AGENDA

SPECIAL MEETING

NORTHWEST MOSQUITO AND VECTOR CONTROL DISTRICT

1966 COMPTON AVENUE, CORONA, CA 92881

Thursday, June 25th, 2026

Zoom Teleconference Information

Meeting ID: 389 155 8737

Trustee Silva will be attending remotely from 8930 Limonite Ave. Jurupa Valley, CA 92509.

Trustee Welty will be attending remotely from 31515 Railroad Canyon Rd. Canyon Lake CA 92587.

1. **Call to Order:** 3:00 PM
2. **Pledge of Allegiance:** Trustee Silva
3. **Roll Call/Introductions:**
4. **Public Comments or Questions:** This is the time when person(s) in the audience who wish to address the Board regarding a matter on the agenda or new items may speak. A member of the Public will be allowed up to three minutes or time at the discretion of the President of the Board of Trustees to address the Board. Individuals may not share their time with another speaker. Each speaker will specify an agenda item or matter within the subject matter jurisdiction of the Board that he/she will address. The public comment portion of the agenda shall only be used as an opportunity by the public to directly address the Board on items of interest to the public that are within the subject matter jurisdiction of the Board. All comments shall be made in a civil manner without profanity. Any individual who willfully interrupts or disrupts the meeting may be removed and subject to criminal prosecution.
5. **Consent Calendar:** All items under the Consent Calendar are considered routine and may be enacted by one motion, unless a request is made to remove an item from the Consent Calendar for consideration by a separate action.
    A. Minutes Regular Board Meeting No. 795th, May 21st, 2026
    B. May Operations Report
    C. May Laboratory Report

D. Treasurer's Dashboard May

6. **Items for Action:**
   A. Recommendation to approve a Cost-of Living Adjustment, adopt the updated Salary Schedule, and approve and adopt Resolution No. 612
7. **Adjournment:** The next regular meeting will be on Thursday, July 16th, 2026, at 3:00 PM, located at 1966 Compton Avenue, Corona, California. It is the intent of the Northwest Mosquito and Vector Control District (NWMVCD) to comply with all applicable aspects of the Americans with Disabilities Act. If you plan to attend this meeting and need special assistance due to a disability, please contact the District at (951)340-9792 at least 48 hours prior to the meeting. NWMVCD will attempt to reasonably accommodate your request.

Notice: Agenda materials are available for inspection by members of the public at 1966 Compton Avenue, Corona, California, during the hours of 8:00 AM to 3:00 PM, Monday through Friday, after their posting.

Minutes of the 795th Board Meeting

Board of Trustees

Northwest Mosquito and Vector Control District

Time: 3:00 PM, Thursday, May 21st , 2026

Place: Northwest Mosquito and Vector Control District
1966 Compton Ave. Corona, CA 92881
Zoom Teleconference Meeting ID: 3891558737

Trustees Present:	Nancy Jimenez-Hernandez	Corona	Board President
	Guillermo Silva	Jurupa Valley	Board Vice President
	Steven Su, Ph.D.	Riverside County	Board Secretary
	Dale Welty	Canyon Lake	Trustee
	Brian Tisdale	Lake Elsinore	Trustee
	Gregory Bowen	Norco	Trustee
	Cint Lorimore	Eastvale	Trustee
Trustees Absent	Philip Falcone	Riverside	Trustee
Staff Present:	Mark Breidenbaugh, Ph.D.	District Manager (DM)	
	Nikia Smith	Director of Operations (DOO)	
	Eric Ballejos	Director of Administration (DOA)	
	Chloe Wang, Ph.D.	Director of Scientific Programs	
	Alexa Christopher	Communications Specialist	

Others Present: Ms. Erica Vega, District Counsel

1. **Call to order:**

   President Jimenez-Hernandez called the meeting to order at 3:01 PM.

2. **Pledge of allegiance:**

The Pledge of Allegiance was led by Trustee Tisdale

3. **Roll call and introductions:**
   At the time of roll call, Trustees Bowen, Lorimore, Su, Welty, Tisdale, Jimenez-Hernandez, as well as the , Director of Operations, Director of Scientific Programs, Communications Specialist, Erica Vega, District Counsel and Director of Administration were present. Trustee Silva participated remotely from Jurupa Valley City Hall, and he joined the meeting at 3:00 PM.

4. **Public Comments and introductions:**
   A public comment was submitted to the Board of Trustees.

5. **Consent Calendar:**
   Motion by Trustee Lorimore to approve all items on the Consent Calendar; second by Trustee Tisdale. Passed unanimously by a roll call vote as follows: yes, by Trustees Bowen, Jimenez-Hernandez, Lorimore, Su, Tisdale, Silva, and Welty.

6. **Presentation:**

   No presentations were given.

7. **Items for action:**
   A. Approval of insulation installation bid

A motion by Mr. Tisdale to approve the staff recommendation to award the bid for the installation of insulation to Sierra Insulation Contractors. That motion was seconded by Mr. Welty. This item passed via a unanimous roll call vote.

B. Discussion about changing the time for the Regular Board of Trustees meeting

Staff was directed to send out a survey in November 2026 to evaluate schedule conflicts for 2027. No changes will be made to meetings in 2026 unless discussed later. Mr. Welty made the motion, which was seconded by Mr. Su. This item was passed by roll-call vote, with Mr. Bowen voting No.

C. Review of scheduling procedures for Ad Hoc committee meetings

Trustees advised staff to give at least 7 days' notice of any future Ad Hoc committee meeting.

D. Revisit the trustee travel policy

Trustees advised District Counsel to review the District's travel policy for both staff and trustees.

E. Assembly Bill 2561- Public Hearing on district Vacancies and Recruitment and Retention efforts.

The Interim District Manager announced that the District currently has no vacancies for full-time positions. A public hearing was opened at 3:49 PM, and no public comments were given. The public comment period was closed at 3:49 PM.

F. Recommendation to adopt the 2026 Local Guidelines for Implementing the California Environmental Quality Act (CEQA) and to approve and adopt Resolution No. 606

A motion to adopt the 2026 Local Guidelines for Implementing the California Environmental Quality Act (CEQA) by Mr. Tisdale, with a second by Mr. Su. This item was passed by unanimous roll call vote.

G. Public Hearing to approve the Engineer's Report for providing vector control services to the ad valorem District that serves the area (Zone A), Corona annexation (Zone B), and Lake Elsinore (Zone C), and ordering the levy of assessment and service charge by adopting Resolution Nos. 607 and 608.

A public hearing was opened at 3:52 PM, no public comment was given, and the comment period closed at 3:53 PM. A motion to pass Resolutions 607 and 608 was made by Mr. Tisdale, seconded by Mr. Bowen. This item was passed by unanimous roll call vote.

H. Public Hearing to approve the Engineer's Report for providing vector control services to the City of Canyon Lake and ordering the levy of assessment by adopting Resolution No. 609.

A public hearing was opened at 3:56 PM, no public comment was given, and the comment period closed at 3:56 PM. A motion to pass Resolutions 609 was made by Mr. Welty, seconded by Mr. Tisdale. This item was passed by unanimous roll call vote.

I. Public Hearing to approve the Engineer's Report for providing vector control services to the City of Riverside and ordering the levy of assessment by adopting Resolution No. 610.

A public hearing was opened at 3:57 PM, no public comment was given, and the comment period closed at 3:57 PM. A motion to pass Resolutions 610 was made by Mr. Tisdale, seconded by Mr. Su. This item was passed by unanimous roll call vote.

J. Public Hearing to approve the General Budget for Fiscal Year 2026-2027 and to adopt Resolution No. 611.

A public hearing was opened at 3:58 PM, no public comment was given, and the comment period closed at 4:01 PM. A motion to pass Resolutions 611 was made by Mr. Lorimore, seconded by Mr. Welty. This item was passed by unanimous roll call vote.

K. Closed Session. CONFERENCE WITH LABOR NEGOTIATORS Agency-designated representatives: Nikia Smith, Interim Assistant District Manager/Director of Operations
Unrepresented employee(s): All unrepresented employees

Nothing was reported out of closed session.

8. Reports:

Trustee Reports: Trustee Jimenez-Hernandez and Dr. Steven Su gave reports from attending the American Mosquito Control Association Annual Meeting in Portland, Oregon.

District Manager: Interim Assistant District Manager announces the District, along with other local vector control agencies, on a project to compare electric spray equipment to small gas engines. This Project will be taking place at Raahuages Shooting Enterprise, which is located within District boundaries.

District Staff: The Director of Administration gave an update on recruitment efforts.

