



COLORADO FOREST  
RESTORATION INSTITUTE

Colorado State University

**Title: *SBEADMR Research and Monitoring Crew Leader***

**Location:** Lake City, Colorado, and Fort Collins, Colorado

**Job Category:** Temporary, full time

**Salary:** \$2,773 to \$3,120 per month, commensurate with experience

**Last Date to Apply:** Wednesday, March 6<sup>th</sup>, 2019

**Term of employment:** April (flexible) through September, 2019

**How To Apply:** For full consideration, please submit application materials online at <https://jobs.colostate.edu/postings/64766> by midnight on Wednesday, March 6<sup>th</sup>. Required documents to apply: Statement of Interest, Resume, and contact information for three references. Please be sure to provide a list of any relevant coursework in your resume, cover letter or in a separate, optional document uploaded in the 'Other' slot and briefly describe how the courses relate to the position qualifications and duties. References will not be contacted without prior notification of candidates

CFRI will be hiring several positions through the general open pool announcement posted on the CSU jobs website. Therefore, in your cover letter, clearly state that you are interested in the **SBEADMR** Research and Monitoring Crew Leader position described here.

Contact Kevin Barrett [Kevin.J.Barrett@colostate.edu](mailto:Kevin.J.Barrett@colostate.edu) with questions.

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**Description:** The Colorado Forest Restoration Institute at Colorado State University is hiring experienced crew leaders to assist with field data collection and management in support for our Spruce Beetle Epidemic Aspen Decline Management Response (SBEADMR) monitoring field studies. Crew leaders oversee crews of 3-4 technicians to ensure safe, efficient, and high quality data collection. This is a full-time position from roughly April through September 2019, with potential for extension dependent upon funding. Pre-season work is based in Fort Collins, and crews work 10-hour field days, based out of Lake City, CO, and occasionally travel overnight for 4-day trips to camp near field sites for the majority of the summer. Benefits include competitive health insurance options, per diem when traveling, and lodging in a well provisioned bunkhouse when staying near Lake City.

**About CFRI:** The Colorado Forest Restoration Institution (CFRI) is a Congressionally-authorized program within the Department of Forest & Rangeland Stewardship at Colorado State University with the mission to develop, compile, synthesize, and apply locally-relevant science-based knowledge to achieve forest restoration and wildfire mitigation goals. The geographic focus of the Institute is the State of Colorado, the U.S. Southwest, and the U.S. Intermountain West. Visit the CFRI website for more info about our mission and work.

[www.cfri.colostate.edu](http://www.cfri.colostate.edu)

## **Required Qualifications:**

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- B.S. in Ecology, Forestry, Natural Resource Management, or a related field of study and demonstration of 2 years of related field experience, or M.S. degree in a related field of study and demonstration of 1 year of related field experience.
- Coursework and/or experience measuring trees and forest characteristics, fuels, tree regeneration, wildlife surveys, and working outdoors.
- Must have a valid driver's license or the ability to obtain a driver's license by the employment start date.

## **Preferred Qualifications:**

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- One to two years of leadership experience with demonstrated ability to plan for logistics of field work and train, supervise, schedule, and safely oversee crew members in field data collection.
- Two years of experience implementing diverse ecological, forestry, and fuels field sampling methods, and knowledge of sampling equipment, procedures and QA/QC protocols. Familiarity with sampling methods and procedures implemented on CFRI research and monitoring projects is desirable.
- Experience safely conducting fieldwork in remote locations, preferably in Colorado or dry western forests, including navigating across arduous terrain with topographic maps, compass, and GPS technology, and ability to work in adverse conditions with frequent travel and unusual schedules. First-aid and CPR certification, wilderness first aid, or similar advanced certification desired.
- Experience conducting forest regeneration surveys.
- Basic proficiency using spatial databases and remote sensing technology, particularly with ArcGIS software.
- Experience with data entry and data QA/QC protocols to support ecological and forestry research. Knowledge or ability to learn spreadsheets, databases, and database management techniques desired.
- High-quality oral and written communication skills with keen attention to detail.
- Ability to implement inclusion practices for effective communication across cultural boundaries and work harmoniously with diverse groups of students, faculty, and staff, and stakeholders outside the university setting.

## Essential Duties

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|----------------------------|---|
| <b>Job Duty Category</b>   | <b>Logistical Planning</b>  |
| <b>Duty/Responsibility</b> | Develop daily and weekly data collection plans by studying project maps and documents and communicating with project managers to safely and efficiently meet project goals.   |
| <b>Percentage Of Time</b>  | 12.5  |
| <b>Job Duty Category</b>   | <b>Field Data Collection</b>  |
| <b>Duty/Responsibility</b> | Supervise hourly technicians and conduct field data collection through proficient knowledge and application of field safety principles, team skills, orienteering skills, sampling tools, monitoring protocols, and quality assurance techniques to ensure monitoring data is collected safely while maintaining a high standard for quality, productivity, and morale. Locate long term monitoring plots by safely navigating over arduous terrain using maps, compass, GPS, and photographs, often in adverse weather conditions. Collect tree, fuels, forest regeneration, and wildlife data in southern Rocky Mountain spruce forests using standard protocols. Sampling tools include loggers tapes, prisms, clinometers, hypsometers, densitometers, digital cameras, sampling frames, photoload templates, calipers, data loggers, and handheld computers. Occasionally communicate with members of partnering agencies and the public to exchange knowledge on topics relating to forest restoration practices, outcomes, and monitoring. |
| <b>Percentage Of Time</b>  | 70  |
| <b>Job Duty Category</b>   | <b>Laboratory Work</b>  |
| <b>Duty/Responsibility</b> | Supervise hourly technicians, manage daily data processing tasks, and maintain and organize field gear with effective communication and organization skills to ensure efficiency and data quality.  |
| <b>Percentage Of Time</b>  | 5   |
| <b>Job Duty Category</b>   | <b>Data Management</b>  |
| <b>Duty/Responsibility</b> | Support quality assurance, organization, and storage of field data in field and lab settings by using digital data collection devices, Microsoft Excel, Microsoft Powerpoint, Microsoft Word, and effectively communicating with project managers.  |
| <b>Percentage Of Time</b>  | 12.5  |

**Diversity Statement:** Reflecting departmental and institutional values, candidates are expected to have the ability to advance the Department's commitment to diversity and inclusion.

**EEO Statement:** Colorado State University is committed to providing an environment that is free from discrimination and harassment based on race, age, creed, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, or pregnancy and will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. Colorado State University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Colorado State laws, regulations, and executive orders regarding non-discrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services.

**Background Check Policy Statement:** Colorado State University (CSU) strives to provide a safe study, work, and living environment for its faculty, staff, volunteers and students. To support this environment and comply with applicable laws and regulations, CSU conducts background checks. The type of background check conducted varies by position and can include, but is not limited to, criminal (felony and misdemeanor) history, sex offender registry, motor vehicle history, financial history, and/or education verification. Background checks will be conducted when required by law or contract and when, in the discretion of the university, it is reasonable and prudent to do so. Conditions of Employment Pre-employment Criminal Background Check (required for new hires).