

Regular Meeting #800
Northwest Mosquito and Vector Control District
October 15, 2026

AGENDA

REGULAR MEETING #800

NORTHWEST MOSQUITO AND VECTOR CONTROL DISTRICT

1966 COMPTON AVENUE, CORONA, CA 92881

Thursday, October 15, 2026

Zoom Teleconference Information

Meeting ID: 389 155 8737

Trustee Silva will be attending remotely from the City of Jurupa Valley City Hall, 8930 Limonite Ave. Jurupa Valley, CA 92509. Members of the public may attend the meeting at this location. A copy of this agenda is posted at City of Jurupa Valley City Hall.

- 1. Call to Order:** 3:00 PM
- 2. Pledge of Allegiance:** Trustee Falcone
- 3. Roll Call/Introductions:**
- 4. Public Comments:** This is the time when person(s) in the audience who wish to directly address the Board regarding items listed on this agenda or other items within the subject matter jurisdiction of the Board may speak. If your comments pertain to a specific agenda item, please identify the agenda item. A member of the public will be allowed up to three minutes to address the Board (six minutes if the individual providing comment utilizes a translator). Individuals may not share their time with another speaker. Written public comments received by the District will not be read aloud unless a member of the public chooses to utilize their speaking time to read a written comment. Individuals attending the meeting via Zoom may make public comment by using the “raise hand” feature to indicate their desire to speak. Please wait until you are called on to speak. The Board may not take action on or discuss items not appearing on the posted agenda.

5. Consent Calendar: All items under the Consent Calendar are considered routine and may be enacted by one motion unless a request is made that an item be removed from the Consent Calendar for consideration by a separate action.

A. Minutes Regular Meeting No. 799, September 17, 2026

B. September 2026 Operational Report/Field Activities

C. September 2026 Laboratory Report

D. September 2026 Treasures Dashboard Report

6. Presentations:

A. None

7. Closed Session:

A. Conference With Legal Counsel – Existing Litigation (Gov’t Code § 54956.9(d)(1))
Case: Hopkins / Northwest Mosquito & Vector Control District (CRD Case No. 202506-29918919)

B. Public Employee Performance Evaluation (Gov’t Code § 54957)
Position: District Manager

C. Conference with Labor Negotiators (Gov’t Code § 54957.6)
District Representative: Erica Vega, Legal Counsel
Unrepresented Employee: District Manager

8. Action Items:

A. Discuss and provide direction to staff regarding the inclusion of virtual meeting access information on future Board of Trustees meeting agendas.

B. Resolution 613 Amending Resolution 606 to Extend District Manager's Temporary Modified Work Schedule During Military Leave.

9. Reports:

A. Trustees:

B. District Manager:

C. Staff:

10. Informational Items:

A. None

11. Other Business:

A. Requests for future agenda items

12. Adjournment: The next meeting will be Thursday, November 19, 2026, at 3:00 PM, located at 1966 Compton Avenue, Corona, California.

NOTICES

Americans with Disabilities Act: It is the intent of the Northwest Mosquito and Control District (NWMVCD) to comply with all applicable aspects of the Americans with Disabilities Act. If you need a modification or accommodation to participate in a Board of Trustees meeting due to a disability, including but not limited to auxiliary aids or services and provision of the agenda and agenda packet in alternative formats, please contact the District at (951) 340-9792 at least 48 hours prior to the meeting. NWMVCD will attempt to reasonably accommodate your request.

Agenda Materials: This agenda, the staff reports and other documents constituting the agenda packet, and any additional public records distributed to the Board related to an open session agenda item after the agenda packet is published 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 the agenda is posted.

Written Comments: In addition to the opportunity to provide verbal public comment during the meeting, members of the public may submit public comments on any agenda item or non-agenda items within the subject matter jurisdiction of the Board in writing by mail, e-mail or personal delivery. Mailed and e-mailed public comments must be received two hours before the start of the meeting to be entered into the record of the meeting. Mailed or personally delivered written public comment may be sent or personally delivered to the District's office at 1966 Compton Avenue, Corona, CA 92881. E-mailed public comments may be sent to board@northwestmvcd.org. The District does not accept written public comment via Zoom.

