades Foundation is a science-driven organization and as such, our policies and priorities are driven by our sound science.

This is a six-month (Summer and Fall 2018) position located in our Palmetto Bay, Florida (Miami) office, starting in June 2018. The successful candidate will be expected to have basic knowledge of hydrology and water chemistry with advanced skills in statistics. Hypothesis testing, time series analysis, and geospatial analysis with ArcGIS is critical for this short-term position.

Responsibilities and Duties:

The primary responsibilities of the Water Quality Research Intern include:

- Performing mathematical and computational analysis to evaluate water quality data available from various sources;
- Compiling data from different sources related to water quality in the Everglades;
- Processing monitored data (e.g. concerning water, soil, plants) and analyzing yearly temporal and spatial changes in South Florida;
- Presenting results in various forms (maps, technical reports, papers, fact-sheets, etc.);
- Completing technical evaluations of restoration alternatives to assess the ecosystem response.

Eligibility and Requirements:

Recent graduate students and post-graduate associates are eligible for this internship position. The internship is open to MS or PhD degree in Civil/Environmental/Agricultural Engineering, Soil and Water Science, Earth and Natural Sciences or a closely related discipline with background in hydrology and water quality. We are especially looking for a Water Quality Research Intern that:

- has strong analytical skills to solve technical problems with result-oriented objectives.
- possesses strong background in statistical data analysis (hypothesis testing, trend analysis, multi-linear regression).
- is experienced in manipulating databases and numbers.
- has advanced knowledge of mapping and spatial analysis (raster analysis and kriging) in ArcGIS.
- is proficient in programming and statistical analysis in R, Matlab, or Python.
- has excellent writing skills and experience in communicating results to scientists and engineers in one or more forms (scientific journals, engineering reports, conference presentations). Scientific publication record will be highly valued.
- is familiar with Everglades ecosystem and ongoing restoration efforts (recommended but not essential).
- EIT is recommended but not required.

The Everglades Foundation offers a competitive stipend. We have a dedicated team of seven scientists and engineers and offer an excellent working environment. Intern will work closely with Dr. Naja and Dr. Khare. If you are interested in joining us (or have questions), send a pdf version of your cover letter and Resume/CV (software skills to be clearly included) to ykhare@evergladesfoundation.org. Application deadline is April 15, 2018. Applications will be assessed periodically until a suitable candidate has been identified. Therefore, applicants are encouraged to apply as early as possible.