9. Informational:

10. Other business:

A motion was made to adjust the start time for the June 18th Special meeting to 1:00 PM was made by Mr. Su, seconded by Mr. Welty. This motion was passed by roll call vote with Mr. Tisdale voting No.

11. Adjournment:

The meeting was adjourned by Secretary Su at 4:40 PM. The next scheduled meeting will be at 1:00 pm on June 18th, 2026, at the District Boardroom.

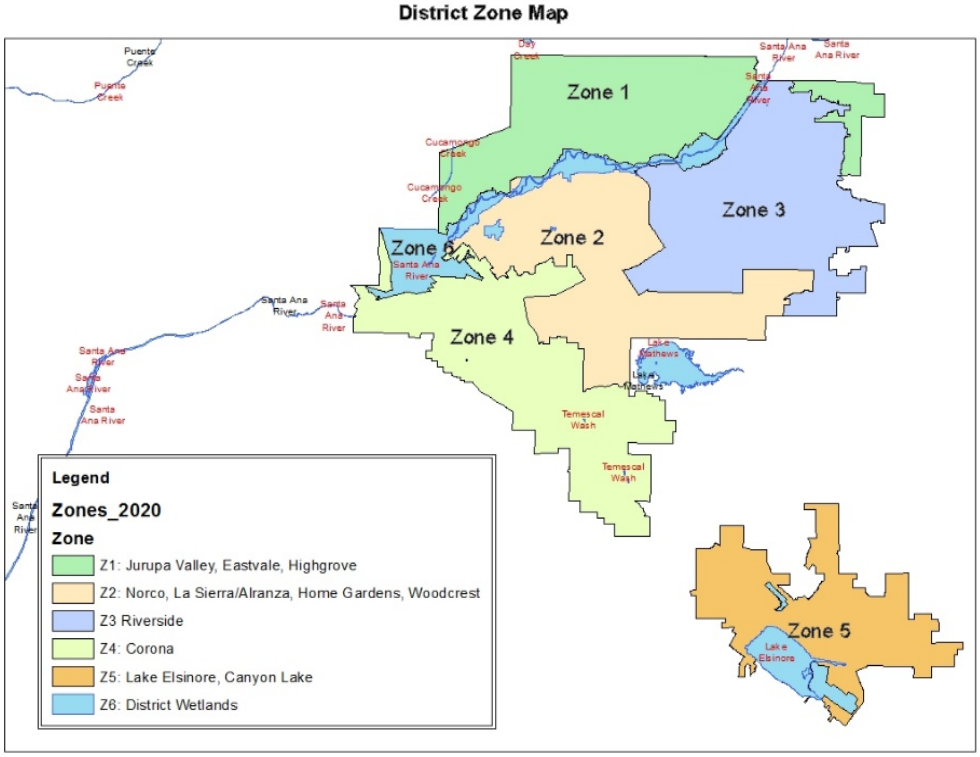
OPERATIONS REPORT
May 2026

Nikia Smith
Director of Operations

Service Requests

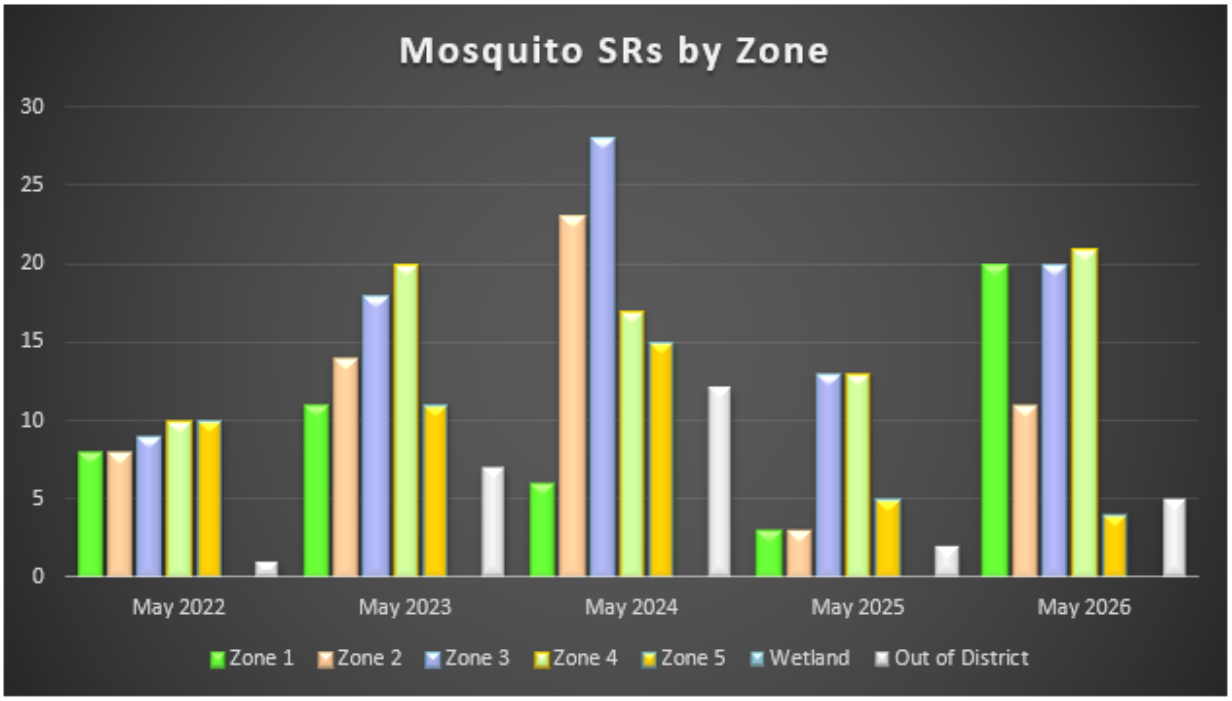
In May, a total of 175 service requests (SRs) were received, representing a 25% increase compared to the 140 SRs reported during the same month last year. This marked a return to the elevated service request activity observed throughout much of 2026. The increase was driven primarily by mosquito-related complaints, which more than doubled from 39 requests in May 2025 to 81 requests in May 2026, representing a 107% increase. Mosquito-related service requests accounted for nearly half of all SRs received during the month and continued to be the primary driver of public demand for services.

Of the SRs received in May, 46% were related to mosquitoes, 21% to rodents, 19% to bees, and 14% to other concerns, including flies and mosquito fish. Overall, the distribution of service requests highlights the continued importance of mosquito control activities as seasonal mosquito populations increase throughout the district.



Mosquito SR by Zone

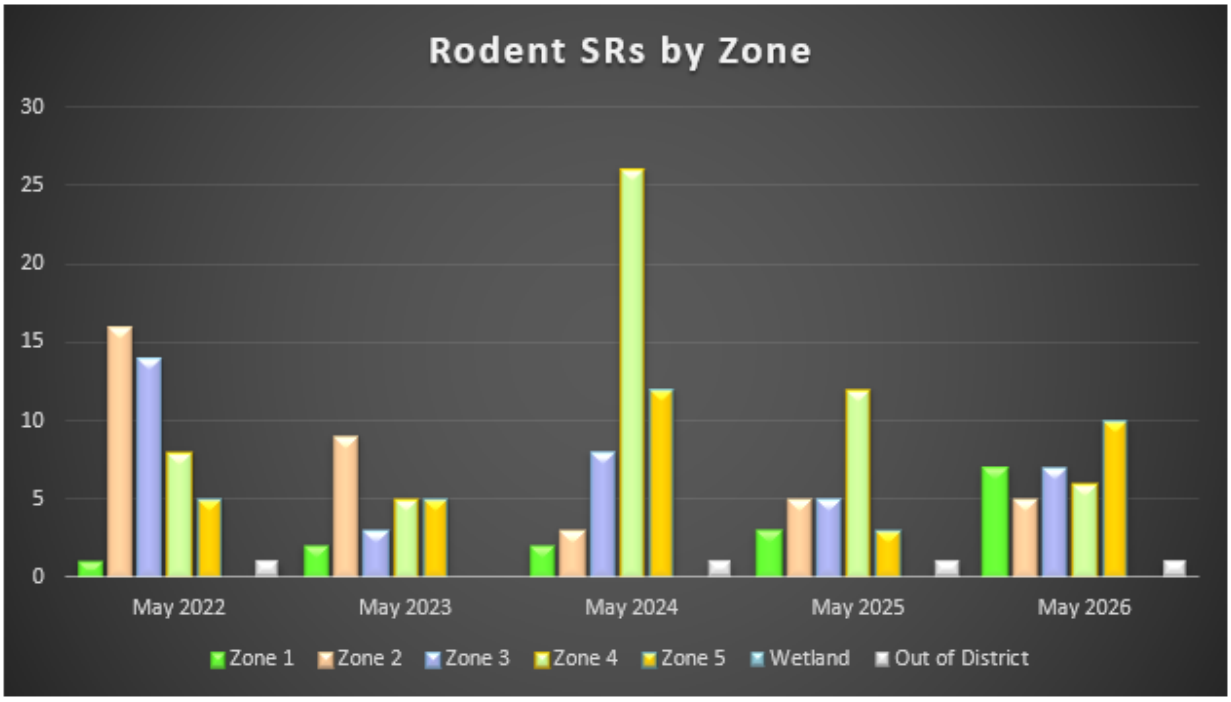
Year	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Wetland	Out of District	Totals
May 2022	8	8	9	10	10	0	1	46
May 2023	11	14	18	20	11	0	7	81
May 2024	6	23	28	17	15	0	12	101
May 2025	3	3	13	13	5	0	2	39
May 2026	20	11	20	21	4	0	5	81
Total	48	59	88	81	45	0	27	348
% of calls received	14%	17%	25%	23%	13%	0%	8%	



