



WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
is seeking qualified candidates for the following career opportunity:

MANAGER OF HYDROGEOLOGY

SALARY RANGE 25: \$126,967.88 - \$169,821.49 ANNUALLY

DEADLINE: OPEN UNTIL FILLED FIRST REVIEW OF APPLICATIONS: FRIDAY, AUGUST 23, 2019

Under direction of the Assistant General Manager \ Chief Operating Officer, manages the District's Hydrogeology Department, which includes groundwater basin management and replenishment activities, groundwater quality, seawater intrusion control, contaminated site reviews, groundwater monitoring programs, and permit compliance activities. Supervise and direct the work of hydrogeologists, engineers, interns, and other technical and support personnel assigned to the Department; provide professional hydrogeologic expertise to the District; act as Program Manager overseeing multiple projects and programs; and maintain liaisons with other relevant agencies, consultants, and technical organizations.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Responsible to ensure the District's hydrogeologic, groundwater basin management, water quality, and Department's permit compliance goals and objectives are being met through effective management of the group; Communicate effectively with Assistant General Manager \ Chief Operating Officer, Assistant General Manager \ Chief Administrative Officer, General Manager, the Board of Directors, and others as to the needs and accomplishments of the department to help advance the District's mission;
- Attend meetings as related to District hydrogeology, water quality, and basin management activities and make presentations on behalf of the District. Prepare and make technical presentations at professional organizations and conferences.
- Participate in the selection, training, development, performance reviews, mentoring, and counseling of assigned staff;
- Direct and coordinate work activities among staff, consultants, contractors and other entities; Ensure that delegated work accomplishes the intended objectives to professional standards and adheres to schedules and budgets; and recommend salary adjustments, promotions, and disciplinary action for assigned staff.
- Provide technical expertise, oversight, and support for the District's groundwater resources management issues, including artificial recharge, water quality, contaminant hydrogeology, regional groundwater monitoring, seawater intrusion, computer modeling, well construction, conjunctive use studies, groundwater budgets, permit compliance, and oversight of the preparation of the annual Engineering Survey and Report, Cost of Service Report, and the Regional Groundwater Monitoring Report;
- Prepare or delegate geologic, hydrogeologic, and water quality reports on a variety of District-related topics;
- Provide senior technical review of reports, studies, plans, specifications, requests for proposals, and other documents prepared by District staff or outside entities; and conduct research, attend seminars, publish papers, and communicate with others as appropriate to remain current on pertinent groundwater issues.
- Plan, organize, coordinate, budget, schedule, and direct major District Projects and Programs;
- Responsible to ensure the project and program goals are met using effective management skills, including schedule and budget tracking, effective communication, organized and complete program files, minimizing problems, and effective direction of staff and outside entities assigned to the program;
- Perform or delegate preparation of specifications, requests for proposals, and bid requests;
- Manage large and complex individual projects and programs related to hydrogeology, basin management, and water quality and coordinate preparation of Committee and Board agenda items and supporting material and presentations. Assure all information is accurate and presented in a manner satisfactory to the Assistant General Managers, General Manager and the Board of Directors
- Establish and maintain effective working relationships with Central and West Coast basin stakeholders, including the groundwater producers, CBMWD, WBMWD, LACDPW, RWQCB-LA, MWD, OCWD, CSDLAC, EPA, DDW, SGR Watermaster, Main San Gabriel Watermaster, and others;
- Establish and maintain effective working relationships with other agencies, academia, organizations, and consultants.
- Attend meetings, prepare reports and make oral presentations, as appropriate. Presentations are delivered in a manner that sustains the District's professional image.
- Advocate responsible planning to identify best projects for groundwater contamination prevention, cleanup, and monitoring.
- Research new or optimal ways to replenish the Central and West Coast Basins, maximizing the use of recycled water or other local sources.
- Participate in meetings and data evaluation of seawater barrier-related topics.



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Knowledge of:

- Extensive experience in the practical application of the principles of hydrogeology, including groundwater basin management, sustainable water resource evaluations, environmental site investigations, groundwater monitoring, water well planning, design, and rehabilitation, and applicable regulations. Knowledge of coastal alluvial and marine complex aquifer systems, seawater intrusion control, recycled water reuse for recharge, 3D visualization and numerical modeling, large scale contaminated site investigation and remediation, grant funding experience, and established contacts working with Southern California regulatory agencies preferred. .

Ability to:

- Effectively motivate and manage Hydrogeology Department staff and assist other departments with their hydrogeologic needs (education, displays, presentations, project input). Plan, organize, manage and direct a variety of complex program/project functions and activities to achieve program/project goals and objectives; Analyze difficult program/project and operational objectives and issues, evaluate alternatives and reach sound, logical, fact-based conclusions and recommendations. Perform all work with a high degree of quality and accuracy.

MINIMUM QUALIFICATIONS TO APPLY: Graduation from an accredited college or university with a bachelor's degree in geology, hydrogeology, hydrology or a closely related field; and ten (10) years of direct, practical experience in hydrogeology including water quality and groundwater management programs. At least five years supervisory experience; or an equivalent combination of training and experience. Master's or Ph.D. degree preferred but not required.

LICENSES; CERTIFICATES; SPECIAL REQUIREMENTS: Current, valid registration as a California Professional Geologist and California Certified Hydrogeologist. Current valid California Driver's License and insurance required

APPLICATION AND SELECTION PROCESS: The first review of applications will be August 23, 2019. To be considered for this opportunity please submit a (1) Application for Employment (available at www.wrd.org), (2) cover letter highlighting your applicable experience and (3) resume to Brandon Mims, Manager of Administration and Human Resources, bmims@wrd.org by the first review date. The District is an Equal Opportunity Employer.



