

**YUROK TRIBE-JOB DESCRIPTION**  
**Survey and Mapping Technician III**

Job Title:	<b>Survey and Mapping Technician III</b>				
Job Grade:	<b>7/8/9</b>	FLSA Status:	<b>Non-Exempt</b>	Location:	<b>Arcata, CA</b>
Department:	<b>Fisheries-Design and Technical Services Program</b>		Division:	<b>Natural Resources</b>	
Reports To:	<b>Survey Manager/Senior Engineer</b>				
<b>ALL HIRING IS SUBJECT TO THE YUROK TRIBE'S HIRING PREFERENCE</b>					
Salary Range:	<b>\$23.38-\$30.51/\$28.00-\$36.60</b>				

**POSITION SUMMARY:**

Incumbent is under the direct supervision of the Survey Manager or Senior Engineer and performs routine field survey tasks including but not limited to topographic data collection, construction staking, establishment of ground control and quality assurance and quality control data collection. In addition, the incumbent will assist with bathymetric, Photogrammetric (ground and aerial based), and LiDAR surveys (ground and aerial based). This position requires 50 percent in the field and 50 percent office time. Field surveys will be conducted throughout the Klamath River and Sacramento River Basins and is physically demanding. Incumbent should be prepared to work long days as field work may take place in remote areas or on projects with time constraints. Office duties will be carried out either onsite (construction projects) or at the Arcata Field Office.

**DUTIES AND RESPONSIBILITIES:**

1. Conducts field surveys.
2. Sets up and operates various types of survey equipment.
3. Oversees project layout and construction staking.
4. Functions as crew leader and instrument man as senior survey technician onsite
5. Hikes in rugged terrain and assists in carrying supplies and equipment to work sites.
6. Helps ensure vehicles and equipment are maintained and in good working condition.
7. Works closely with teammates to gain understanding of project requirements.
8. Communicates effectively with survey team members.
9. Assists in performing noncomplex computer tasks such as data downloads, data organization, and general data processing.
10. General survey data processing and analysis including error analysis, volumetric computation, and methods reporting.
11. Assists with processing bathymetric, photogrammetric, and LiDAR datasets.
12. Assists with assembling digital elevations models.
13. Reviews and Interprets survey maps and construction drawings.
14. May be assigned other duties as required to meet the needs of the organization.

**SUPERVISORY RESPONSIBILITIES:**

Supervises Technician I and Technician II personnel when acting as senior technician onsite

**MINIMUM QUALIFICATIONS:**

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1. Have high school diploma or GED (Enrolled in an Engineering/Survey program preferred) or have demonstrated work experience.
2. Able to read and understanding construction plans and contour maps.
3. Must specialized experience using survey equipment including total stations, survey grade GPS.
4. Must understand general statistics as related to accuracy assessment of survey data.
5. Be detail oriented and organized.
6. Must have basic knowledge of computer technology.
7. Able to take instruction, learn and develop skill sets.
8. Able to work and think independently.
9. Able to problem solve and make sound independent decisions.
10. Possess a strong work ethic, be energetic, dedicated and enjoy working outside
11. Have excellent verbal and written communication skills
12. Have an applicable college degree or be a junior or senior in an engineering or survey program.
13. Have a flexible schedule and able to work early/late and on weekends, as needed
14. Ability to walk/hike on trails or rugged terrain.
15. Good physical condition.
16. Ability to operate a four-wheel drive vehicle and an all-terrain vehicle in a safe manner.
17. Ability to establish and maintain cooperative working relationships with the community.

**EDUCATION/EXPERIENCE:**

Grade 7: College degree from an engineering, surveying or closely related program,

Grade 8: College degree from an engineering, surveying or closely related program, (4) years general experience with construction, surveying and GIS.

Grade 9: College degree from an engineering, surveying or closely related program, (4) years general experience with construction, surveying and GIS, two (2) year specialized experience.

Alternatively, High School diploma or GED and five (5) years specialized experience in the field.

**CONDITIONS OF EMPLOYMENT:**

1. All applicants are subject to the Tribe's Drug and Alcohol Policy including pre-employment screening.
2. May be subject to a comprehensive background check.
3. All applicants will acknowledge and follow all Yurok Tribe personnel and other policies and procedures.
4. The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job.
5. Must have a valid state issued driver's license (CA or OR) and be insurable on the Tribe's insurance policy.

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- 6. 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.
- 7. 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 and/or the ability to think “on the fly” using situational awareness.
- 8. PHYSICAL DEMANDS: While performing the duties of this job, the employee is frequently required to walk, stand and use hands to finger, handle, or feel. The employee is required to sit, reach with hands and arms, climb or balance, stoop, kneel, crouch, or crawl, talk and hear. The employee must occasionally lift and/or move up to 50 pounds, have stamina and sufficient physical ability and dexterity to accomplish fieldwork that includes strenuous exertion, inclement weather and long hours in the field.
- 9. VISION REQUIREMENTS:
  - Close vision (clear vision at 20 inches or less).
  - Color vision (ability to identify and distinguish colors).
  - Depth perception (three-dimensional vision, ability to judge distances and spatial relationships).
  - 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. I also understand that, as an employee, I am expected to perform my assigned duties, to read and abide by all Yurok policies and procedures—personnel, vehicle usage, procurement, etc. I understand that any violations of all established policies and procedures may lead to disciplinary measures, up to and including termination.

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

\_\_\_\_\_  
Date

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

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

\_\_\_\_\_  
Date