



## **Watershed Research Assistant**

### **Job Overview**

This position is with the USDA Forest Service, Pacific Southwest Research Station (PSW) Caspar Creek Experimental Watershed Research Project, Fort Bragg, CA:

<http://www.fs.fed.us/psw/topics/water/caspar/>

The intern will collect field data and survey watershed conditions in a managed coast redwood forest (Jackson Demonstration State Forest, Mendocino County, CA). Approximately 10 to 20 % of the work will be in the lab or office.

The intern will work primarily with hydrologists and geologists but may have the opportunity to work with additional scientists and staff at other research sites and PSW offices in several geographic regions of the state.

### **Reports To**

The Watershed Research Assistant will report to the Hydrologist and/or Lead Hydrologic Technician who manage the Caspar Creek Research site on June 6<sup>th</sup>, 2022 (negotiable).

### **Responsibilities and Duties**

- Collects and compiles data from a network of streamflow and precipitation gauges and hillslope instrumentation monitoring soil moisture, groundwater, tree transpiration and meteorologic conditions.
- Operates, services, and calibrates instrumentation deployed to monitor environmental conditions.
- Performs field investigations documenting watershed conditions including channel morphology, erosion, and vegetation.
- Assists with topographic surveys of roads, stream channels, and hillslope topography.
- Assists with lab work processing water samples to determine suspended sediment concentration.
- Assists with data review and report-writing.

## **Qualifications**

- Bachelor's degree in hydrology, geology, ecology, watershed management, or other environmental science.
- Field or outdoor work (or volunteer) experience is desired, but not required.
- Familiarity with data loggers and sensors used in environmental sciences is desired, but not required.
- Willingness to learn and enthusiastically contribute as a team member to the advancement of scientific study.
- Ability to hike over rugged, steep terrain during inclement (rainy) weather conditions and to carry up to 40 pounds.
- Valid CA driver's license (or ability to acquire).

## **Our Location**

Fort Bragg is located along the northern California coast about midway between San Francisco and the Oregon border. Historically a lumber and fishing town, today Fort Bragg is economically more dependent on tourism. Fort Bragg provides services for the coastal population of about 25,000 including a hospital, public schools for K-12, a community college campus, and a variety of shopping facilities. Several beautiful State parks adorn our coast. Forest Service barracks housing is available mid-way between Willits and Fort Bragg.