

# **DELTA MOSQUITO & VECTOR CONTROL DISTRICT**

Dr. Mustapha Debboun  
*General Manager*

Post Office Box 310 \* Visalia, California 93279-0310

Mir Bear-Johnson  
*Assistant Manager*

1737 West Houston Avenue \* Visalia, California 93291

Phone (559) 732-8606 \* (877) 732-8606 \* Fax (559)-732-7441

www.deltavcd.com

Hector Cardenas  
*Operations Program Manager*

Crystal Grippin  
*Scientific Program Manager*

Sheri D. Davis  
*Administrative Assistant*



Erick Arriaga  
*Community Education and  
Outreach Coordinator*

## **REPORT OF THE MANAGER JANUARY 2022**

### **I. Water and Weather**

The temperature remained low throughout the month of January. As of January 24, 2022, the Delta Mosquito and Vector Control District (DMVCD) Weather Station reported an average high temperature of 59.6°F with an average low of 38.7°F and 0.13 inches of rainfall. The National Oceanic and Atmospheric Administration 1981-2010 seasonal averages for high and low temperatures in January are 54.6°F and 38.7°F respectively, with average rainfall of 1.91 inches.

Water storage at Pine Flat Reservoir increased to 290,020 acre-feet by January 27, 2022, and its inflow increased to 568 cubic feet per second (CFS) and its release increased to 406 CFS. The Lake Kaweah Reservoir had water than the previous month with 27,329 acre-feet on January 27, 2022. Lake Kaweah's inflow increased, with the reading from January 27, 2022 showing 210 CFS and its release decreased slightly to 6 CFS.

### **II. Narrative**

Operations continued with fleet vehicle winter maintenance. All vehicles receive a multi-point inspection which include Engine, transmission, cabin filter, air conditioning, heater system, front and rear brake pads, rotors, parking brake, fluids (brake fluid, engine oil, etc.), lights, and more. Staff have completed 16 fleet vehicle inspections for the month of January. Field equipment maintenance has begun with spray equipment of the A1 super duty sprayer.

Staff continued with District painting projects. Staff completed interior ceiling painting for the main office lobby, hallway, women's restroom, Operations Program Manager's office, Administrative Assistants office, Assistant Managers Office, and The District Manager's office. Staff have also completed the paint project of the exterior buildings of the woodshop/changing room, automotive building, and the main office building. In addition, staff fabricated brackets and installed the new and updated outdoor District sign located by the front gate.

The Urban team continues on updating and completing new Safety Data Sheets for all required stations. New pesticide spill kits were made to supply all applicator vehicles. In addition, staff responded to 5 service requests and conducted 1 pesticide application. Two Staff members participated as observers for the Unmanned Aircraft System training by LeadingEdge on January 31 and February 1, 2022.

Mosquito surveillance did not take place in January because of the cold weather. Arbovirus testing for West Nile virus (WNV), St. Louis Encephalitis virus (SLEV), and Western equine

encephalitis virus (WEEV) also did not take place. To date, no mosquito samples have been tested in 2022.

There were no homeowner or technician mosquitofish requests in January. A total of 50 mosquitofish fry were produced in January. Routine fish hatchery maintenance took place weekly as well as building maintenance.

No field larval samples were brought to the lab for processing. Susceptible *Culex quinquefasciatus* egg rafts were picked up from Santa Clara County Vector Control District. These egg rafts will be used to start a susceptible *Culex quinquefasciatus* colony to use as controls for insecticide resistance testing in our Insecticide Resistance Program during the 2022 mosquito season.

Laboratory staff continued to work winter maintenance, repairs, and equipment calibration for the 2022 mosquito season. Laboratory organization and restocking took place in January as well. Additionally, laboratory staff participated in continuing education webinars to maintain their Vector Control Technician Certification through the California Department of Public Health.

In January, a list is being developed on relevant events to attend for Community Education and Outreach events in 2022, i.e., local job fairs, farmers markets, baseball games, and other local events at the neighboring cities within our District. Our new outdoor sign was delivered on January 24 for installation. A new Education and Outreach Pop-Up Canopy event has been designed and is ready for approval by the Board of Trustees for purchase and production.

Dr. Mustapha Debboun and four staff members will attend and present at the upcoming Mosquito and Vector Control Association of California Annual Conference from February 7 – 10, 2022 in Sacramento, California.

The General Manager will e-mail an outreach letter to local District officials and other officials from nearby District towns informing them about collaborating and working with Oxitec in bringing an innovative and environmentally sustainable mosquito control project to Delta Mosquito and Vector Control District in the Central Valley of California. In addition, Oxitec will have a press release on this collaborative project on Wednesday, February 2, 2022.

There were 5 service requests in January:

2022 Service Request Summary

<b>2022</b>	<b>Fish</b>	<b>Inspection</b>	<b>Mosquito</b>	<b>Source</b>	<b>Other</b>	<b>Total</b>
<b>January</b>	0	0	0	5	0	<b>5</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>5</b>

**III.**

**Vector and Disease Surveillance**

**Delta MVCD Summaries**

Humans: There were no human cases of an arbovirus reported by the local Tulare County Public Health Department for the month of January 2022.

Birds: There were no dead birds reported to the District.

Mosquitoes: No mosquito samples were tested in January.

**State Surveillance:**

Humans: To date, human case data is not available for the state.

Birds: To date, dead bird report data is not available for the state.

Mosquitoes: To date, mosquito sample data is not available for the state.

**IV. Expenditures & Revenues – 2021/22**

TOTAL BUDGET \$3,974,072.78

EXPENDITURES – July 1, 2021 – January 31, 2022

Salaries	\$1,637,709.78
Services & Supplies	\$663,042.93
Tax Admin Fee	\$34,248.50
Capital	\$130,313.03
Long Term Debt	\$58,914.03
<b>TOTAL EXPENDITURES</b>	<b>\$2,524,228.27</b>

REVENUE RECEIVED – July 1, 2021 – January 31, 2022

July	\$137.48
August	\$0
September	\$12,309.21
October	\$35,667.25
November	\$0
December	\$2,379,114.09
January*	
<b>TOTAL REVENUE TO DATE</b>	<b>\$2,427,228.03</b>

**V. Time Sheet Summary**

Month	Available Work Hrs	Sick Hrs Used	Total Hrs Available for Work	Pct. Of Hrs Avail for Work
July	5,376	119.25	5,256.75	97.79
August	5,808	210.00	5,598.00	96.40
September	5,712	134.50	5,577.50	97.65
October	4,200	105.50	4,094.50	97.49
November	2,584	40.00	2,544.00	98.46
December	1,920	60.00	1,860.00	96.88
January	2,720	178.50	2,541.50	93.44

The District has a vacation policy that requires 24-hour notice in order to ensure the operational integrity of the workforce. Sick leave for doctor, dentist and/ or family medical necessity also requires advance notice- in so much as it is possible. Illness is unplanned and therefore unscheduled. Attendance records for the current year are shown in the table.

*\*January revenue was not available as of 01/28/2022.*