

# **Sacramento-Yolo Mosquito & Vector Control District**

## **Fisheries Supervisor**

### **Nature of Work:**

Under general direction of the Manager and the direct supervision of the Assistant Manager, this position is responsible for providing leadership to improve programs, strategies, performance and quality of production of *gambusia affinis* (mosquitofish), other fish or biological agents that prey on mosquito larva for the Sacramento-Yolo Mosquito and Vector Control District. Responsibilities include the direct supervision of subordinate biological control operations personnel and equipment.

### **Illustrative Tasks:**

*The following tasks are typical and may vary depending upon the assignment. These are not to be construed as exclusive or all inclusive. Other tasks within the scope of experience and capability may be required and assigned.*

Plans and provides for production of mosquitofish for District operational purposes; collaborates with the District Biologist in the technical phases of mosquitofish production development and planning.

Supervises, inspects and evaluates the daily task performance of Fisheries department personnel including technicians and temporary seasonal workers; participates in hiring, training, counseling, evaluating and discipline; plans and assigns regular tasks such as, but not limited to, rearing, collecting, transporting, distribution, and predator control of mosquitofish, field inspections, control operations, and special projects.

Collaborates with and assists other departments with various field studies, surveys, evaluations of biological and chemical control products and special projects as needed; provides consultation to public and private organizations involved in activities which have a bearing on vector control.

Assists with the more difficult or complex public relations issues encountered by Field Technicians through control operations by listening and responding to complaints or problems; investigates and provides accurate, logical assessments and information to the public or management to resolve issues as requested or required.

Plans and conducts training or presentations for District field personnel, supervisors, technical staff, community groups and organizations on fisheries production relative to mosquito control; assists in the safety and task training of new personnel and mentors District staff, when appropriate.

Investigates, selects or recommends purchases of department supplies and equipment; assists with preparation and monitoring of annual Fisheries department budget; reviews invoices for accuracy and payment.

Responsible for the maintenance of the ponds used by the District for mosquitofish production, such as, but not limited to, water chemistry and quality; performs and oversees personnel in the performance of routine facilities and equipment maintenance and repairs including fish ponds and tanks, pumps and small engines, buildings, landscaping and grounds; may oversee or assist in construction, removal, or other related projects as needed or assigned.

Produces a variety of reports and correspondence using word processing, database, spreadsheet, and map based applications, and other District software as required.

Keeps informed of current developments in vector control and vector surveillance, as well as biological, environmental and regulatory changes to maintain skill levels.

Performs other administrative and/or field work related to mosquito control and surveillance as required.

May be required to work overtime hours, weekends and holidays.

May be exposed to infectious diseases associated with mosquitoes and other vectors.

### **Minimum Qualifications**

*Listed below are some typical ways a person can obtain the required education, experience, knowledge and abilities to perform the responsibilities and tasks of the position. Equivalent combinations of training and experience may be considered qualifying at the sole discretion of the District.*

#### Education and Experience:

- High School diploma or equivalent; an Associate's degree from an accredited college in fisheries, biological science or a closely related field is preferred; and
- Six (6) years increasingly responsible experience in mosquito and vector control with at least one (1) year supervisory work.

#### Licenses or Certifications:

- Possession of a valid California Department of Public Health Certification in Mosquito Control categories A, B, C, and D; or, must be obtained within two (2) years of employment and maintained throughout employment;
- Possession of a valid California drivers' license; must be insurable with the District self-insurance program; must maintain valid license and insurability throughout employment.