Minutes for Special Board Meeting #799
Board of Trustees
Northwest Mosquito and Vector Control District

Time: 3:00 PM, Thursday, September 17th, 2026

Place: Northwest Mosquito and Vector Control District

1966 Compton Avenue Corona, CA 92881

Zoom Teleconference Meeting ID: 389 155 8737

Trustees Present: Nancy Jiménez	Corona	Board President
Guillermo Silva	Jurupa Valley	Board Vice President
Steven Su, Ph.D.	Riverside County	Board Secretary
Clint Lorimore	Eastvale	Trustee
Brian Tisdale	Lake Elsinore	Trustee
Gregory Bowen	Norco	Trustee
Dale Welty	Canyon Lake	Trustee
Philip Falcone	Riverside	Trustee

Trustees Absent: None

Staff Present: Nikia Smith, Interim Assistant District Manager/ Director of Operations (DOO)

Chloe Wang, Ph.D. Director of Scientific Programs (DOSP), Eric Ballejos, Director of Administration (DOA), Alexa Christopher, Communications Specialist

Others Present: Erica Vega, District Counsel, City of Jurupa Valley, Public, Teamsters, Boardroom, Counsel, Counsell, TEAMSTERS

1. Call to order:

Board President Nancy Jiménez called the meeting to order at 3:03 PM.

2. Pledge of Allegiance:

The Pledge of Allegiance was led by Trustee Su.

3. Roll call and introductions:

At the time of roll call, Trustees Jiménez, Su, Tisdale, Lorimore, Bowen, Falcone, Bowen, staff members Nikia Smith, Chloe Wang, Eric Ballejos, and Alexa Christopher were present. Trustee Silva participated remotely from the City of Jurupa Valley City Hall.

4. Public comments:

Written public comment was given. The full text of the speaker's statements is appended to these minutes as Attachment A.

5. Consent Calendar:

Trustee Lorimore moved to approve all items on the Consent Calendar; Trustee Falcone seconded. The motion passed unanimously by roll call vote: yes, by Trustees Jiménez, Su, Tisdale, Welty, Lorimore, Falcone, Bowen, and Silva.

6. Presentation:

7. Items for action:

A. Closed Session: Public Employee Performance Evaluation

(Gov't Code §54957)

Position: District Manager

Conference with Labor Negotiators (Gov't Code §54957.6)

District Representative: Erica Vega, Legal Counsel

Unrepresented Employee: District Manager

The board entered closed session at 3:09 PM. The board reconvened open session at 3:37 PM. Reportable Action: No reportable action came from closed session.

8. Reports:

Trustees: Trustee Jiménez thanked staff for efforts on social media. Asked fellow Trustees to share the District's social media posts to increase views.

Trustee Silva mentioned he had been contacted about increased mosquito abundance around schools in Jurupa Valley. Staff will contact the school district to schedule inspections.

District Manager: None

Staff: Staff provided an update regarding current West Nile virus activity within the District's service area. The Board received and filed the report. No action was taken.

9. Informational:

None

10. Other Business

None

11. Adjournment:

The meeting was adjourned by Board President Nancy Jiménez at 3:56 PM. The next scheduled meeting will be on October 15th, 2026, at 3:00 PM, in the District Boardroom.

Good afternoon Board Members,

The public deserves accountability, not excuses. For years, there have been employee complaints alleging discriminatory conduct, harassment, and a hostile work environment. There are serious concerns that the internal investigations have not been impartial, but instead were used to minimize liability and protect the District from the consequences of management's inaction. That inaction has enabled this conduct and weakened public trust.

The Board's complacency is also concerning. Some members appear to benefit from excessive premium travel, conference spending, and other perks that do not seem to provide a meaningful return to District residents. It is worth asking whether these trips are truly necessary, especially when some reports back to the Board look more like vacation presentations than useful information. Surrounding District boards do not appear to travel this way, and their budgets are not remotely comparable to what this Board approves. I urge you to conduct an objective review of surrounding District travel policies and spending on travel, conferences, meetings, and out-of-country trips. You should also seriously consider remote attendance where appropriate to reduce waste and restore public confidence.

There is also a real conflict-of-interest concern when the District Manager Mark Breidenbaugh provides travel benefits that may affect impartiality in complaints, discipline, and enforcement of state and federal law. The District must not allow management to shield illegal conduct or noncompliance. The District Manager Mark Breidenbaugh has caused serious harm to the District, and that harm has damaged public trust beyond repair unless the Board acts decisively.

