



FORESTRY TECHNICIAN I

Wildlife & Ecosystems Management Program
Department of Natural Resources

Reports To: Forester
Salary/Hourly Range: 20
FLSA Status: NON-EXEMPT

VALID DRIVER'S LICENSE REQUIRED

PD Revised: 07/28/2021

INTRODUCTION

This position is responsible for forest and woodland inventorying, implementation of program project goals and objectives and long-term monitoring of various forest management activities. This involves designing and maintaining an efficient database in support of the Wildlife & Ecosystems management Program. The incumbent performs duties of moderate complexity and difficulty requiring knowledge in forestry principles, methods and techniques. The work consists of duties that involve related steps, processes and methods. Critical thinking and analytical skills will be utilized. The incumbent is under general supervision and line authority of the Forester. The supervisor provides direction and guidance by establishing objectives, priorities and deadlines. The supervisor is available to provide assistance at the beginning of the survey and oversees progress made. The incumbent works independently, using initiative and judgement when conducting surveys and map work and carrying out assignments. Work in progress is reviewed for accuracy and compliance with established guidelines, regulations and procedures.

KEY DUTIES AND RESPONSIBILITIES

(The following examples of duties are intended to be illustrative only and are not intended to be all inclusive or restrictive.)

- 1) Assists with conducting surveys and inventories of forest/woodland ecosystems; identification of optimum site conditions for the introduction of various tree species on the Hopi Reservation; monitors and records plant growth for reporting purposes and identification of forest health issues; basic understanding of forest health issues and impacts on forest/woodland ecosystems.
- 2) Assists with environmental studies; monitoring soil and water conservation conditions to assure woodland health; identifies and recommends non-essential range roads for closure. Identification of native trees, forbs, grasses and shrubs found within the Hopi Reservation.
- 3) Assists with identifying and conducting various thinning projects to reduce fuel load and to enhance woodland ecosystems as it relates to various forest management activities and other fire-related organizational and operational problems; performs pre-suppression by assisting in the detection and reduction of potential fire fuel hazards and identifying wildland urban interface fire management areas.
- 4) Assists with maintaining inventory and maintenance of chainsaws, wood chipper, brush mower, power & hand tools and logistical equipment; performs minor repairs and reports major repairs to the supervisor for corrective action.
- 5) Assist with wetland riparian projects, monitoring wetlands and riparian conditions and providing assistance to Wetlands Coordinator to complete goals and objectives.
- 6) Assists Non-Game Biologist in conducting surveys and monitoring of various wildlife species in Forestry, woodland and wetland/riparian areas to meet goals and objectives.
- 7) Submits well documented reports, surveys, and daily monitoring activities of forestry and woodland observations, management recommendations, and environmental conditions on Hopi Lands.
- 8) Performs other related duties as assigned or authorized to achieve Tribal/Program goals and objectives.

PERSONAL CONTACTS

Contacts are with employees within/outside the immediate work areas, technical/professional consultants, State and Federal forestry representatives, and the general public. The purposes of these contacts is to exchange factual information and to foster a network of services for the benefit of the Hopi Tribe.

PHYSICAL EFFORT & ENVIRONMENTAL FACTORS

The work is performed outdoors in the field; very minimal time is spent in the office setting, unless working on the database, downloading data and writing required reports. The work requires considerable and strenuous physical exertion such as long periods of standing, climbing, lifting and carrying objects in excess of 25lbs., Travel on and off the reservation is required.

MINIMUM QUALIFICATIONS

Education: High school diploma or GED Certification;

AND

Experience: Two (2) years work experience in forestry/woodland management and habitat;

OR

Equivalent combination of Education, Training and Experience which demonstrates the ability to perform the duties.

KNOWLEDGE, SKILLS, AND ABILITIES

- Knowledge and operations of field instruments and equipment.
- Knowledge and operation of maintaining chainsaw and safe operations.
- Knowledge of forestry terminology and habitat management theories and practices as it relates to the Hopi Reservation.
- Knowledge of fire ecology and forest health.
- Knowledge of forest pathogens such as diseases and insects.
- Knowledge of Ordinances, particularly Ordinance #47, that directly or indirectly affects woodlands on the Reservation.
- Knowledge of plants and growth habitats; plants associated with wetlands/woodlands. Plant taxonomy and ecology of habitat.
- Knowledge of Hopi traditions, language, culture and lands.
- Ability to communicate verbally and through written reports.
- Skill in operating basic office machines/equipment and machinery.
- Skill in the use and maintenance of tools; equipment and machinery.
- Skill in report writing.
- Skill in the use and maintenance of chainsaws, weed eaters, wood chippers, brush mowers and various equipment and maintaining logs for all field equipment.
- Skill in basic operating computers and GPS/GIS equipment in preparing maps, operating 4 X 4 vehicles.
- Ability to identify various tree, plant and animal species as it pertains to the Hopi Reservation.
- Ability to learn GIS/GPS technology and software programs.
- Ability to learn dendrology and forest/woodlands ecology.
- Ability to use compass and GPS technology in conjunction with topographical maps.
- Ability to operate an ATV/OHV vehicles.
- Ability to maintain and/or obtain chainsaw safety and operations certification.
- Ability to work independently and unsupervised.
- Ability to establish and maintain professional working relationship with others.

NECESSARY SPECIAL REQUIREMENTS

- 1) Must possess a valid Arizona Driver's License and complete/pass the Hopi Tribe's Defensive Driving course.
- 2) Driving is an essential function of this position. Incumbent must have and maintain a driving record which qualifies them for coverage under the tribal insurance policy (tribal insurance qualifications are independent of DMV issuance of a driver's license) and maintain certification to operate tribal vehicles for business purposes.
- 3) Must complete and pass the pre-employment screening.
- 4) Possess or obtain a valid and current chainsaw safety and maintenance certification.
- 5) Must be able to pass mandatory and random drug & alcohol screening.
- 6) Must not have any felony convictions.
- 7) Must not have been convicted of misdemeanors at the local, state, or federal level within the past five (5) years of application.