



WARNER COLLEGE OF NATURAL RESOURCES COLORADO STATE UNIVERSITY

Colorado State University Department of Forest and Rangeland Stewardship seeks to fill a MSc position, funded through a combination of Research and Teaching Assistantships, focused on drought resilience of lodgepole pine seed sources from across the Central Rocky Mountains. The position will be supervised by Dr. Wade Tinkham.

The MSc student will work with a provenance study established in the mid-1980s at the Fraser Experimental Forest and maintained by researchers at the USDA Forest Service Rocky Mountain Research Station. Part of the project will include field work to characterize the standing trees and to collect increment cores of tree growth. This data will be used to assess growth of the difference seed sources and their resilience during recent drought events. Other opportunities will include assessing stand density effects on small tree growth within the Black Hills of South Dakota and at Fraser Experimental Forest. Work will include publication of the database in the Forest Service Research Data Archive, development of a thesis, and publication of a peer-reviewed journal article, as well as opportunities to present project findings through webinars and as part of conferences. Anticipated start date of the position is January 2022, with potential to negotiate a later start date.

Preferred Qualifications

- A Bachelor of Science degree in forestry, ecology, natural resources, or a related field.
- Experience coordinating complex projects with stakeholders and collaborators.
- Experience with forest measurements data collection and summarization.

Desired Qualifications

- Prior experience with forest growth monitoring and tree-ring analysis.
- Exposure to the R statistical software.
- Strong self-motivation, determination, and ability to work in unstructured environments.

How to apply:

- Please send the following to Dr. Wade Tinkham via email (Wade.Tinkham@colostate.edu) by end of day on Friday, October 29th, 2021 (applications will be reviewed on a rolling basis after that)
- A one-page letter clearly stating experience, qualifications and research interests
- An up-to-date resume; including GRE scores if available but not required
- A recent writing sample if available
- Contact details for three references (at least one academic reference)

About Colorado State University

Colorado State University enrolls ~33,000 undergraduate, graduate, and professional students in Fort Collins, a city of ~170,000 along the Front Range of the Rocky Mountains. Fort Collins is an active community with easy access to hiking, skiing, fishing, rafting and other outdoor sports year-round. With an average of 300 days of sunshine per year and low humidity, Fort Collins residents enjoy pleasant weather year-round. More about CSU's graduate programs in Forestry, including eligibility requirements, can be found at: <https://warnercnr.colostate.edu/frs/graduate-program/>

Other graduate resources available at: <https://warnercnr.colostate.edu/frs/graduate-student-resources/>

Wade Tinkham

Assistant Professor

sites.warnercnr.colostate.edu/wtinkham/

sites.warnercnr.colostate.edu/pfdp/