I also note that the District Manager Mark Breidenbaugh is currently out on leave. A fair and objective performance evaluation cannot be done while he is excessively absent and not meaningfully engaged. The Board should extend the evaluation period to reflect the time he has been on leave and assess actual performance or lack thereof, not a distorted snapshot.

Finally, while the District Manager Mark Breidenbaugh is out, the Director of Operations Nikia Smith has been placed in the Acting District Manager role. That transition raises concerns given prior issues regarding her poor leadership and her

involvement in conduct previously described by employees as contributing to a harassing and hostile work environment. That makes it even more important that the Board apply independent judgment, document performance carefully, and avoid allowing favoritism or retaliation to influence leadership decisions. The public expects integrity, independence, ethical leadership, and accountability. It is time the Board delivers that.

Thank you.

Public Comment #2: Action Item #7.A

Dear President and Members of the Board:

I am submitting this formal request that the Board conduct an independent investigation into the performance and conduct of District Manager Mark Breidenbaugh and consider appropriate disciplinary action, up to and including termination.

This request is based on continuing concerns regarding the District Manager's management, attendance, treatment of employees, exercise of authority, and compliance with District policies and applicable law. The concerns include, but are not limited to:

- Poor and inadequate job performance;
- Excessive absences and/or abuse of remote work;
- Failure to provide reliable management and operational oversight;
- Harassing, intimidating, abusive, or inappropriate conduct toward employees or members of the public;
- Creating or contributing to a toxic, hostile, intimidating, or retaliatory work environment;
- Retaliation, or apparent retaliation, against individuals who raised concerns, reported misconduct, participated in investigations, or exercised legally protected rights;
- Abuse or misuse of managerial authority;
- Inconsistent, unfair, or discriminatory treatment of employees;
- Failure to follow District policies, procedures, personnel rules, and established management protocols;

- Failure to comply with applicable state and federal laws and regulations;
- Conduct that has damaged employee morale, operational effectiveness, public confidence, and the District's ability to function properly.

These concerns are not based on a single incident. They reflect a pattern that warrants prompt Board review.

The employees had no reasonable alternative but to unionize with the Teamsters in order to obtain fair representation, protect themselves from retaliation, address ongoing workplace concerns, and establish a formal process for resolving disputes. The decision to unionize was not made lightly; it resulted from employees' continuing concerns about management practices, workplace conditions, inconsistent treatment, and the lack of an effective internal avenue for addressing those issues.

The public and District employees deserve better: competent, accountable, and respectful leadership that serves the District's best interests.

Thank you for your time.

Public Comment #3: Action Item #7. A Provided in Zoom Chat

Public comment 7.A. Please hold off on the District Manager's performance evaluation, and/or consider termination for serious and egregious violations. Please take into account and consider the current impartial investigation. The State of California Civil Rights Department is currently investigating the District regarding allegations of harassment, discrimination, retaliation, a hostile and toxic work environment, and illegal non-compliance with state and federal law by the District Manager Mark Breidenbaugh. Does every Board member know that the State of California Civil Rights Department is currently investigating the District and District Manager Mark Breidenbaugh? The public deserves responsible, accountable, and effective leadership, and District employees deserve a respectful, safe, and productive workplace. Thank you for your attention to this matter.

