



PAJARO VALLEY WATER MANAGEMENT AGENCY

WATER RESOURCES TECHNICIAN

REPORTS TO: Senior Water Resources Hydrologist

STATUS: Non-Exempt

REVISED: September 13, 2021

DEFINITION Under general supervision collects, records, and analyzes data related to groundwater, surface water, delivered water, land use, and permit compliance monitoring programs; performs field tests; enters results into database; collects and analyzes spatial data; reads flow meters as needed, conducts water use investigations; assists with water supply facility maintenance activities; assists in public outreach and water conservation activities; performs related fieldwork.

GENERAL CHARACTERISTICS

- Works independently to perform basin-monitoring activities including site and instrument maintenance, water and land use data collection, and coordination of laboratory services.
- Employee may receive assignments from more than one manager but one supervisor evaluates employee's performance.
- Navigates off-road terrain; enters into agricultural and remote natural terrain to conduct tests and obtain data.
- Work is performed in conjunction with prescribed schedules and assignments, which must be planned by the employee to use time and equipment efficiently. Employee receives instruction when tasks are assigned, has some latitude in selecting work methods, and is expected to refer matters that do not fit the regular work pattern to the supervisor for guidance.

EXAMPLES OF DUTIES

- Monitors groundwater and surface water levels and quality; measures streamflow; operates and maintains testing equipment; collects other relevant field data as needed.
- Collects water and soil samples.
- Conducts land use surveys.
- Operates spatial data acquisition applications.
- Conducts water use investigations; documents allegations of water waste.
- Enters field data into, and implements QA/QC measures, in database management systems.
- Reads flow meters.
- Maintains site access by performing routine vegetation management.
- Performs other duties as assigned.

QUALIFICATIONS

➤ **Knowledge of:**

- Groundwater and surface water sampling and monitoring techniques.
- Calibration and maintenance practices of monitoring equipment.
- Computer applications: Microsoft Office software, and ArcGIS.
- Design principles and safe operation of wells.

- Common public relations courtesies, practices, and techniques.
- Applicable safety procedures and precautions.
- English language usage, spelling, grammar and punctuation (Bilingual preferred - English/Spanish).
- Intermediate mathematics and statistics.
- Safe operation of both hand and power tools.

➤ **Ability to:**

- Work independently within an established schedule and set of parameters; exercise discretion in field activities and data collection; understand and carry out oral and written instructions.
- Establish and maintain effective relationships with those contacted in the course of work.
- Determine and use appropriate safety precautions.
- Use a computer.
- Operate and read a variety of testing equipment, gauges, meters, pumps, and tools.

LICENSE REQUIRED

- Possess and maintain a valid California driver's license.
- Maintain automobile liability coverage with a minimum of \$50,000 single limit or \$50,000/\$100,000 per occurrence.
- Clean DMV record.

TRAINING AND EXPERIENCE

- Any combination of training, education, and experience, which demonstrates the ability to effectively perform the duties of the position. A typical qualifying entrance background is two years' experience performing field research and data collection (related to groundwater and surface water preferred); water resources industry knowledge,
Or
- Completion of coursework in a physical science, environmental studies, or a closely related field equivalent to two years study toward an Associate or Bachelor degree.

PHYSICAL DEMANDS AND WORKING CONDITIONS

Employee performs work that involves lifting, pushing and pulling of objects weighing approximately 50 pounds and may occasionally be required to lift up to 100 pounds with assistance; must have the mobility and stamina to walk long distances on uneven terrain and to stand, stoop, reach and bend for prolonged periods; must be able to reach, grasp and manipulate small objects; must be able to hear test equipment in operation and to be aware of danger in the field; will spend significant time in work vehicle driving to data collection sites; must be able to distinguish shades of color; may be required to work in inclement weather, direct sunlight, and in the cold; may be required to work safely with potentially harsh or toxic substances and will be required to wear protective apparel; must work in and around moving water in streams; may work in enclosed spaces or at heights above ground level; will frequently work around dust and pollens, ticks and poison oak. Employee may be required to work weekends and/or holidays from time to time.
