YUROK TRIBE-JOB DESCRIPTION
Geomorphologist

Job Title: Geomorphologist
Department: Natural Resource
Program Area: Fisheries
Job Code: TBD
Location: TBD
Reports To: Trinity River Fisheries Division - Senior Biologist
FLSA Status: Exempt

ALL HIRING IS SUBJECT TO THE YUROK TRIBE’S HIRING PREFERENCE
Salary Range: GS / 11/12/13 $29.19 to $54.08

POSITION SUMMARY:
Under general supervision of the Trinity River Fisheries Division – Senior Fisheries Biologist. This position will provide technical expertise in geomorphology, geology, physical science, and large-scale river/channel restoration design and implementation. Responsible for the development and execution of physical and geomorphic monitoring and assessments, river/channel rehabilitation design and implementation, hydraulic modeling and data analysis and interpretation. This position is fulltime permanent, based on funding availability.

DUTIES AND RESPONSIBILITIES:

1. Develop and implement physical and resource assessment and management plans for the Tribal Fisheries Program in general, and for the specific area of responsibility, as is necessary.
2. Serves as point of contact to the various federal, state and local resource agencies; including Bureau of Reclamation, Bureau of Indian Affairs, US Fish and Wildlife Service, CA Resources Agency, and other tribes.
3. Perform hydraulic and sediment transport modeling, geomorphic baseline monitoring and in-stream flow measurements.
4. Provide design recommendations for restoration projects including: bank rehabilitation, gravel augmentation, riparian re-vegetation, floodplain creation, sediment management and watershed restoration.
5. Serves as the Yurok Design Team co-lead. This includes development of design alternatives and design reports, reviewing all TRRP Design Group reports, and participation in all Design Group meetings.
6. Design, develop and implement 2D hydraulic and fish habitat modeling in support of rehabilitation site design assessments and alternatives.
7. Develop comprehensive watershed scale hydraulic analysis for large river reaches including the Trinity River and Kamath River using 2D Modeling and statistical tools to develop prioritization and alternative analysis evaluation for basin-wide management issues.
8. Serves as the TRRP Physical Workgroup representative for the Yurok Tribe. This includes participating in all Physical Workgroup meetings, as well as reviewing all reports and workgroup documents.
10. Develop discipline specific physical and geomorphic monitoring strategies, protocols and study plans.
11. Prepares statistical analysis to include computer modeling, sufficient to evaluate sediment contribution and transport, channel geometry, and responses resulting from channel modifications.
12. Review/edit reports, research and monitoring proposals, position papers, and various documents prepared by staff and program Partners.
13. Present finding and make recommendations in a clear and logical manner, often in a controversial environment.
14. Train and supervise subordinate staff.
15. Conduct field sampling and data collection, including any physical, geomorphic or survey related monitoring activities.
16. May be involved with regulatory permitting, including NEPA, CEQA and ESA compliance.
17. Assist the Fisheries Program Manager in developing Tribal positions concerning the specific area of responsibility.
18. May be assigned other duties as necessary to meet the needs of the organization.
19. The preference location of this position is Willow Creek, Weaverville, or Klamath California; although authorization may be provided for remote work assignments dependent on the applicant and the specific situation at the time of offer.

SUPERVISORY RESPONSIBILITIES:

This is a supervisory position.

DESIRABLE QUALIFICATIONS:

- Experience working with Native American Tribal resources and governments.
- Experience working with federal and state resource agencies.
- Experience working on large scale river restoration projects

MINIMUM QUALIFICATIONS:

- Demonstrated ability with sediment transport modeling, water temperature modeling, geomorphic baseline monitoring, in-stream flow analysis or watershed restoration.
- Demonstrated ability with large scale river restoration design and techniques.
- Demonstrated ability with 2D hydraulic and habitat modeling, including all applicable field collection techniques.
- Demonstrated ability with ArcGIS, including the ability to create, edit, export and manage GIS files from multiple sources.
- Demonstrated ability with experimental design and statistical procedures for sampling population parameters.
- Extensive communication skills, especially writing and public speaking.
- Interpersonal and oral communication skills to work cooperatively with individuals of diverse background.
- Knowledge of ESA, NEPA and CEQA regulatory permitting and compliance.
- Ability to compile, analyze and report data concerning physical sciences.
- Proven experience in training and supervising subordinate staff.
- Possess a valid CDL with a clean driving record.

EDUCATION/EXPERIENCE:

- Candidates should possess a Master’s degree and four years of experience or a Bachelor’s degree with eight years equivalent experience with progressively increasing responsibility in Geology, Geomorphology, Environmental Engineering or closely related field. Advanced degree as PhD. in Geomorphology is given additional consideration.

CONDITIONS OF EMPLOYMENT:

- All applicants are subject to the Tribe’s Drug and Alcohol Free Work Place Policy including pre-employment screening.
- The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job.
- Requires extensive travel to meetings, workshops and symposiums.
- When necessary, must be able to lift 25 to 50 pounds.
✓ Requires recurring physical exertion such as walking over wet, rough, uneven, or rocky terrain; at times in adverse conditions; work under highly variable environmental conditions; and other physical duties associated with the river restoration field.