

**From:** Newman, Sue  
**Subject:** Full Time Position: Ecologist with applied hydrology expertise

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### **Ecologist**

Everglades Systems Assessment Section, South Florida Water Management District - West Palm Beach, Florida  
Requisition # 1963BR

If interested, please apply online at <https://www.sfwmd.gov/careers>

### **Job Description**

The Everglades Systems Assessment Section of the South Florida Water Management District in West Palm Beach, FL seeks an ecologist to join a multi-disciplinary team assessing the effectiveness of restoration activities on Everglades ecosystem recovery. The position will play a major role in field and data analyses for several large-scale projects, including the Loxahatchee Landscape Assessment (LILA) Project, the Decpartmentalization Project (DPM), and Adaptive and Active Marsh Improvement Projects throughout the entire Everglades landscape.

This position has a large field component and the successful candidate should have field experience in ecosystem hydrology, with an emphasis on linking ecohydrology with plant, soil and faunal responses. Specifically, this position will assist in: 1) the assessment of stage changes by deploying and collecting water depth data loggers and will be responsible for the data management and analysis of water depth data; 2) flow measurement and characterization using acoustic Doppler velocity (ADV) meters, both static and handheld; 3) the assessment of groundwater and surface water interactions; 4) understanding the effect of vegetation on velocity and patterns with field measurements, field experiments, and computer modeling; and 5) integration and synthesis of data to evaluate sediment movement and distributions in the Everglades.

### **Employment Guidelines**

Typically has a Bachelor's degree (Masters preferred) in ecohydrology, hydrology, ecology, environmental science, or related subject with at least two years relevant experience. Candidates should have a basic understanding of experimental design, ADV meters, stage recorders, and fluid mechanics.

Primary responsibilities will be divided between field work (approximately 60%) and data analysis and publication (approximately 40%). Field work requires the ability to conduct physically demanding work effectively in remote areas. The assessment of hydrologic drivers requires the compilation, management, and statistical analysis of data and the production of technical reports and manuscripts. Expertise and experience using statistics is required, with proficiency in the use of PC-based spreadsheets, graphics, and statistical software (preferably R, JMP or SAS).

### **License**

Valid State of Florida Driver's License

### **Physical Requirements/ Working Environment**

Due to the District's response role and in the total scope of emergency management, this position may at times, be required to provide support before, during and after major storm events and emergency situations, such as hurricanes or other declared emergencies, depending on assigned emergency response role.

### **Salary Minimum**

\$46,987.20

### **Organization**

WR4304351 Marsh Ecology Unit