Mosquito SR activity in May 2026 remained generally consistent with expected seasonal patterns across the district. A total of 81 SRs were recorded, representing a substantial increase compared to May 2025, when only 39 SRs were received, and matching the 81 SRs recorded in May 2023. While May 2026 remained below the elevated activity recorded in May 2024 (101 SRs), it was notably higher than the five-year May average of approximately 70 SRs, reflecting a 16% increase that suggests mosquito service demand was somewhat above typical seasonal levels district-wide. Zone 4 recorded the highest number of calls in May 2026 with 21 SRs, closely followed by Zone 1 and Zone 3 with 20 SRs each, indicating that service requests were concentrated primarily in these areas during the month.

Rodent SR by Zone

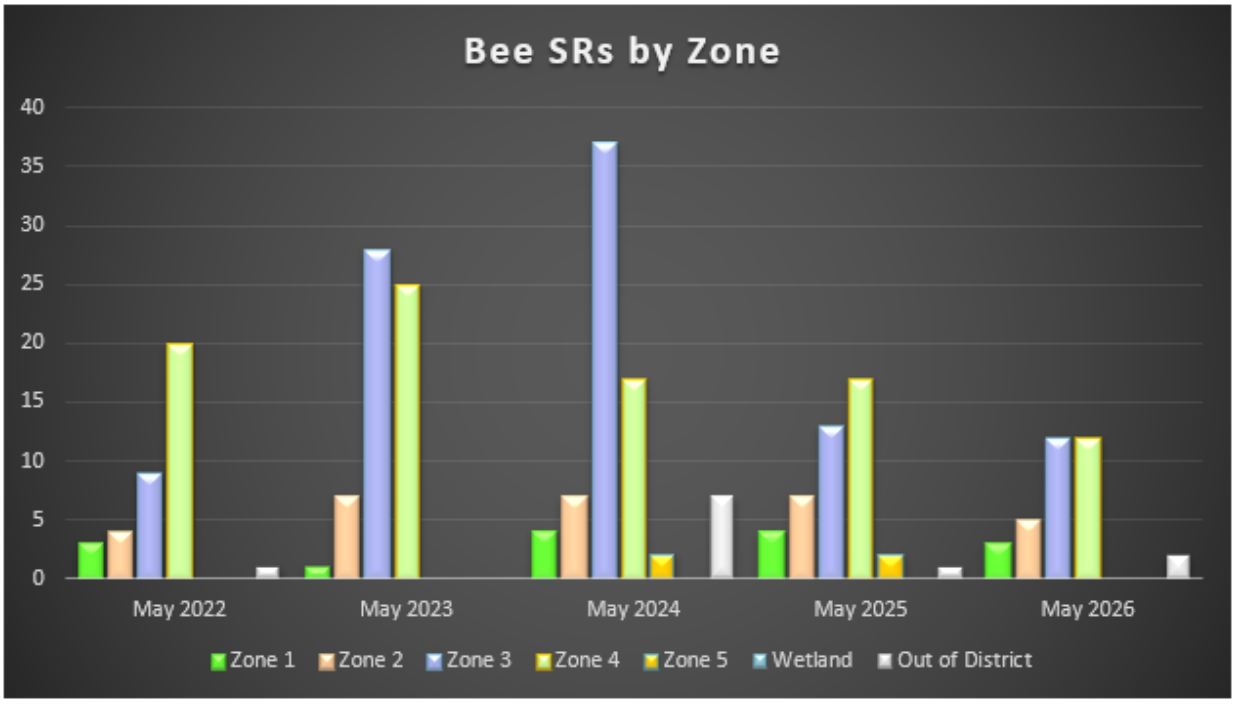
Year	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Wetland	Out of District	Totals
May 2022	1	16	14	8	5	0	1	45
May 2023	2	9	3	5	5	0	0	24
May 2024	2	3	8	26	12	0	1	52
May 2025	3	5	5	12	3	0	1	29
May 2026	7	5	7	6	10	0	1	36
Total	15	38	37	57	35	0	4	186
% of calls received	8%	20%	20%	31%	19%	0%	2%	



Rodent-related SRs in May 2026 totaled 36 calls, reflecting a moderate increase in rodent activity across the district. This represents an increase from May 2025, which recorded 29 SRs, and remained generally consistent with the five-year May average of approximately 37 SRs, indicating that rodent service demand remained near typical seasonal levels district-wide. While activity remained well below the unusually high level observed in May 2024 with 52 SRs, May 2026 showed a noticeable increase compared to the previous year. Zone 5 recorded the highest number of calls in May 2026 with 10 SRs, followed by Zone 1 and Zone 3 with 7 SRs each, while Zone 4 recorded 6 SRs, indicating that rodent-related service requests were concentrated primarily in these areas during the month.

Bee SR by Zone

Year	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Wetland	Out of District	Totals
May 2022	3	4	9	20	0	0	1	37
May 2023	1	7	28	25	0	0	0	61
May 2024	4	7	37	17	2	0	7	74
May 2025	4	7	13	17	2	0	1	44
May 2026	3	5	12	12	0	0	2	34
Total	15	30	99	91	4	0	11	250
% of calls received	6%	12%	40%	36%	2%	0%	4%	



Bee-related SRs in May 2026 totaled 34 calls, reflecting relatively stable bee activity across the district compared to recent years. This represents a slight decrease from May 2025, which recorded 44 SRs, and remains well below the elevated activity levels observed in May 2023 and May 2024, which recorded 61 and 74 SRs, respectively. Compared to the five-year May average of approximately 50 SRs, May 2026 experienced a decrease of about 32%, indicating that bee service demand was notably below normal seasonal levels district-wide. Zones 3 and 4 recorded the highest number of calls in May 2026 with 12 SRs each, accounting for the majority of bee-related service requests during the month. Zone 2 followed with 5 SRs, while Zone 1 recorded 3 SRs, and Zone 5 reported no bee-related service requests.

Source Inspections & Treatments

In May 2026, district staff conducted 3,769 inspections of stagnant water sources and treated 806 sources for mosquito production, with approximately 21% of inspected sources found to be actively producing mosquitoes. Although overall inspection activity declined slightly compared to April, treatment activity increased, reflecting expanding mosquito development associated with warmer temperatures and continued early-season breeding throughout the district. district staff maintained routine surveillance and targeted larval control operations to reduce mosquito abundance and address mosquito-producing sources before peak summer activity.

During May, the District continued its recruitment efforts and welcomed a new full-time technician to fill the vacancy created by the retirement of one of our technicians. Additionally, seasonal interviews were conducted, and five new seasonal technicians were selected to begin work on June 1. With these new hires, the Operations Department will be at full staffing capacity beginning in June. Once the initial training period for the incoming seasonal staff has been completed, we anticipate a substantial increase in the number of mosquito sources inspected and treated. This increase in operational capacity will help ensure that surveillance and control activities keep pace with the expected seasonal rise in mosquito abundance throughout the district.

Zone 1 – Eastvale and Jurupa Valley

In Zone 1, staff conducted 646 inspections and treated 198 sources for mosquito production during May 2026, with approximately 30% of inspected sources found to be actively producing mosquitoes. This represented one of the highest mosquito production rates among all operational zones during the month. Mosquito breeding activity within the zone was most commonly associated with curb and gutter systems, catch basins, storm drains, irrigation ponding, and flood control channels. District staff continued enhanced surveillance and targeted larval control efforts throughout the zone to address elevated mosquito activity and reduce mosquito abundance in residential and urban environments.

