CONTRACT GEOLOGIST
Wyoming State Geological Survey

CLOSING DATE: Open until filled
AGENCY: Wyoming State Geological Survey
LOCATION: Laramie, WY

POSITIONS AVAILABLE: 1
PAY RATE: $21.00/hr

GENERAL DESCRIPTION OF WORK: The Wyoming State Geological Survey (WSGS) has one (1) 7-month contract position available. This position is a temporary, limited-term, contract employment opportunity. Anticipated start date is July 1, 2022, dependent upon funding and potential delay due to COVID-19. This position will work with staff scientists to conduct field work, digitally map, and perform other tasks associated with producing geologic maps as well as other non-mapping field work and office work, including technical report writing. Knowledge and experience in geologic field mapping and sampling, map production in a geographic information system (GIS), and data management is essential. Successful applicants will be responsible for the generation and editing of geologic maps, reports, and datasets.

The two-part project is summarized below, with additional information on length of contract and essential skills.

- **Project A:** Surficial geologic map of the west half of the Ramshorn 1:100,000-scale quadrangle, northwest Wyoming. Skills include Quaternary geology, geomorphology, and GIS. Mapping will focus on landslides, Quaternary faults, and glacial geology. Approximately 6 months of the total contract.
- **Project B:** Bedrock compilation map of the Firehole Canyon 1:100,000-scale quadrangle, southwest Wyoming. Skills include editorial and preparatory work, map compilation, image mapping, sedimentary geology, structure, cartography, and GIS. Approximately 1 month of the total contract.

ESSENTIAL FUNCTIONS (generalized):
Work with Project Geologists to:
- Research and compile existing geologic data in preparation for field mapping.
- Review maps, photographs, published literature, site history, and other relevant data.
- Georeference and digitize previous mapping using GIS methods.
- Conduct original digital mapping using LiDAR, photogrammetry, and other methods.
- Conduct detailed geologic and geomorphic mapping in the field.
- Provide detailed descriptions of geologic units in field notes.
- Compile and manage field data in spreadsheets and a geodatabase.
- Assist in final map production and report writing.

KNOWLEDGE AND SKILLS:
- Knowledge of current principles of geology, geomorphology, petrology, stratigraphy, and structural geology.
- Expertise in geologic mapping and geographic information systems, specifically ArcGIS.
- Familiarity with Wyoming geology.
- Competence in scientific and technical writing.
- Ability to conduct field work in remote and rugged locations, hiking up to 10 miles a day with a heavy backpack, for several consecutive days and comfortable working around horses.

NECESSARY SPECIAL REQUIREMENTS: The individual hired for this position must be available to work in Laramie, Wyoming, throughout the entirety of the contract, and, as necessary, be available for extended field travel for up to two weeks at a time.

PREFERENCES: Preference will be given to those applicants with a B.S. in Geology and 1–5 years of progressive work experience in Geology, with expertise in field geologic mapping, geomorphology, and GIS.
Please email a cover letter, completed questionnaire, and resume to tammy.mack@wyo.gov with the subject line “SM FY22 Application”

APPLICATIONS: The State of Wyoming is an Equal Opportunity Employer and actively supports the ADA and reasonably accommodates qualified applicants with disabilities. No notice of eligibility will be sent to applicants who meet the minimum qualifications.

DATE RELEASED: 06/10/2022