

Dept of Forest Ecosystems and Society
College of Forestry
Oregon State University
Corvallis, OR 97331

Juniper Biochar Research Biological Science Technician

Duties: Employee will work 40 hours a week with collaborators conducting fieldwork and laboratory analyses of plant and soil chemical properties.

Duties will include occasional overnight travel from Corvallis to Fossil, OR to establish rangeland restoration plots and conduct monitoring for vegetation growth, soil chemistry, and soil respiration. Employee will maintain and service field equipment, including a soil respiration system and weather station. Laboratory duties will include measuring soil samples for textural analysis, pH, electrical conductivity, nutrient composition, and soil moisture retention. Incumbent will performing recurring techniques on equipment and automated systems used for soil and plant evaluation, including: pH meters, scales, microwave digester, inductively coupled plasma atomic emission spectrometer (ICP-AES), Lachat QuikChem Station, and C/N combustion analyzer. Employee will collect, prepare, evaluate, and verify samples and supporting records, and keeps detailed records of experiments. Maintains inventory of chemicals, prepares solutions and reagents for use in the laboratory, and safely disposes of wastes materials.

Experience: Bachelor degree (required) or Master's Degree (preferred) with major study in an appropriate field of physical science or that included at least 24 hours in any combination of courses such as physical science, soil science, biology, geology, chemistry, engineering, or any branch of mathematics. Experience assisting with soil sampling, setting up field equipment, using computers, and using analytical chemistry instruments is desired.

Purpose: The purpose of this position is to provide support for a USDA-funded research project to assess the feasibility of using juniper biochar for rangeland restoration. This project will evaluate the potential benefits of juniper biochar for plant germination and growth, soil moisture and nutrient status, and soil carbon sequestration. This position also assists miscellaneous collaborative research projects related to soil health.

Duration: This is a 12-month position that may be renewed if funding is available.

Salary: \$35,000- \$43,000

To Apply: Please e-mail a CV or resume including relevant training and job experience, and a cover letter detailing your interest in the position and relevant qualifications.

Applications should be care of John Campbell to juniperbiochar@gmail.com.

Desired start date is August 1, 2017. Applications will be reviewed on an ongoing basis.