Zone 2 – Norco and Western Riverside

In Zone 2, staff conducted 922 inspections and treated 127 sources during May 2026, with approximately 14% of inspected sources found to be actively producing mosquitoes. Mosquito production within the zone was most commonly associated with curb and gutter systems, catch basins, flood control channels, ornamental fountains, and drainage ditches. Routine surveillance and treatment efforts continued throughout the zone to address recurring mosquito-producing sources. A notable improvement was observed at Pierce Brothers Crestlawn Memorial Park, where a new maintenance program has been implemented. Cemetery vases that historically contributed to mosquito production have been emptied and properly stored, reducing standing water sources and improving long-term mosquito prevention efforts at the site.

Zone 3 – City of Riverside

In Zone 3, staff conducted 1,089 inspections and treated 303 sources for mosquito production during May 2026, with approximately 29% of inspected sources found to be actively producing mosquitoes. Mosquito breeding activity within the zone was most frequently associated with curb and gutter systems, catch basins, drainage ditches, and ornamental fountains. The zone continued to experience elevated early-season mosquito activity, which was reflected in consistently high mosquito trap counts throughout May. In response, district staff implemented intensified surveillance, source reduction, and larval control operations to address mosquito production and reduce the risk of continued population growth as seasonal temperatures increase.

Zone 4 – City of Corona

In Zone 4, staff conducted 257 inspections and treated 65 sources during May 2026, with approximately 25% of inspected sources found to be actively producing mosquitoes. Mosquito production within the zone was primarily associated with catch basins, curb and gutter systems, and neglected residential swimming pools. Routine surveillance and targeted larval control applications remained ongoing throughout the month as technicians focused on reducing mosquito production at known recurring sources. Continued early-season mosquito activity resulted in regular treatment and monitoring efforts across the zone.

Zone 5 – Lake Elsinore and Canyon Lake

In Zone 5, staff conducted 360 inspections and treated 68 sources for mosquito production during May 2026, with approximately 19% of inspected sources found to be actively producing mosquitoes. Mosquito breeding activity within the zone was most commonly associated with catch basins, BMPs, drainage ditches, and flood control channels. A notable area of concern continued to be the large flood control channel system connecting Temescal Wash to Lake Elsinore. Persistent standing water within portions of the channel has resulted in continued early-season mosquito production, requiring regular inspections and ongoing larval treatment applications by district staff to prevent mosquito emergence and reduce impacts to nearby residential communities.

Zone 6 – District Wetlands

Zone 6 staff conducted 485 inspections and completed 45 treatments during May 2026, with approximately 9% of inspected sources found to be actively producing mosquitoes. Control efforts continued throughout the district's wetland management areas, with surveillance and treatment activities focused on maintaining mosquito production at manageable levels. Water levels within the back basins in the City of Lake Elsinore remained reduced during May, contributing to a decline in mosquito breeding activity compared to previously reported conditions. These lower water levels have reduced available mosquito habitat and decreased treatment requirements within portions of the wetland system and the low lying areas surrounding them. district staff continued routine monitoring and treatment operations to prevent mosquito development and evaluate changing habitat conditions throughout the area.

West Nile Virus

No West Nile Virus activity was reported for 2026 to date.

Sai**nt Louis encephalitis virus**

No Saint Louis encephalitis virus (SLEV) has been reported for 2026 to date.

Adulticiding

No adult mosquito applications were completed in May 2026.

Field Activities carried out during the month of May 2026

	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Wetlands	Out of District	**Totals**
Mosq. Sources:								
Inspected:	656	922	1089	257	360	485	0	**3769**
Treated:	198	127	303	65	68	45	0	**806**
Percentage breeding:	30%	14%	28%	25%	19%	9%	0%	**21%**
Mosq. Treatment Area:								
Acreage	.48	.65	1.07	.13	8.02	31.81	.00	**42.13 ac.**
Service Requests:								
Mosq.'s	20	11	20	21	4	0	5	**81**
Bees	3	5	12	12	0	0	2	**34**
Rats	7	5	7	6	10	0	1	**36**
Flies	0	0	0	0	1	0	0	**1**
Fish	1	2	0	3	0	0	1	**7**
Misc.	2	5	4	3	1	0	1	**16**
Total	**33**	**28**	**43**	**45**	**16**	**0**	**10**	**175**

Board Meeting: June 18, 2026 Consent Item # 5.C

LABORATORY REPORT

May 2026

Chloe Wang, PhD, Director of Scientific Programs
Greg Williams, Assistant Vector Ecologist
Jessica Coolidge, MSc, BCE, PHE & Jennifer Wong, REHS, Lab Associates

I. Surveillance Program

1. Mosquito Surveillance

Host-Seeking Trap Surveillance

Laboratory staff deployed 235 host-seeking mosquito surveillance traps in May 2026, 216 (92%) of which were BG-Sentinel 2 traps and 19 (8%) of which were BGPro-EVS traps. Mosquito abundance in May has decreased since April, with 87.4 mosquitoes/trap night in May compared to 122.3 mosquitoes/trap night in April. Wetland area abundance consisted primarily of *Cx. erythrothorax* (60.7% of overall total), with *Cx. tarsalis* forming 7.0% of the overall trap catch. Urban areas consisted primarily of *Cx. quinquefasciatus* (20.4% of overall total) and *Ae. aegypti* (2.8% of overall total). See **Table 1** for a summary of host-seeking mosquito surveillance activity.

Table 1. Abundance of adult female mosquitoes captured by CO_2 baited BG-Sentinel 2 and BGPro-EVS traps in May 2026.

Adult Female Mosquito Surveillance: BGSENT + BGPro Traps									
Genus	**Species**	**Zone 1**	**Zone 2**	**Zone 3**	**Zone 4**	**Zone 5**	**Zone 6**	**Total**	**% of Total**
Aedes	*Ae. aegypti*	115	55	327	32	34	10	573	2.8%
	Ae. sierrensis	0	0	0	0	1	1	2	0.0%
	Ae. washinoi	0	0	0	0	7	14	21	0.1%
Anopheles	*An. franciscanus*	0	0	16	0	4	1	21	0.1%
	An. hermsi	99	3	2	2	12	528	646	3.1%
Culiseta	*Cs. incidens*	28	131	498	28	63	15	763	3.7%
	Cs. inornata	0	0	0	0	0	2	2	0.0%
	Cs. particeps	25	8	6	0	6	176	221	1.1%
Culex	*Cx. erythrothorax*	1440	53	174	113	129	10559	12468	60.7%
	Cx. quinquefasciatus	1027	474	1703	257	378	349	4188	20.4%
	Cx. stigmatosoma	43	39	48	18	8	37	193	0.9%
	Cx. tarsalis	106	36	46	82	221	938	1429	7.0%
	Cx. thriambus	0	0	0	0	0	3	3	0.0%
	Total Mosquitoes	**2883**	**799**	**2820**	**532**	**863**	**12633**	**20530**	**100.0%**
	# Traps Set	41	27	82	23	20	42	235	

Gravid Trap Surveillance

Gravid traps are used to target female mosquitoes seeking stagnant water sources to lay eggs. Female mosquitoes collected from gravid trap surveillance can be key indicators of arboviral disease transmission, as they have assuredly had an opportunity to take a bloodmeal, which may have allowed for viral transmission. Gravid trapping commenced in May, with 24 traps set (see Table 2).

Table 2. Abundance of adult female mosquitoes captured by gravid traps set in May 2026.

Adult Female Mosquito Surveillance: Gravid Traps									
Genus	**Species**	**Zone 1**	**Zone 2**	**Zone 3**	**Zone 4**	**Zone 5**	**Zone 6**	**Total**	**% of Total**
Aedes	Ae aegypti	1	0	0	1	0	0	2	0.0%
Culiseta	Cs incidens	1	0	3	0	1	0	5	1.0%
Culex	Cx erythrothorax	0	1	0	0	0	0	1	0.0%
	Cx quinquefasciatus	139	103	126	18	85	0	471	95.0%
	Cx stigmatosoma	3	8	0	0	5	0	16	3.0%
	Cx tarsalis	1	0	0	0	0	0	1	0.0%
	Total Mosquitoes	**145**	**112**	**129**	**19**	**91**	**0**	**496**	**100.0%**
	# Traps Set	6	6	6	3	3	0	24	

2. Arbovirus Surveillance

Dead Bird Surveillance

In 2026, dead bird samples are the first reports of WNV activity in California. As of June 5, 2026, 31 dead bird samples have been tested positive for WNV (6.01% positive out of 516 samples for the state of California) (**Table 3; Figure 2**). In 2026, 0 out of 17 dead bird samples within the District have tested positive for WNV to date.

