



# Yurok Tribe

## Job Description

<b>JOB TITLE:</b>	Restoration Geologist I		
<b>JOB GRADE:</b>	9/10	<b>REPORTS TO:</b>	Emergency Services Branch Manager
<b>STATUS:</b>	Non-Exempt	<b>LOCATION:</b>	Arcata/Klamath/Yreka/Remote
<b>DEPARTMENT:</b>	Fisheries	<b>DIVISION:</b>	Natural Resources
<b>ALL HIRING IS SUBJECT TO THE YUROK TRIBE'S HIRING PREFERENCE</b>			
<b>SALARY RANGE:</b>	\$27.23 - \$38.81		

### **POSITION SUMMARY:**

The Restoration Geologist I (entry-level) position is under the general supervision of the Emergency Services and Technical Operations Branch Manager and may also report to the Senior Civil Engineer or other related positions on a project-dependent basis. This position will perform the collection and interpretation of geotechnical information and data; produce maps, figures, field notes/observations, and internal reports of a geologic nature; and will assist in the production of geotechnical maps, figures, and reports. Work will be conducted in both the office and the field, and relative amounts of field vs. office work will be dependent on project needs and proximity to field sites.

### **DUTIES AND RESPONSIBILITIES:**

1. Utilizes geospatial databases to perform evaluations, measurements, and calculations of project sites' topography, conditions, and materials.
2. Produces maps, drawings, and geospatial products to support restoration and emergency management project designs and implementation efforts.
3. Collects field data including water, soils, rock, and materials testing and sampling.
4. Performs field photography and general observations and measurements.
5. Conducts preliminary project site investigations to characterize conditions, identify geomorphic landforms and processes, and estimate geologic hazards risk exposure.
6. In support of the above tasks, produces and manages related field notes, photo records, maps, drawings, geospatial databases, and internal reports.
7. Performs literature reviews of published geological/geotechnical information related to current and future projects, compiles and synthesizes available published information, and procures, curates, compiles and edits related geospatial databases.
8. Assists higher-level geotechnical staff in the development and production of technical designs, reports, and model outputs.
9. Other duties as deemed necessary in order to meet the objectives of the Design and Technical Services program as determined by the Senior Civil Engineer

### **EDUCATION/EXPERIENCE:**

1. GS-9: Candidates will need to possess a Bachelor of Science Degree in Geology, Geomorphology, or Physical Sciences field including course work related to geological investigations, associated sampling, data analysis, and report production.
2. GS-10: In addition to the above criteria, candidate should possess 1-2 years of experience or combination of summer internships in geology sciences related position or associated sciences of restoration, geospatial, fisheries, natural resources, design, engineering, or two years of additional university coursework in these areas.

3. Candidates with equivalent combinations of education, training and experience will be considered.

**SUPERVISORY RESPONSIBILITIES:**

May be required to perform periodic supervision or direction of field and office technicians and construction staff.

**MINIMUM QUALIFICATIONS:**

1. General knowledge of and familiarity with the Klamath, Trinity, and Upper Sacramento Watersheds and the Klamath Mountains Geologic Province
2. General knowledge of and familiarity with the assessment and management of geologic hazards including floods, wildfires, earthquakes, mass-wasting, tsunamis, and others
3. Ability to recognize, identify and effectively describe verbally and in writing geologic, geomorphic, and hydrologic processes and landforms.
4. Ability to utilize standard weather forecasting products and models to estimate weather impacts on planned field activities and project site conditions.
5. Ability to use ESRI ArcGIS products including ArcMap/ArcGIS Pro, and ArcGIS Online to produce maps and data products and perform raster and vector spatial analysis.
6. Ability to use mobile mapping applications such as Avenza PDF maps and ESRI Field Maps to navigate in the field and collect field data and observations.
7. General familiarity with field surveying equipment and methods
8. Ability to read and interpret engineering drawings and designs.
9. Ability to read and interpret geologic maps, cross-sections, reports, and publications.
10. Basic knowledge of computer technology, including MS Office software, Adobe Creative Suite, and large-format printing equipment and methods.
11. Ability to take instruction, learn and develop skill sets.
12. Ability to work and think independently.
13. Ability to problem solve and make sound independent decisions.
14. Possess a strong work ethic, be energetic, dedicated and enjoy working outside in inclement weather as necessary.
15. Have excellent verbal and written communication skills.
16. Good physical condition and ability to walk/hike on trails or rugged terrain.
17. Ability to operate a four-wheel drive vehicle in a safe manner. Recognition that in order to serve Yurok People one must know as much as possible about Yurok history, culture and values.

**CONDITIONS OF EMPLOYMENT:**

1. All applicants are subject to the Tribe's Drug and Alcohol Policy including pre-employment screening.
2. Valid state issued driver's license and/or the ability to obtain a California or Oregon driver's license. Must be insurable on the Tribe's insurance policy.
3. Must pass a background investigation and fingerprint clearance.

**LANGUAGE SKILLS:**

Must have the ability to read, write and comprehend simple instructions, short correspondence, and memos. With ability to effectively present information in one-on-one and small group situations to customers, clients, and other employees of the organization. Knowledge of Yurok language is preferred but not required.

**REASONING ABILITY:**

Apply common sense understanding to carry out instructions furnished in written, oral and/or diagram form. With ability to deal with problems involving several concrete variables in standardized situations.

**PHYSICAL DEMANDS:**

While performing the duties of this job, the employee is frequently required to walk, stand, use hands and fingers, handle, or feel. Employee will have prolonged periods sitting at a desk and working on a computer. The employee must occasionally lift and/or move up to 50 pounds.

**VISION REQUIREMENTS:**

1. Close vision (clear vision at 20 inches or less).
2. Color vision (ability to identify and distinguish colors).
3. Depth perception (three-dimensional vision, ability to judge distances and spatial relationships).
4. Ability to adjust focus (ability to adjust the eye to bring an object into sharp focus).

I, \_\_\_\_\_, (print name), acknowledge receiving a copy of this job description and understand the requirements. I also understand that, as an employee, I am expected to perform my assigned duties, to read and abide by all Yurok Tribal laws, policies and procedures, vehicle usage, procurement, and any additional guidelines set forth by the Yurok Tribe. I understand that any violations of all established policies and procedures may lead to disciplinary measures, up to and including termination. I understand that the Yurok Tribe is committed to the philosophy that employment relationships are both personal and voluntary. Accordingly, employment at the Yurok Tribe has no specific duration, and either the employee or the Yurok Tribe can terminate the employment relationship for any reason or no reason. This “at will” relationship exists between the Tribe and all employees.

\_\_\_\_\_  
Employee Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Employee #

\_\_\_\_\_  
Supervisor Signature

\_\_\_\_\_  
Date