

10,000 YEARS INSTITUTE

watershed ecological services • www.10000yearsinstitute.org
360.385.0715 • PO Box 1081 • Forks, WA 98331

Position: Research Technician
Pay: \$13-\$15/hour depending on qualifications
Duration: Seasonal, May-November, 2019-2020
Hours: 10 hours/week
Housing: Overnight housing available

College Internship Opportunity!

This position serves as a seasonal team member at 10KYI to support research and restoration efforts on invasive plants in western Olympic Peninsula watersheds. Under supervision, this position will drive, hike, and/or boat to project sites, and work in teams to implement research efforts on non-native plants that cause harm to native forested watershed ecosystems.

The focus of this position will be assisting with research efforts for three main projects here at 10KYI:

- 1) How Scotch broom affects riparian plant communities, soil structure, moisture, and nutrient composition
- 2) Establishing a long-term monitoring program investigating how reed canarygrass affects water speed, temperature, dissolved oxygen, and sediment accumulation
- 3) Managing invasive plant populations by pulling, cutting, or treating invasive plants

Perfect opportunity for a student who wants to keep a lucrative summer job while getting valuable field research experience in a dynamic environment.

Minimum Requirements:

- High School diploma
- Interest in forest ecology
- Must be able to hike on uneven terrain and carry gear while hiking
- Must be able to read, write, and record data
- Consistent access to working, all-wheel drive vehicle

Job Duties Include, but are not limited to:

- Use GPS units to navigate forested and river floodplain areas of the western Olympic Peninsula
- Use data collection apps on a smartphone or tablet to collect spatial data about plants
- Assist in data collection for various research efforts, mainly pertaining to Scotch broom and reed canarygrass

- Document growth of native riparian species and soil structure where Scotch broom is and is not present
- Support Scotch broom research using soil moisture data loggers, collecting soil cores and samples, and evaluating Scotch-broom associated moss masses
- Set-up of long-term monitoring sites (rebar installation and site characterization) for reed canarygrass research
- Contribute to data collection effort for reed canarygrass research including using a DO meter, flow meter, HOBO tidbit software
- Assist in establishing and testing standard operating procedures for new equipment
- Cutting, pulling, and treating invasive plant populations

Desired Requirements

- At least 1 year college experience in natural resources, forestry, fisheries, aquatic ecology, or a related field
- Experience navigating using maps, aerial photos, and/or GPS, especially in the western Olympic Peninsula
- Familiar with water and/or soil quality monitoring equipment

Contact: Jill Silver, Executive Director, jsilver@10000yearsinstitute.org
360-301-4306