Table 3. Dead Birds Reported, Tested, and Positive for WNV by County in California in 2026 Year To Date (Source: *http://westnile.ca.gov*)

County	Tested	Positive	% Tested Positive
Riverside	*17*	*0*	*0%*
Los Angeles	35	6	17%
Santa Clara	32	6	19%
Alameda	5	5	100%
Sacramento	97	5	5%
San Diego	66	3	5%
Ventura	10	2	20%
Fresno	9	1	11%
Placer	24	1	4%

San Bernardino	10	1	10%
Yolo	29	1	3%
Others	182	0	0%
State Totals	516	31	6%

WNV Mosquito Pools

In 2026, 0 mosquito pools (out of 48 tested) within the District have tested positive for WNv. Statewide, 10 out of 11,631 (0.09%) mosquito pools in 6 counties have tested positive for WNv by the end of May 2026. Additional update on June 6, 2026: To date, in total of 17 mosquito pools have tested positive for WNv (**Figure 1**): Fresno (3), Los Angeles (7), Orange (1), Riverside (4), Sacramento (1) and San Bernadino (1).

WNV Human Cases

No human cases have been reported (in either state or District) for 2026 year to date (**Figure 1**).

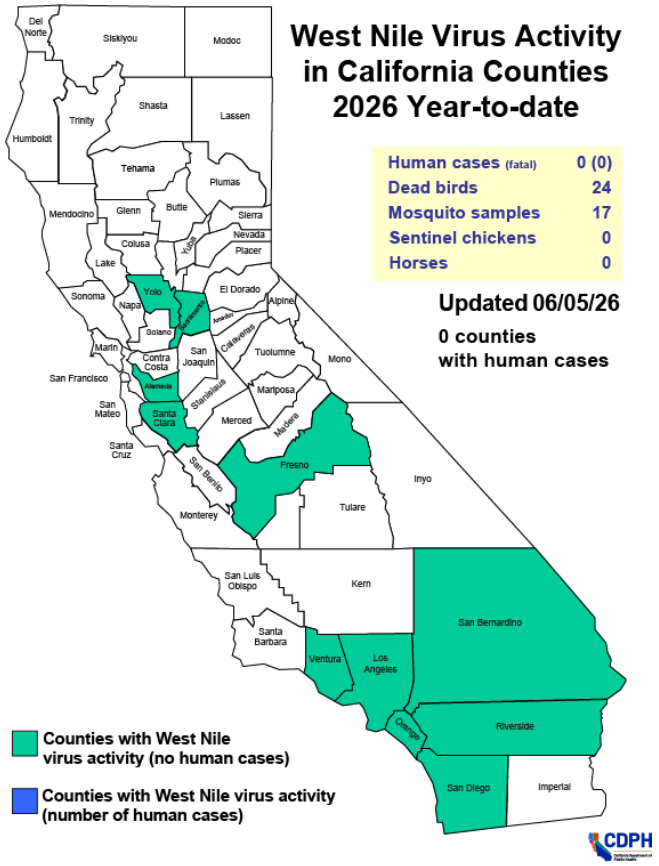


Figure 1. Statewide West Nile Virus activity in California counties for 2026, updated 06/05/2026 (*Source: CDPH, http://westnile.ca.gov*).

Aedes-Associated Disease Incidence

The California Department of Public Health (CDPH) provides monthly updates on human disease cases caused by viruses transmitted by invasive Aedes mosquitoes. The most recent update, current through June 1, 2026**.** To date:

Dengue cases:

Nine symptomatic dengue cases have been reported among California residents: Butte (1), Fresno: (1), Los Angeles (4), San Fransico (1), San Luis Obispo (1), San Mateo (1). All reported cases were associated with travel-related exposure to dengue-endemic areas outside of California. No locally acquired *Aedes*-associated human disease cases have been reported in California or the continental United States.

Chikungunya cases

One symptomatic chikungunya case was reported among California resident in San Fransico.

Zika cases

No Zika infection was reported among California residents.

II. Mosquitofish Program

Mosquitofish Use

The district currently has a mosquitofish program that utilizes the western mosquitofish (*Gambusia affinis*) as a biopesticide to control mosquitoes. The sources controlled are restricted to closed water systems only. Regulatory issues prevent any stocking in water sheds or open water systems that potentially flow into these water sheds. In May, a total of 156 mosquitofish were used by residents (40 fish) and technicians (116 fish). So far, the year-to-date mosquito fish usage is 628, with residents and technicians stocking 237 and 391 fish, respectively (**Figure 2**). Our system currently houses just over 800 fish.

Water Chemistry

In May the nitrification cycle continued to work well. All readings for ammonia, nitrite, and nitrate were zero parts per million. The alkalinity fluctuated mildly between 80 and 110 ppm with the corresponding pH levels staying between 8.2 and 8.4. Small amounts of baking soda were added throughout the month to maintain optimal water chemistry.

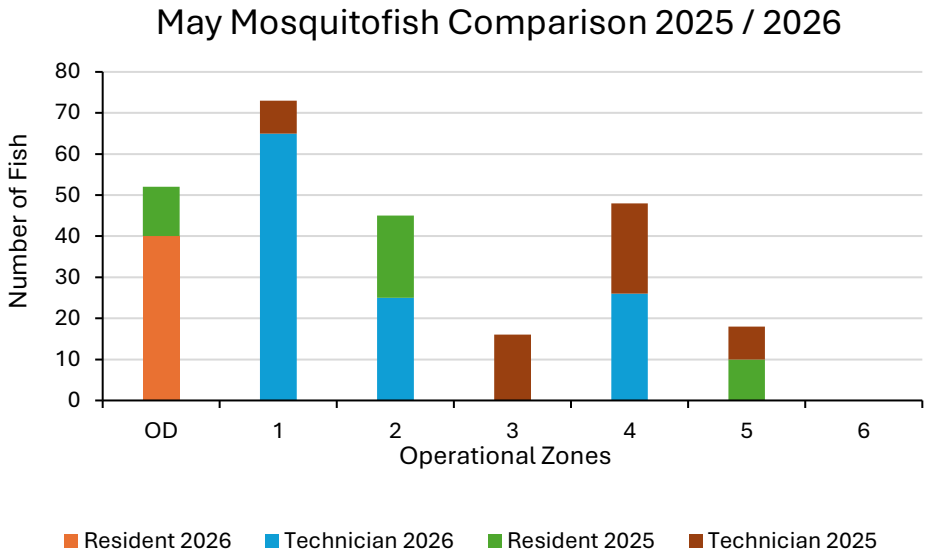


Figure 2. May comparison of number of mosquitofish used for each operational zone in 2025 and 2026.

III. Sterile Insect Technique (SIT) Program

Background and 2025 Pilot Results

Sterile Insect Technique (SIT) is a biological mosquito management method that involves releasing sterilized local male mosquitoes to help reduce invasive mosquito populations as part of an integrated vector management strategy. SIT involves releasing sterilized male mosquitoes to suppress invasive populations as part of an Integrated Vector Management (IVM) strategy. The District is preparing to continue to implement this innovative control method to achieve long-term population reductions and prevent *Aedes*-borne diseases. The public can check the District SIT webpage for more information: Sterile Insect Technique - Northwest Mosquito and Vector Control District.

In 2025, District staff conducted a continuous eight-week pilot program from July to September in the McVicker Canyon area of Lake Elsinore. Approximately 24,000 sterile male Aedes aegypti were released, equivalent to an application rate of 1,600 mosquitoes per acre. Preliminary findings demonstrated the operational feasibility of utilizing outsourced sterile males, proving it to be a cost-effective alternative to establishing in-house rearing and irradiation facilities. Furthermore, the 2025 release provided critical data regarding the survivorship and dispersal patterns of sterile mosquitoes—factors essential for optimizing future release timing, locations, and frequencies.

2026 Expansion and Operational Plan

Building on these findings, the District plans to expand the project in July 2026 to treat two 100-acre neighborhoods (totaling 200 acres), including a target zone and control zone in Riverside City. Riverside City was selected due to its high urban density and a documented higher abundance of

Ae. aegypti mosquitoes within our service zones. The 2026 application schedule will consist of weekly releases spanning 18 weeks.

To evaluate adult lifespan, dispersal range, and local population density prior to the primary rollout, staff will conduct both Single-Point Mark-Release-Recapture (SP-MRR) and Multi-Point MRR (MP-MRR) studies in June 2026.

Monitoring and Trapping Protocols

- During MRR Phases: 16 BG-Sentinel 2 traps will be deployed and monitored daily within the release zones.
- During Routine Weekly Releases: 22 BG-Sentinel 2 traps will transition to a weekly schedule, deployed 48 hours post-release to accurately monitor Ae. aegypti abundance.