OPERATIONS REPORT

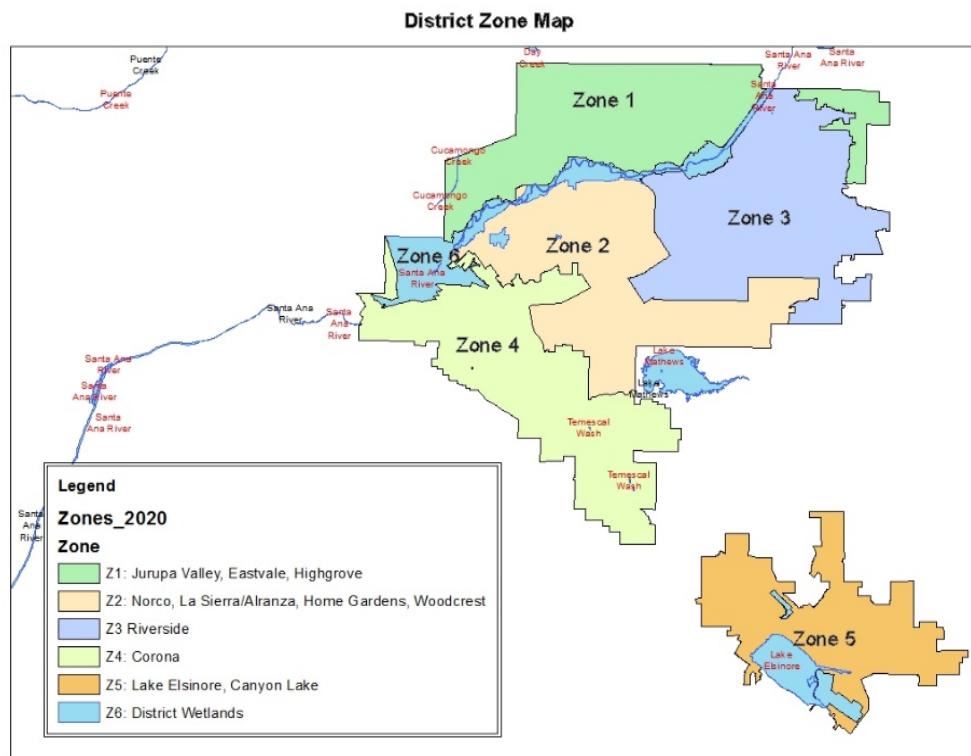
September 2026

Nikia Smith

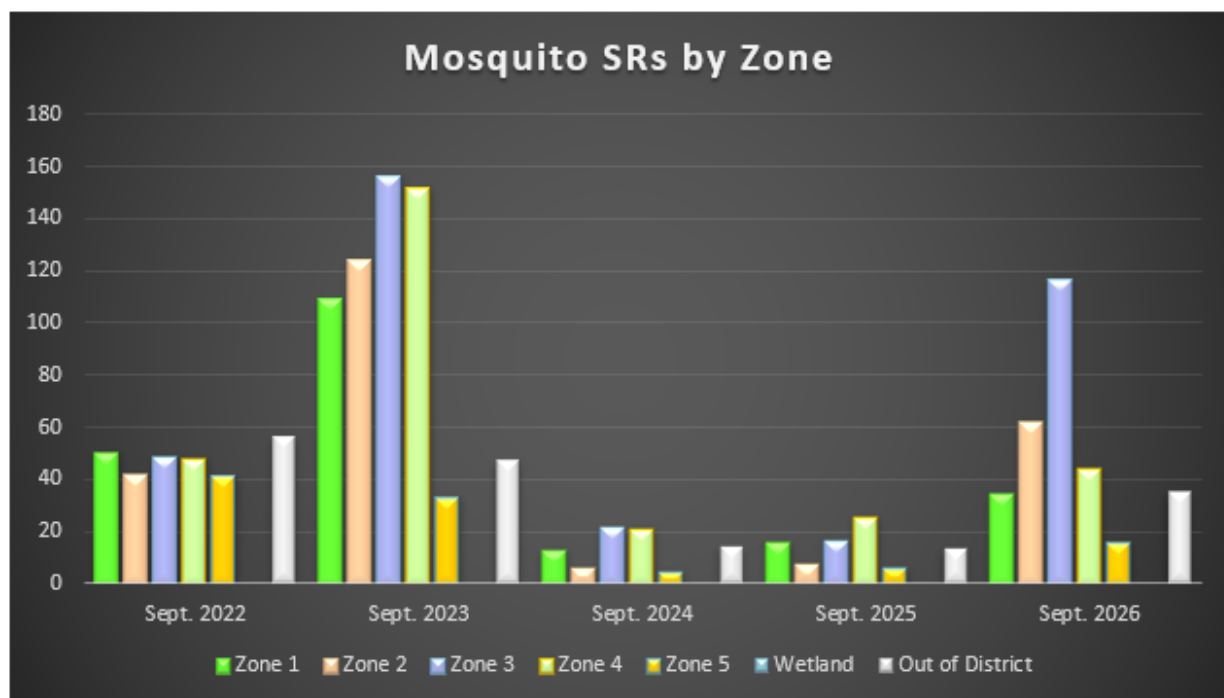
Director of Operations

Service Requests

In September, a total of 417 service requests (SRs) were received, representing an 111% increase compared with the 198 requests reported during the same month last year. The increase was driven primarily by mosquito-related concerns, which rose from 86 requests in September 2025 to 309 in September 2026, a 259% increase. Mosquito-related requests accounted for approximately 74% of all SRs received. Rodent-related requests decreased from 32 last September to 26 this year, while bee-related requests decreased from 46 to 35. Other concerns, including mosquito fish and flies, accounted for the remaining 47 requests.

