

POSITION ANNOUNCEMENT

File Reference: 2023-3

Position Title: Forest Monitoring Measurement Specialist

Location: Fort Collins, Colorado

Salary: \$65,000 - \$70,000, commensurate with experience

Employment Status: This full-time, regular appointment will be a Colorado State University Administrative Professional employee.

Closing Date: Applications will be accepted until the position is filled; however, applicants should submit all application materials by 11:59pm on March 27, 2023 for full consideration.

Position Summary:

Under the supervision of the Forest Monitoring Program Manager (FMPM), as well as CSFS personnel from Science and Data and Forest Planning and Implementation (FP&I) this monitoring measurement specialist will lead field operations of the monitoring program.

This work entails working with the FMPM to design and implement long-term monitoring projects associated with grant awardees within the Forest Restoration and Wildfire Risk Mitigation Grant Program (FRWRM), as well as help the FMPM expand existing monitoring projects to other programs and collaborations.

The incumbent will conduct a variety of field measurements including, but not limited to, those involving tree/sapling/seedling data, vegetation diversity, fuel loading measurements, land ownership, and soil and erosion data collection in collaboration with a wide variety of partners mostly following treatments and/or disturbances. The incumbent will be required to be knowledgeable with scientific literature and technical bulletins related to natural resources, and be effective in written and verbal communication for non-technical and technical reports, professional and public meetings, and professional presentations. Using a variety of geographical information systems (GIS) software packages, the forest vegetation simulator (FVS) and other modeling platforms, the FMSF will work closely with the FMPM to deliver updates to various groups regarding treatment outcomes, hire and train summer field measurement crews, and implement adaptive management within Colorado by gathering accurate field data to assess treatment outcomes across a variety of ownerships and treatment types.

The FMMS is expected to ensure safe working practices of themselves and their crew and be an advocate for productive team development. The FMMS will administer performance ratings, assign work, and handle administrative tasks related to their crews. This person will be responsible for supervising maintenance and upkeep of the crew vehicle and all crew supplies and equipment. The FMMS will work closely with the FMPM to stratify and develop plans to gather pre- and post-treatment data for FRWRM grant awardees, as well as assist in the development and implementation of expanding monitoring tasks undertaken by the CSFS. The FMMS is also responsible for making all private landowner contacts prior to accessing or crossing private property.

A person who fills the FMMS position will operate 4-wheel drive vehicles, UTVs, ATVs, and occasionally other modes of transportation as necessary. Road and plot navigation skills – including use of GIS software and datasets, topographical maps, aerial photos and GPS units- are a must for this position. Crews will use handheld data recorders to gather, encode, summarize, and upload collected field measurements to the monitoring program database.

The FMMS and their crews will be required to hike carrying at least 45-pound packs with all related field gear; pack weights can exceed 60 pounds. Crews work at elevations ranging from 3,500 to 14,000 feet when accessing permanent inventory plots. Crews will be expected to hike long distances to reach plot locations both on- and off-trail, and work on steep and or rough terrain. Crews will be working in sun, rain and snow, across the full range of temperatures which can change rapidly throughout the day.

Required Job Qualifications

- Bachelor's degree (or greater) in Forestry, Forest Ecology, Botany, or a Natural Resources program option will be considered.
- Three years of field experience which must include:
- Leading field crews in forestry measurements.
- Familiarity with FVS software and handheld data recorders.
- Analytical and technical skills related to various GIS software packages and GIS databases, including importing shapefiles and buffering, clipping, intersecting layers.
- Experience analyzing and summarizing scientific and economic data for reports and presentations.
- Experience in road and backcountry navigation using topographical maps, aerial photos, and GPS units.
- Must have a valid driver's license or the ability to obtain a driver's license or access to a licensed driver by the employment start date.

The successful candidate must be legally authorized to work in the United States before the employment start date; Colorado State Forest Service will not sponsor a visa for this position

To apply and see full position announcement, please visit: <https://csfs.colostate.edu/employment/>