Current Timeline and Next Steps

The initial shipment of 20,000 irradiated sterile males, dusted with a UV-reactive fluorescent pigment for tracking, has been scheduled for delivery on June 9, 2026 from Rad Source Technologies, Inc. Upon arrival, the mosquitoes are held overnight in the laboratory insectary under optimal environmental conditions (26°C and 70–75% humidity). The initial SP-MRR release is scheduled to commence on June 10, 2026.

IV. Trials and Other Laboratory Activities

Drone Applications

On April 23rd and 24th, 2026, the District conducted an Unmanned Aerial System (UAS) treatment with Natular G30 (EPA Reg. #839-83) in the cities of Lake Elsinore and Eastvale. This new standard treatment method allows District staff to better manage mosquito populations in inaccessible areas. In Lake Elsinore, this treatment will happen in a portion of the wildlife preserve just south of the lake. While in Eastvale, treatment will take place south of Citrus and east of Harrison near the wetland ponds adjacent to the Santa Ana River (**Figure 3**).

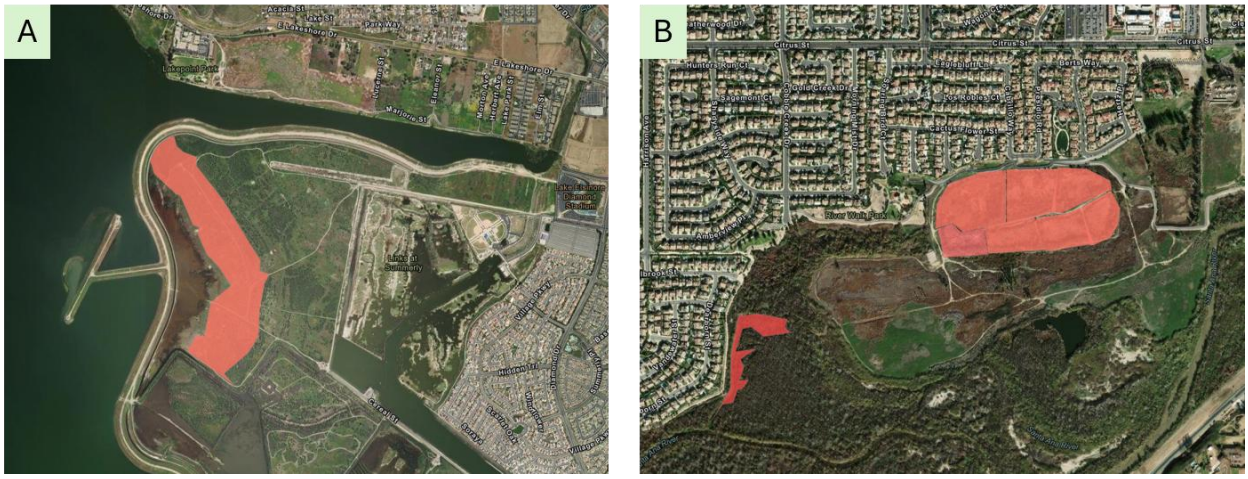


Figure 3. Maps of treatment areas in A) Lake Elsinore and B) Eastvale.

Laboratory staff conducted adult mosquito surveillance for two weeks prior to, and four weeks after the drone treatments to determine treatment efficacy for both treatment areas.

In Lake Elisnore, the population of *Cx. tarsalis* has been very high in the back basin area, while in Eastvale bike trail, *Cx. erythrothorax* mosquitoes were highly abundant. Adult mosquito abundances were significantly decreased after the drone application for both sites (**Figure 4**). Using Mulla's Formula (Formula 1), which is often used in entomology and pest control to measure the percent efficacy or control of a treatment, we observed a 99.8% control of the dominant *Cx. tarsalis* females in the back basin in Lake Elsinore, and 97.7% control of the *Cx. erythrothorax* females in Eastvale. The results demonstrated that the drone application of Natular G30 is an efficient and effective vector control tool in wetlands.

$$\%R = 100 - \left(\frac{C1}{T1}\right) \times \left(\frac{T2}{C2}\right) \qquad \text{Formula 1}$$

R: Percentage of control or reduction

C1: Pre-treatment measurement of the target species in the untreated (control) group.

C2: Post-treatment measurement of the target species in the untreated (control) group.

T1: Pre-treatment measurement in the treated (sprayed) area.

T2: Post-treatment measurement in the treated (sprayed)

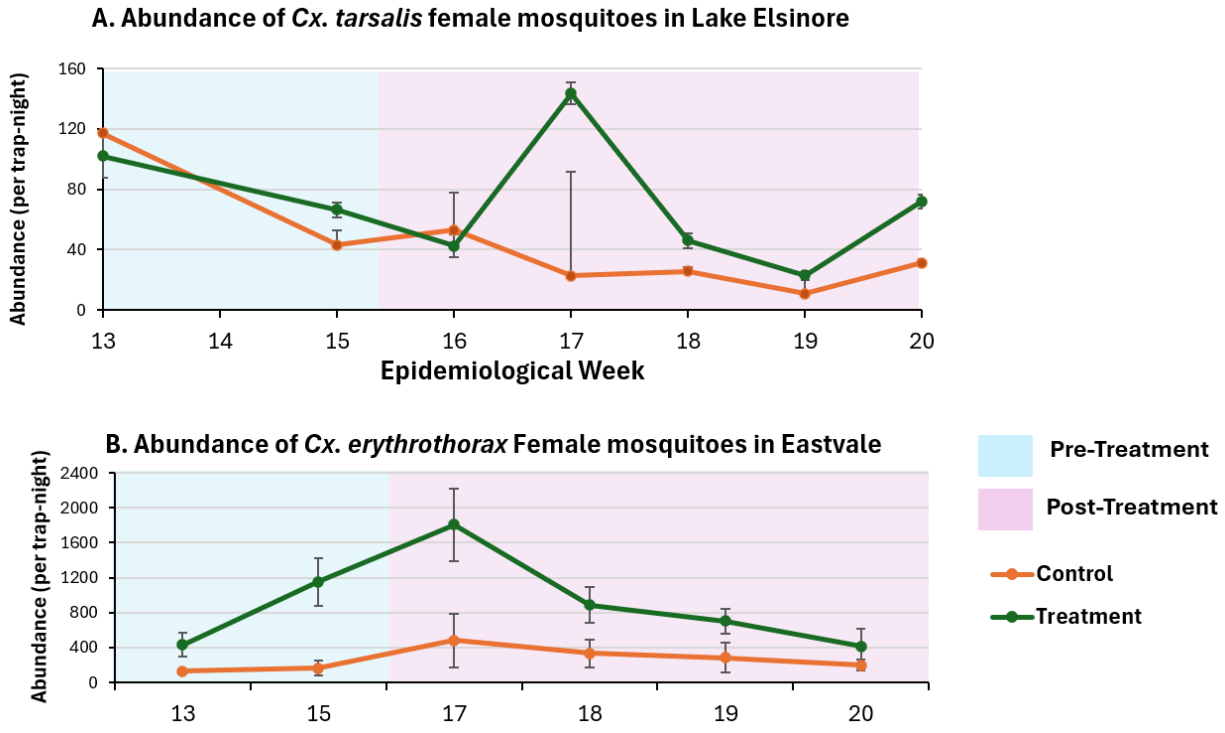


Figure 4. Mosquito abundance in control and treatment areas in A) Lake Elsinore and B) Eastvale. Only the dominant mosquito species were included in the figure.