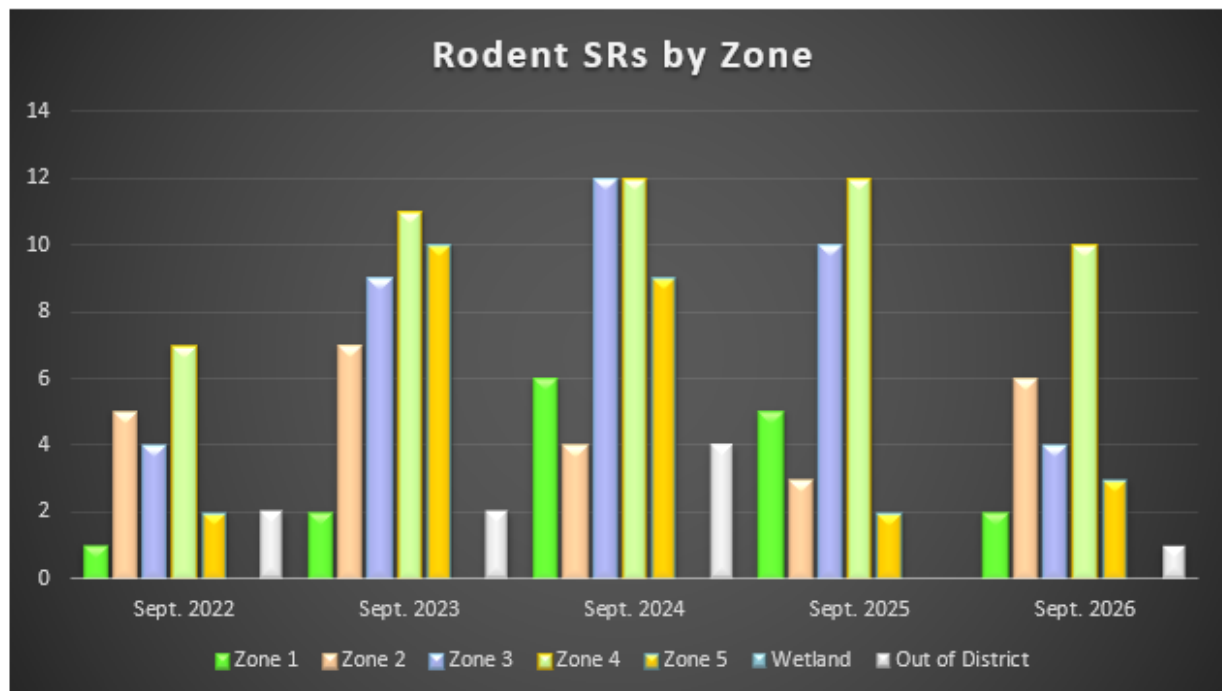


Mosquito SR by Zone								
Year	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Wetland	Out of District	Totals
Sept. 2022	50	42	49	48	41	0	56	286
Sept. 2023	109	124	156	152	33	0	47	621
Sept. 2024	13	6	22	21	5	0	14	81
Sept. 2025	16	8	17	26	6	0	13	86
Sept. 2026	35	62	117	44	16	0	35	309
Total	223	242	361	291	101	0	165	1383
% of calls received	16%	17%	26%	21%	7%	0%	12%	



