The Bisbing Forest Ecology & Silviculture Lab at UNR is hiring 1-2 provenance trial research technicians for the summer 2022 field season as part of the Sierra Nevada Adaptive Management Experiment (AMEX, https://www.adaptive-forest-management-experiment.com/).

The technician(s) will work with a graduate student from the Bisbing lab to establish the foundation of a long-term provenance trial (i.e., baby tree garden) by installing infrastructure and conducting baseline measurements at multiple common gardens throughout the Sierra Nevada. Duties include measuring seedling survival and physiological traits of five conifer species, programming and installing weather stations and temperature loggers, and conducting repeated measurements of planting site climatic conditions. The provenance trial is paired with landscape genomic analyses of three of the conifer species and involves sampling needles with fiberglass pole pruners from trees across a range of size classes throughout the species' current distribution. The technicians will shadow a climbing arborist and help prepare trees for climbing when sampling requires rope-access.

Other responsibilities include:
- Assist with planting and maintain accurate identification and placement in planting design.
- Download data from weather stations and air/soil temperature loggers.
- Data entry and quality control.
- Other duties as assigned.

The provenance trial technician(s) will also assist other AMEX forest research crews in collecting data to support on-going research studying the impacts of silvicultural treatments and climate change on forest ecosystem dynamics, including post-fire sampling and old-growth giant sequoia surveys. These additional duties include but are not limited to collecting pre- and post-treatment forest ecology and health data, sampling fuels transects, mapping forest composition and structure, surveying understory plant communities, and post-fire inventory surveys.

Field work will include hiking long distances with a heavy pack and potentially working during inclement weather. The technician(s) will be required to drive a 4WD vehicle and must hold a valid driver's license.

The start of the field season will depend on the applicant's availability but will range between late-March to early-May (snowpack dependent) and run through early November (weather dependent) for a total of ~26 - 34 consecutive weeks. Pay is $17/hr. and housing on-site is provided as is a field vehicle for on-site work. Non-traditional housing is necessary at most work site (camping, trailer, etc.). Crew members should expect a dynamic schedule with time spent at multiple research sites throughout the course of the season.

To apply, send a cover letter, resume, and list of three references compiled into a single PDF to: jslewis@unr.edu.
Review of applications will begin February 18th, 2022 and will continue until filled. For more information please visit: https://www.adaptive-forest-management-experiment.com/