### **Knowledge and Abilities:**

*The following are examples of attributes and competencies which can be gained and demonstrated through experience, education and training, and are necessary to successfully perform the tasks and duties listed within the Illustrative Tasks section of this description.*

Knowledge of:

- Best practices of integrated pest management, biological and chemical control, vector-borne disease control, and vector prevention, techniques, equipment, and terminology;
- Mosquitoes and other vectors including, but not limited to, life cycle, habits, and characteristics;
- Mosquitofish and other fish or biological agents that prey on mosquitoes;
- Modern principles of administration and supervision;
- Basic computer software applications and programs including word processing, databases, spreadsheets, Geographic Information Systems (GIS) applications, e-mail and internet;
- Federal, State and local laws and regulations including environmental regulations affecting source reduction and mosquito control such as, but not limited to, the California Environmental Quality Act (CEQA), the Endangered Species Act (ESA), the Clean Water Act (CWA), and the National Environmental Policy Act (NEPA);
- Duties, responsibilities, and Best Management Practices of the Sacramento-Yolo Mosquito and Vector Control District.

Ability to:

- Wade in bodies of water, such as, but not limited to ponds, rice fields, seepage areas and roadside ditches;
- Identify and conduct comprehensive surveys for various species of mosquitoes and other vectors found in Sacramento and Yolo Counties;
- Troubleshoot and analyze data to develop logical solutions to problems and identify alternative solutions, apply scientific principles to practical situations, project consequences of proposed actions, and implement recommendations in support of goals;
- Learn and understand pesticides used in mosquito and vector control, including understanding of application rates, safety policies, and procedures regarding the handling, storage and disposal of pesticides;
- Operate District pesticide application equipment, instruments, surveillance and other equipment or control devices;
- Prepare and implement training programs;
- Safely operate District equipment; train others on the safe and effective use of equipment by providing clear instruction and guidance;
- Effectively communicate both orally and in writing with the public, land owners, government agencies, and coworkers in a tactful and courteous manner;
- Establish and maintain effective working relationships with other employees and the public; must maintain composure and professionalism in adverse situations;
- Read and understand District policies, personnel manual, and other standard operating guidelines.
- Learn and understand pertinent federal, state, and local laws and regulations related to mosquito and vector control operations; learn how to apply relevant environmental regulations affecting District operations with the ability to develop workable solutions.

Physical Demands and Working Conditions:

The position of Fisheries Supervisor will require work which is varied in nature, including indoor office work and regular outdoor physical work. Outdoor physical work includes, but is not limited to, field work/visits traversing uneven ground such as fields, dirt banks, stream banks, rice fields, and ponds. Incumbent may be exposed to pesticides, chemicals, communicable diseases, and other health hazards; inclement weather conditions including extreme heat and cold, and/or verbal confrontations from members of the public. The incumbent may be required to work non-standard work schedule including evenings, weekends, and holidays. Incumbent will be expected to perform overtime or maintain a flexible work schedule during times when mosquitoes are most active.

The Fisheries Supervisor will need to be able to perform the following essential duties and functions of the position regularly sitting at desk and in meetings for long periods of time; occasionally reaching and twisting to reach equipment surrounding desk; regular walking, standing, bending at the knees and waist, stooping, and squatting; Ability to periodically lie in a prone position and climb ladders or fences; periodically pushing, pulling or lifting up to fifty (50) pounds; periodically assist in lifting objects in excess of 60 pounds; ability to read (with corrective vision if necessary); constant use of overall vision; regular computer use; occasional color and depth vision; regular repetitive motion associated computer usage; regular writing and typing; regular operation of office equipment, computers and clerical supplies; regularly manipulate and operate small parts and tools; regular hearing and talking in person and on the phone; regular public and/or coworker contact; ability to use fine and gross motor coordination for driving both standard and automatic transmissions, ATVs, and District equipment.

Periodically = Activity or condition exists less than 25% of the time  
Occasionally = Activity or condition exists 25-50% of the time  
Regularly = Activity or condition exists 50-75% of the time  
Frequently = Activity or condition exists more than 75% of the time

Information Block	
FLSA Status:	Non-Exempt
Established:	
Revised:	04/18/2017
Retitled:	

*The District reserves the right to modify, delete, or supplement the duties, qualification, and requirements stated at its sole and absolute discretion.*