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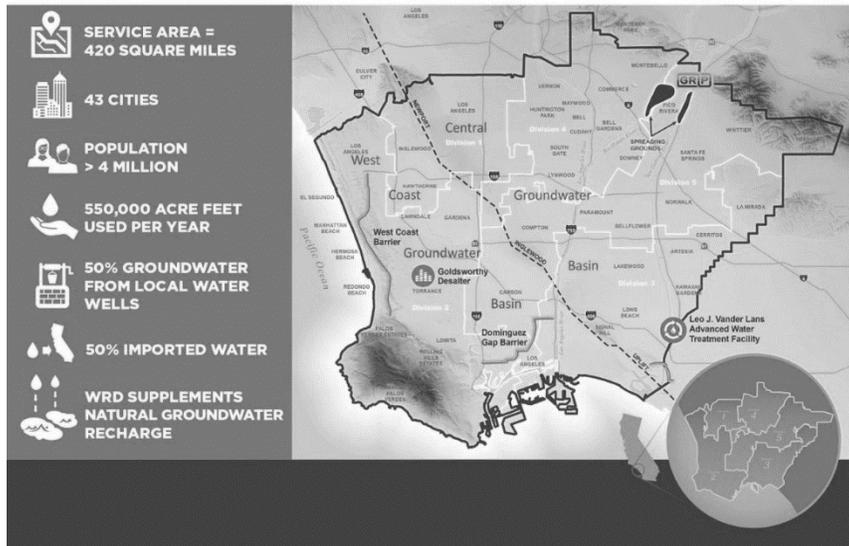
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The Water Replenishment District of Southern California (WRD) is the largest groundwater agency in the State of California, managing and protecting local groundwater resources for four million residents. WRD's service area covers a 420-square-mile region of southern Los Angeles County, the most populated county in the United States. The 43 cities in the service area, including a portion of the City of Los Angeles, uses about 250,000 acre-feet (82 billion gallons) of groundwater annually which accounts for approximately half of the region's water supply.

WRD ensures that a reliable supply of high-quality groundwater is available using recycled water and storm water capture. WRD is responsible for monitoring and testing groundwater throughout the region using effective management principles.



WRD SERVICE AREA IN SOUTHERN LA COUNTY



The Mission of WRD is "To provide, protect and preserve high-quality groundwater through innovative, cost-effective and environmentally sensitive basin management practices for the benefit of residents and businesses of the Central and West Coast Basins."

WRD was formed by a vote of the people in 1959 to protect the groundwater resources of the Central and West Coast Groundwater Basins. Prior to the formation of the District in 1959, unregulated and unmanaged over-pumping caused many water wells to go dry. Along the coastline, groundwater levels dropped below sea level, allowing the salty ocean water to seep into and contaminate the freshwater aquifers. Today, WRD protects the basins through artificial groundwater replenishment, ensuring that aquifers maintain healthy levels. WRD further protects the basins from seawater intrusion by injecting water into wells along the coastline to keep the ocean from further contaminating the fresh groundwater.

The major challenge to the District in more recent years has been the availability and cost of imported water for replenishment. Relatively low-cost imported water in the form of seasonal supply was a principal source of

replenishment for 47 years. That water has not been readily available for the last eight years and its future availability is in doubt. The cost of uninterrupted imported supply continues to rise precipitously, making that alternative financially unattractive. As a result, WRD has revised its strategic approach to its mission in a major way. The District has adopted what is called the **Water Independence Now (WIN)** Program, whose purpose is to eliminate the use of imported water for replenishment and barrier injection. WIN is a suite of projects and programs designed to develop local supply alternatives in the form of increased recycled water and storm water capture to meet replenishment and barrier injection needs well into the future. The District anticipates completing WIN within the next five years.

The **Albert Robles Center (ARC-AWTF)** is the cornerstone of WRD's WIN Program. The ARC project will include installation of additional turnout structures to enhance operational and maintenance flexibility, which will increase recharge capacity significantly at the spreading grounds; as well as construction of a 10-MGD advanced water treatment plant. Upon completion, ARC will offset nearly seven billion gallons (21,000 acre-feet) of imported water, currently used to replenish the groundwater basin in the Montebello Forebay Spreading Grounds, with locally available recycled water (a combination of tertiary and advanced treated recycled water). The District is presently completing the environmental document and 30% design for ARC: final design and construction are scheduled to follow thereafter.

The District undertakes Clean Water projects to assist pumpers to treat and make productive use of contaminated water. Additionally, in 2001 the District built a significant groundwater desalter (known as "Goldsworthy Desalter") in Torrance to treat a portion of the saltwater plume that migrated inland before the seawater barriers were completed. The District is presently working with the City of Torrance to expand the Desalter's treatment capacity from 2.5 MGD to 5.0 MGD. Recent studies indicate that the saline plume is approximately 650,000 acre-feet in volume, presenting a significant water quality challenge and supply opportunity. Late last year, the court approved the third amended judgment for the Central Basin Groundwater Basin, setting forth a legal framework to store 330,000 acre-feet of water underneath southeast Los Angeles County - the densest urban area. Fully utilized, the storage capacity is enough to supply the water needs of 2.6 million people for an entire year. The District is currently working with the affected parties to transition the different Watermaster functions and responsibilities from the California Department of Water Resources to local management pursuant to the amended judgment.