NWMVCD Treasurer's Dashboard Report - May 2026

Account Balances as of April 30, 2026

Institution	Identification	Percent of Total	Balance
LAIF	Common Investments	87.29%	11,063,472.05
Riverside County	Fund 51255	0.22%	27,769.69
Citizens Business Bank	General Operating Account	9.28%	1,176,570.96
Citizens Business Bank	Payroll Account	1.77%	224,400.78
Citizens Business Bank	Money Market Account	0.09%	11,038.53
VCJPA	Common Investments	1.35%	170,487.00
CalPERS	CERBT (Restricted)	0.00%	-
		100.00%	**$ 12,673,739.01**

MONTHLY REVENUE

Date	Received From	GL Acct #	Description	Amount
05/01/2026	County of Riverside	4700020	Taxes - Current	50,778.36
05/27/2026	County of Riverside	4700020	Taxes - Current	856,532.16
05/15/2026	County of Riverside	4704000	Taxes - Current Sup	16,517.73
05/12/2026	County of Riverside	4752800	Homeowners Tax Relief	6,382.52
05/27/2026	County of Riverside	4770100	Special Assessments	637,859.65
05/11/2026	Southwest Resource Management	4777520	Charges for Current Services	4,647.06
05/11/2026	Orange County Water District	4777520	Charges for Current Services	59.97
05/11/2026	Riverside County Parks	4777520	Charges for Current Srvcs	451.17
05/31/2026	Other Interest	4740032	Interest	0.88
			Total	**$ 1,573,229.50**

MONTHLY EXPENSES

Account Number	Category	Amount
1-510040	Salaries - Regular	155,454.34
1-510080	Salaries - Extra Help	28,087.29
1-510320	Salaries - Temporary	800.00
1-513000	Retirement - PERS	18,632.40
1-513120	Retirement - OASDI	10,548.43
1-513130	Retirement - 401a	4,310.89
1-513140	Payroll Tax - Medicare	2,466.93
1-515080	Insurance -Employee Group	37,970.02
1-515260	Insurance - Unemployment	1,665.01
2-524500	Operational expenses	22,510.97
2-524520	Administrative expenses	16,960.78
2-529540	Utilities	7,040.12
9-546020	Structure/Improvement	-
	Total	**$ 306,447.18**

Account Balances as of May 31, 2026

Institution	Identification	Percent of Total	Balance
LAIF	Common Investments	79.40%	11,063,472.05
Riverside County	Fund 51255	0.20%	27,769.69
Citizens Business Bank	General Operating Account	17.90%	2,494,339.41
Citizens Business Bank	Payroll Account	1.20%	166,990.64
Citizens Business Bank	Money Market Account	0.08%	11,039.41
VCJPA	Common Investments	1.22%	170,487.00
CalPERS	CERBT (Restricted)	0.00%	-
		100.00%	**$ 13,934,098.20**

Notes to the Treasurers Report:

Variance	**$ 6,423.13**
Change in AP from Prior Month	(1,967.71)
Change in AR from Prior Month	(4,961.20)
Change in Payroll Liabilities from Prior Month	505.78
Capital Expenditures	-
Adjusted Variance	**$ (0.00)**

7.A. **Recommendation to approve a Cost-of-Living Adjustment (COLA), adopt the updated Salary Schedule, and approve and adopt Resolution No. 612.**

Attached is Resolution No. 612 approving a Cost-of-Living Adjustment (COLA) for District employees, increasing the District's 401(a) matching contribution for eligible employees, and adopting the District's Salary Schedule attached as Exhibit A.

California law, specifically as provided in Title 2 of the California Code of Regulations, Section 570.5, requires that agencies that are members of the California Public Employees' Retirement System ("CalPERS") publish and maintain a salary schedule that details the pay scale for all authorized positions. Resolution No. 612 includes an updated Salary Schedule attached as Exhibit A reflecting the approved 2.4% Cost-of-Living Adjustment (COLA) and current compensation rates for all authorized District positions. Adoption of the Salary Schedule ensures the District remains compliant with applicable CalPERS regulations and accurately reflects the compensation rates for all authorized positions.

The Salary Schedule attached as Exhibit A incorporates a 2.4% Cost-of-Living Adjustment (COLA) effective July 11, 2026, for full-time employees, seasonal staff, and temporary employees and establishes the salary ranges and step structure for all authorized District classifications. The proposed compensation adjustments also include an increase in the District's 401(a) matching contribution for eligible full-time employees participating in the District's 457(b) deferred compensation plan, increasing the current match from 3% up to a maximum of 4%, effective July 11, 2026, coinciding with the first pay period of Fiscal Year 2026/2027.

Recommendation:

It is the Assistant District Manager's recommendation that the Board of Trustees approve a 2.4% Cost-of-Living Adjustment (COLA) for full-time employees and seasonal staff, approve the increase in the District's 401(a) matching contribution from 3% to a maximum of 4% for eligible employees participating in the District's 457(b) deferred compensation plan, adopt the Salary Schedule attached as Exhibit "A" effective July 11, 2026, and approve and adopt Resolution No. 612.

NORTHWEST MOSQUITO AND VECTOR CONTROL DISTRICT
SALARY SCHEDULE APPROVED 6/18/2026
EFFECTIVE 7/11/2026
Incorporating a 2.4% COLA increase

