

Natural Resource Tech (Wildland Fire)

Job ID: 00005

Pay Range: \$13-17

Physical Requirements: Strenuous

Applying for the Position

Answer the Supplementary Questions and send those and a resume to Jessica Delph at jdelph@utah.gov by May 6th.

Position Description

This is a seasonal field job with Utah National Guard Environmental Resources Management at Camp Williams. The technician will work with the Natural Resource Flora Specialist to conduct wildfire behavior models including collecting the data, processing the data, running the models and writing the report.

Minimum Qualifications

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1. Must have or be working on a degree related to natural resources, preference given to educational focus in Wildfire Ecology or Management.
2. Must be willing to work 4-10 hour work weeks in the field during the summer.
3. Must have a valid driver's license.
4. Must have experience (academic or work) identifying plants.

Example of Tasks

- Collecting and managing quantitative fuels data including vegetation point intercept, fuel load, soil moisture, weather data, topographic data, fuel loads, fuel moisture, ect
- Analyzes, summarizes and/or reviews data; reports findings, interprets results and/or makes recommendations.
- Take the collected data and input into fire behavior models such as FOFEM and BEHAVE to determine fire behavior in baseline and vegetation treatments.
- Identify data and information which suggest developing patterns of problems or complaints, from which general or specific trends and patterns can be discerned, suggesting a need for further investigation.
- Writes or drafts technical reports, articles or related material based on research, investigation or analysis.
- Other tasks as assigned.

Work Schedule

The work schedule is 4-10 hour work weeks for 4 summer months. As field worker, the vast majority of the work is out in the field, with 8 to 9 continuous hours outside through the entirety of the position. It is important that the new hire have the capabilities of fulfilling this work schedule.

Knowledge, Skills, and Abilities

- deal with people in a manner which shows sensitivity, tact, and professionalism
- communicate fluently in English
- communicate information and ideas clearly, and concisely, in writing; read and understand information presented in writing
- develop approaches for implementation of an idea, program or change in operations
- evaluate information against a set of standards
- operate applicable specialized equipment
- research methods, techniques, and/or sources of information
- principles, theories, and practices of natural sciences and plant ecology
- agency and/or organizational program(s)
- operate computer keyboard
- enter, transcribe, record, store, or maintain information in either written or electronic form.
- Good organizational skills

Other Requirements

- Must be willing and able to work in a hot, dry climate and able to hike cross-country in steep, rocky, heavily vegetated sites carrying up to 20 lbs of equipment. Additionally, Camp Williams is an active military training range with special safety concerns.
- Must maintain a good driving record; must have current government-issued (U.S. - federal or state) picture id.

Supplementary Questions

1. Do you understand that this position is temporary/seasonal?
2. How many months experience do you have in conducting plant monitoring projects?
3. How many months of field experience do you have in implementing wildfire fuel monitoring techniques?
4. Have you had experience using wildfire models and modeling software?
5. How many months experience do you have in identifying range plants native to the rocky mountains?
6. Are you able to hike in steep, heavily vegetated terrain in hot, dry conditions with equipment?
7. 6. Do you have experience with Microsoft products such as Word, Excel, etc.
8. 7. Have you previously worked on a military installation and know safety and operating procedures?

8. Please indicate how many months you have working towards a post secondary education degree in botany, natural resources, biology, range management or a related field?
9. Indicate how many months that you have in combined professional work experience and post secondary education in classes in range management or other fields related to plants?
10. 10. Do you have experience navigating with Map and using ARCGIS products such as Survey123 and Collectors?
11. 11. Can you operate and have experience creating maps in ArcPRO or similar GIS program?