

United States Department of the Interior

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Building 53, Denver Federal Center
Lakewood, CO 80225



STUDENT SCIENTIFIC ANALYST POSITION

EARTH SYSTEMS PROCESSES DIVISION

Posted: 2/12/2021

U.S. GEOLOGICAL SURVEY

1. Types of Services Required:

Student shall be expected to perform or assist with investigations of post-wildfire effects on water availability in the Upper Colorado River basin, including any of the following: filtering USGS stream gage records to isolate areas of historical wildfire, estimating remotely-sensed evapotranspiration, developing statistical or machine learning models, correlating changes in post-fire evapotranspiration with watershed attributes and discharge measurements, and utilizing cloud computing resources. Work shall be conducted remotely. Must be motivated and a self-starter. Inquire for further job requirements.

2. Required Expertise/Skills:

Student Position: Must be enrolled or accepted for enrollment as a degree-seeking graduate student. Student shall have completed four or more years of academic course work (i.e. completed a BA/BS degree) including study of physics, civil engineering, geology, soil science, forestry, or hydrology. Student shall have knowledge of hydrological principles and practices to apply standard scientific techniques in the completion of assignments involving investigations and studies. Student shall have knowledge of scientific disciplines related to analysis of remotely-sensed evapotranspiration. Student is expected to have knowledge of basic computer operations, including desktop and laptop units and cloud computing.

3. Description of Working Conditions:

Work is performed indoors in a computer-work dominated setting. Work shall be performed in teams with an experienced team leader, who will assist by providing periodic technical guidance. Core hours shall be flexible, but work meetings shall occur between the hours of 9 am to 3 pm Mountain time.

4. Compensation:

\$24.46 per hour (inquire for details)

5. Principal Duty Station:

Lakewood, Colorado; all work is anticipated to be performed remotely due to COVID-19 restrictions

6. Other Information:

Hours worked can vary depending on student's and supervisor's schedules.

Application Deadline: 2/24/2021

Start Date: March-April 2021, depending on arrangement agreed to by supervisor and employee and processing of contract by USGS.

Hours/week (approximate): up to 40 hrs/wk.

Send resume and unofficial transcript to:

Brian Ebel
U.S. Geological Survey
e-mail to bebel@usgs.gov.

Resume should consist of a one or two page resume or statement of qualifications including: full legal name; mailing address; telephone number; e-mail address; citizenship (if not a U.S. citizen, immigration/VISA status); education, including descriptions of relevant classes and GPA; work or volunteer experience related to the scientific field; laboratory work experience. Please attach most recent transcript of undergraduate and graduate work, it can be an unofficial transcript. DO NOT send your social security number in any materials.