Position		Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9	Step 10
											DM eff. 7/13/2026
District	monthly										$ 21,289.74
Manager	bi-weekly										$9,826.03
Manager	hourly										$122.83
Director	monthly	$ 8,992.60	$ 9,157.86	$ 9,868.48	$ 10,302.58	$ 10,743.09	$ 11,179.75	$ 11,615.12	$ 12,051.78	$ 12,489.72	$ 12,927.67
Of	bi-weekly	$4,150.43	$4,226.70	$4,554.68	$4,755.04	$4,958.35	$5,159.88	$5,360.82	$5,562.36	$5,764.49	$5,966.62
Administration	hourly	$51.88	$52.83	$56.93	$59.44	$61.98	$64.50	$67.01	$69.53	$72.06	$74.58
Director of	monthly	$ 9,442.23	$ 9,615.75	$ 10,361.91	$ 10,817.71	$ 11,280.25	$ 11,738.73	$ 12,195.87	$ 12,654.38	$ 13,114.20	$ 13,574.05
Scientific	bi-weekly	$4,357.95	$4,438.04	$4,782.42	$4,992.79	$5,206.27	$5,417.88	$5,628.86	$5,840.48	$6,052.71	$6,264.95
Programs	hourly	$54.47	$55.48	$59.78	$62.41	$65.08	$67.72	$70.36	$73.01	$75.66	$78.31
Secretary	monthly	$ 4,692.80	$ 4,941.97	$ 5,187.25	$ 5,436.41	$ 5,685.56	$ 5,932.13	$ 6,180.00	$ 6,429.15	$ 6,677.01	$ 6,924.88
	bi-weekly	$2,165.91	$2,280.91	$2,394.12	$2,509.11	$2,624.10	$2,737.91	$2,852.31	$2,967.30	$3,081.70	$3,196.10
	hourly	$27.07	$28.51	$29.93	$31.36	$32.80	$34.22	$35.65	$37.09	$38.52	$39.95
Assistant	monthly	$ 7,960.04	$ 8,273.41	$ 8,584.20	$ 8,893.71	$ 9,208.36	$ 9,520.45	$ 9,829.96	$ 10,142.04	$ 10,452.84	$ 10,764.92
Vector	bi-weekly	$3,673.86	$3,818.50	$3,961.94	$4,104.79	$4,250.01	$4,394.05	$4,536.90	$4,680.94	$4,824.39	$4,968.42
Ecologist	hourly	$45.92	$47.73	$49.52	$51.31	$53.13	$54.93	$56.71	$58.51	$60.30	$62.11
Communications	monthly	$ 7,475.42	$ 7,740.17	$ 8,004.92	$ 8,266.02	$ 8,533.22	$ 8,799.19	$ 9,061.50	$ 9,328.70	$ 10,095.81	$ 10,371.92
Specialist	bi-weekly	$3,450.19	$3,572.39	$3,694.58	$3,815.09	$3,938.41	$4,061.16	$4,182.23	$4,305.55	$4,659.60	$4,787.04
	hourly	$43.13	$44.65	$46.18	$47.69	$49.23	$50.76	$52.28	$53.82	$58.25	$59.84
Lab Associate	monthly	$ 6,529.33	$ 6,790.03	$ 7,061.03	$ 7,344.86	$ 7,638.96	$ 7,943.33	$ 8,261.84	$ 8,591.90	$ 9,108.19	$ 9,655.30
	bi-weekly	$3,013.54	$3,133.86	$3,258.94	$3,389.94	$3,525.67	$3,666.15	$3,813.16	$3,965.49	$4,203.78	$4,456.29
	hourly	$37.67	$39.17	$40.74	$42.37	$44.07	$45.83	$47.66	$49.57	$52.55	$55.70
Dir. of	monthly	$ 9,891.86	$ 10,073.64	$ 10,855.32	$ 11,332.84	$ 11,817.40	$ 12,297.72	$ 12,776.63	$ 13,256.96	$ 13,738.69	$ 14,220.44
Operations	bi-weekly	$4,565.47	$4,649.37	$5,010.15	$5,230.54	$5,454.18	$5,675.87	$5,896.91	$6,118.60	$6,340.93	$6,563.28
Assistant Mgr.	hourly	$57.07	$58.12	$62.63	$65.38	$68.18	$70.95	$73.71	$76.48	$79.26	$82.04
Operations	monthly	$ 7,288.34	$ 7,582.45	$ 7,862.43	$ 8,151.40	$ 8,439.06	$ 8,730.60	$ 9,013.16	$ 9,302.13	$ 9,591.09	$ 9,877.47
Maintenance	bi-weekly	$3,363.85	$3,499.59	$3,628.81	$3,762.18	$3,894.95	$4,029.51	$4,159.92	$4,293.29	$4,426.66	$4,558.83
Technician	hourly	$42.05	$43.74	$45.36	$47.03	$48.69	$50.37	$52.00	$53.67	$55.33	$56.99
Field Sup.	monthly	$ 7,868.86	$ 8,147.54	$ 8,426.23	$ 8,701.07	$ 8,982.33	$ 9,262.31	$ 9,538.42	$ 9,819.69	$ 10,095.81	$ 10,371.92
	bi-weekly	$3,631.78	$3,760.40	$3,889.03	$4,015.88	$4,145.69	$4,274.91	$4,402.35	$4,532.16	$4,659.60	$4,787.04
	hourly	$45.40	$47.01	$48.61	$50.20	$51.82	$53.44	$55.03	$56.65	$58.25	$59.84
VCT-II	monthly	$ 7,154.78	$ 7,406.50	$ 7,659.50	$ 7,912.51	$ 8,164.24	$ 8,422.38	$ 8,672.82	$ 8,925.82	$ 9,176.26	$ 9,430.54
	bi-weekly	$3,302.21	$3,418.38	$3,535.15	$3,651.93	$3,768.11	$3,887.25	$4,002.84	$4,119.61	$4,235.20	$4,352.56
	hourly	$41.28	$42.73	$44.19	$45.65	$47.10	$48.59	$50.04	$51.50	$52.94	$54.41
VCT-I	monthly	$ 3,300.64	$ 3,436.76	$ 3,727.01	$ 3,910.68	$ 4,108.45	$ 4,306.23	$ 4,505.29	$ 4,705.65	$ 4,902.14	$ 5,117.89
	bi-weekly	$1,523.37	$1,586.20	$1,720.16	$1,804.93	$1,896.21	$1,987.49	$2,079.36	$2,171.84	$2,262.53	$2,362.10
	hourly	$19.04	$19.83	$21.50	$22.56	$23.70	$24.84	$25.99	$27.15	$28.28	$29.53
Administrative	monthly	$ 3,300.64	$ 3,436.76	$ 3,727.01	$ 3,910.68	$ 4,108.45	$ 4,306.23	$ 4,505.29	$ 4,705.65	$ 4,902.14	$ 5,117.89
Assistant I	bi-weekly	$1,523.37	$1,586.20	$1,720.16	$1,804.93	$1,896.21	$1,987.49	$2,079.36	$2,171.84	$2,262.53	$2,362.10
	hourly	$19.04	$19.83	$21.50	$22.56	$23.70	$24.84	$25.99	$27.15	$28.28	$29.53
Lab Assistant	monthly	$ 3,300.64	$ 3,436.76	$ 3,727.01	$ 3,910.68	$ 4,108.45	$ 4,306.23	$ 4,505.29	$ 4,705.65	$ 4,902.14	$ 5,117.89
	bi-weekly	$1,523.37	$1,586.20	$1,720.16	$1,804.93	$1,896.21	$1,987.49	$2,079.36	$2,171.84	$2,262.53	$2,362.10
	hourly	$19.04	$19.83	$21.50	$22.56	$23.70	$24.84	$25.99	$27.15	$28.28	$29.53
Lab Assistant	monthly	$ 3,995.42	$ 4,225.32	$ 4,457.78	$ 4,685.11	$ 4,918.84	$ 5,148.71	$ 5,378.60	$ 5,608.50	$ 5,840.95	$ 6,072.13
Special	bi-weekly	$1,844.04	$1,950.15	$2,057.44	$2,162.36	$2,270.23	$2,376.33	$2,482.43	$2,588.54	$2,695.82	$2,802.52
	hourly	$23.05	$24.38	$25.72	$27.03	$28.38	$29.70	$31.03	$32.36	$33.70	$35.03
Temporary	monthly	$ 3,083.59	$ 3,179.91	$ 3,274.95	$ 3,376.40	$ 3,472.72	$ 3,571.61	$ 3,667.93	$ 3,765.54	$ 3,864.43	$ 3,960.75
	bi-weekly	$1,423.20	$1,467.65	$1,511.52	$1,558.34	$1,602.79	$1,648.44	$1,692.89	$1,737.94	$1,783.58	$1,828.04
	hourly	$17.79	$18.35	$18.89	$19.48	$20.03	$20.61	$21.16	$21.72	$22.29	$22.85
Temporary	monthly	$ 6,822.14	$ 7,427.05	$ 8,035.81	$ 8,642.01	$ 9,248.17	$ 9,851.79	$ 10,456.69	$ 11,068.01	$ 11,675.47	$ 12,282.94
Specialized	bi-weekly	$3,148.68	$3,427.87	$3,708.84	$3,988.62	$4,268.39	$4,546.98	$4,826.16	$5,108.31	$5,388.68	$5,669.05
Employee	hourly	$39.36	$42.85	$46.36	$49.86	$53.35	$56.84	$60.33	$63.85	$67.36	$70.86
Janitor	monthly	$ 3,300.64	$ 3,436.76	$ 3,727.01	$ 3,910.68	$ 4,108.45	$ 4,306.23	$ 4,505.29	$ 4,705.65	$ 4,902.14	$ 5,117.89
	bi-weekly	$1,523.37	$1,586.20	$1,720.16	$1,804.93	$1,896.21	$1,987.49	$2,079.36	$2,171.84	$2,262.53	$2,362.10
	hourly	$19.04	$19.83	$21.50	$22.56	$23.70	$24.84	$25.99	$27.15	$28.28	$29.53

RESOLUTION NO. 612

A RESOLUTION OF THE NORTHWEST MOSQUITO & VECTOR CONTROL DISTRICT APPROVING A COST-OF-LIVING ADJUSTMENT, APPROVING AN INCREASE TO THE DISTRICT'S 401(a) MATCHING CONTRIBUTION, AND ADOPTING THE DISTRICT SALARY SCHEDULE

WHEREAS, Title 2 of the California Code of Regulations, Section 570.5, requires agencies participating in the California Public Employees' Retirement System ("CalPERS") to maintain and publicly adopt a salary schedule that identifies the pay rates for all authorized positions; and

WHEREAS, the Northwest Mosquito & Vector Control District periodically reviews employee compensation and benefits to ensure competitive compensation, support employee recruitment and retention, and maintain compliance with applicable laws and regulations; and

WHEREAS, the Board of Trustees has reviewed the proposed Fiscal Year 2026/2027 compensation adjustments, including a 2.4% Cost-of-Living Adjustment ("COLA") for all employees; and

WHEREAS, the Board of Trustees has reviewed a proposed increase in the District's matching contribution for eligible employees, defined as full-time employees participating in the District's 457(b) deferred compensation plan, from 3% to a maximum of 4%, with such matching contributions deposited into the employee's 401(a) plan; and

WHEREAS, the Board of Trustees has reviewed the Salary Schedule attached hereto as Exhibit A, effective July 11, 2026, incorporating the approved COLA and reflecting the compensation rates for all authorized District positions.

NOW, THEREFORE, the Northwest Mosquito & Vector Control District ("District") hereby resolves as follows:

SECTION 1. The District hereby approves a 2.4% Cost-of-Living Adjustment (COLA) for full-time employee, seasonal, and temporary staff, effective July 11, 2026.

SECTION 2. The District hereby approves an increase in the District's 401(a) matching contribution for eligible employees participating in the District's 457(b) deferred compensation plan from 3% to a maximum of 4%, with matching contributions deposited into the employee's 401(a) plan , effective July 11, 2026.

SECTION 3. The District hereby adopts the Salary Schedule attached hereto as Exhibit A, effective July 11, 2026, as the official Salary Schedule of the Northwest Mosquito & Vector Control District for purposes of compliance with Title 2, California Code of Regulations, Section 570.5 and applicable CalPERS requirements.

RESOLUTION NO. 612

ADOPTED this 25th day of June, 2026.

AYES:

NOES:

ABSENT:

ABSTAIN:

_____
Nancy Jimenez-Hernandez, President
Board of Trustees
Northwest Mosquito and Vector Control District

CERTIFICATE

STATE OF CALIFORNIA)

) §

COUNTY OF RIVERSIDE)

I, Dr. T. Steven Su, Secretary of the Board of Trustees of the Northwest Mosquito and Vector Control District, do hereby certify the foregoing Resolution of the Board of Trustees of the Northwest Mosquito and Vector Control District was duly passed and adopted at a Special Meeting of the Board of Trustees held on June 25, 2026

_____
T. Steven Su, Secretary
Board of Trustees
Northwest Mosquito and Vector Control District

DATED: June 25, 2026