



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

LIMNOLOGY AND RESERVOIR TEAM MANAGER

Group-Section: Water System Operations Group - Water Quality Section	FLSA Status: Exempt Bargaining Unit: MAPA	Salary Grade: 064 Job #: TM030
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JOB SUMMARY

The Water Quality Reservoir Manager is responsible for managing and supervising the reservoir management team of professional limnologists and biologists. Areas of responsibility include source water monitoring and sample collection; support of engineering by applying the science of limnology to develop water quality design criteria; monitoring of invasive mussels; and response to taste and odor events and to emerging public health issues.

OVERSIGHT

Oversight Received: Receives direction from a Water Quality Laboratory Unit Manager.

Oversight Given: Manages and supervises a staff of professionals.

JOB DUTIES

1. Coordinates the source water monitoring activities for compliance, early warning, contaminant events, operations and resource planning; provides technical review and evaluation on projects for engineering, operations, environmental, recreational issues, and source water supply that may influence water quality; applies limnology principles to develop water quality design criteria for engineering projects; develops and coordinates early warning monitoring strategies to detect and evaluate taste and odor events; and conducts and is responsible for quality assurance and quality control reviews of all analytical data to ensure accuracy of reporting.
2. Supervises staff including selection, assignment and monitoring of work, coaching, counseling, and performance assessment; and reviews work for thoroughness, adherence to water quality standards, and accuracy of results.
3. Assesses employees' competencies and develops training plans; discusses future professional development with staff; and provides safety training both routine and in preparation for emergency response to natural disasters and contaminant threats.
4. Provides general administration of the team including establishing and tracking team goals and objectives; analyzes team activities and prepares reports; develops and monitors team budget; evaluates resource needs and prepares staffing and consulting requests; and reviews and approves time, reimbursement requests, and purchases.
5. Acts as project manager on source water quality concerns and issues; prepares proposals independently or with co-investigators to obtain outside funding for projects; and administers contracts in accordance with conditions set forth by the funding source.
6. Meets with other team managers and Water System Operations staff to evaluate and coordinate projects; and provides technical assistance to member agencies.

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7. Manages and directs the preparation of project reports, manages data, and makes presentations for a project advisory committee or other interested or involved parties.
8. Assists in developing team and unit policies, methods, and procedures; and reviews and makes recommendations regarding the development of quality assurance and quality control procedures, project milestones, presentation, and records management.
9. Performs other related duties as required.

EMPLOYMENT STANDARDS

MINIMUM QUALIFICATIONS

Education and Experience: Bachelor's degree from an accredited college or university and eight years of increasingly responsible relevant experience, of which two years must have been in a project management, supervisory, or lead capacity; or an advanced degree from an accredited college or university and six years of increasingly responsible relevant experience, of which two years must have been in a project management, supervisory, or lead capacity.

Required Knowledge of: Management and supervisory methods and techniques; team building; water treatment regulations, processes, and procedures related to aquatic habitats; project management; standard and experimental analytical methods, concepts, and procedures; applied and theoretical limnology, and wide experience with aquatic ecosystems, wetlands, and watershed; general knowledge of chemistry, biology, aquatic ecology, statistics, and other related scientific areas; quality assurance and quality control procedures; safety regulations; relevant federal, state, and local laws; reporting and public notification requirements; and contract and grant administration.

Requirement Skills and Abilities to: Interpret and analyze results; identify and solve complex scientific problems; conduct hypothesis testing through experimental design of equipment to monitor and sample unusual aquatic situations; manage a diverse work force; mentor, develop, and motivate staff; plan, organize, and review the work of subordinates and team members; review work products for detail and adherence to quality control parameters; exercise judgment and discretion; use scientific applications such as word processing and databases; operate a variety of laboratory equipment; encourage and facilitate cooperation; communicate orally and in writing on administrative and technical topics with both scientific and non-technical audiences; and establish and maintain collaborative working relationships with all levels within the organization.

CERTIFICATES, LICENSES, AND REGISTRATIONS REQUIREMENTS

Certificates

- None

Licenses

- Valid California Class C Driver License that allows you to drive in the course of your employment

Job Title: Limnology and Reservoir Team Manager

Job Code: TM030

Adopted: 04/07/05

Effective: 06/25/2023

Revised: 12/05/2023

Supersedes: 02/14/17

Registrations

- None

DESIRABLE QUALIFICATIONS

- Advanced degree from an accredited college or university with a major in a relevant field such as, but not limited to, limnology, aquatic sciences, environmental science, lake management, aquatic ecology, water resources management, or freshwater sciences.
- North American Lake Management Society (NALMS), Certified Lake Manager

PHYSICAL DEMANDS/WORK ENVIRONMENT

The physical demands and work environment characteristics described here are representative of those that must be met or may be encountered by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Physical Demands: The work is sedentary. Typically, the employee may sit comfortably to do the work. However, there may be some walking; standing; bending; carrying of light items such as paper, books, or small parts; driving an automobile, etc. No special physical demands are required to perform the work.

Work Environment: The work environment involves everyday risks or discomforts that require normal safety precautions typical of such places as offices, meeting and training rooms, libraries, and residences or commercial vehicles, e.g., use of safe work practices with office equipment, avoidance of trips and falls, observance of fire regulations and traffic signals, etc. The work area is adequately lighted, heated, and ventilated. May travel to various sites requiring overnight stay.

Vision Requirements: No special vision requirements.

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