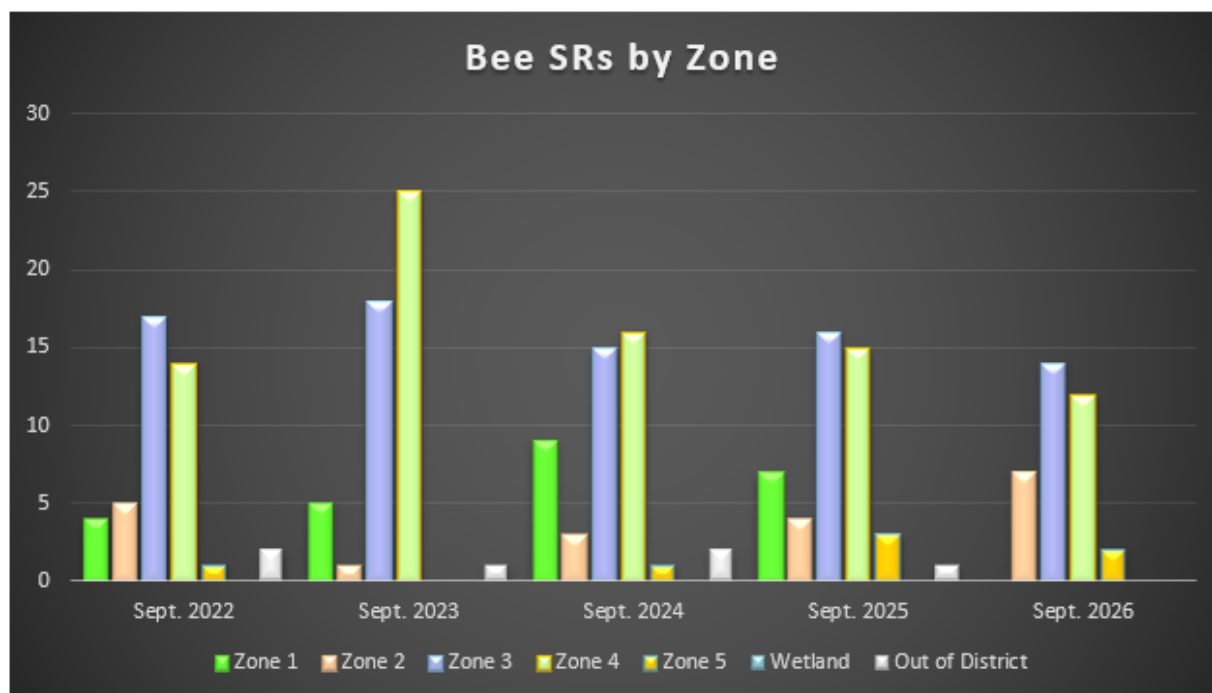
Mosquito-related service requests were approximately 12% above the five-year September average of 277 requests for 2022–2026. Although call volume increased substantially compared with last year, it remained below the elevated level recorded in September 2023. Recent rain events contributed to increased mosquito abundance by creating additional standing-water breeding opportunities. Geographically, mosquito-related concerns were concentrated primarily in Zone 3, with 117 requests, followed by Zone 2, with 62 requests.

Rodent SR by Zone								
Year	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Wetland	Out of District	Totals
Sept. 2022	1	5	4	7	2	0	2	21
Sept. 2023	2	7	9	11	10	0	2	41
Sept. 2024	6	4	12	12	9	0	4	47
Sept. 2025	5	3	10	12	2	0	0	32
Sept. 2026	2	6	4	10	3	0	1	26
Total	16	25	39	52	26	0	9	167
% of calls received	10%	15%	23%	31%	16%	0%	5%	



Rodent-related service requests were approximately 22% below the five-year September average of 33 requests for 2022–2026. Call volume remained below the levels recorded in September 2023 and 2024. Geographically, rodent-related concerns were concentrated primarily in Zone 4, which recorded 10 requests, followed by Zone 2 with six and Zone 3 with four.

Bee SR by Zone								
Year	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Wetland	Out of District	Totals
Sept. 2022	4	5	17	14	1	0	2	43
Sept. 2023	5	1	18	25	0	0	1	50
Sept. 2024	9	3	15	16	1	0	2	46
Sept. 2025	7	4	16	15	3	0	1	46
Sept. 2026	0	7	14	12	2	0	0	35
Total	25	20	80	82	7	0	6	220
% of calls received	11%	9%	36%	37%	3%	0%	3%	



Bee-related service requests were approximately 20% below the five-year September average of 44 requests for 2022–2026, representing the lowest September call volume during that period. Concerns remained concentrated primarily in Zones 3 and 4, which recorded 14 and 12 requests, respectively, and together accounted for approximately 74% of September’s bee-related requests.

Source Inspections & Treatments

In September 2026, District staff conducted 7,304 source inspections, completed 1,793 treatments, and treated 271 acres of stagnant water. Field staff reported continued mosquito breeding across the district, requiring ongoing surveillance, source reduction, and larval control. Personnel were adjusted to support areas with increased activity, and targeted adult mosquito-control operations were conducted in response to West Nile virus (WNV) findings.

Zone 1 – Eastvale and Jurupa Valley

In Zone 1, staff conducted 712 inspections and recorded 215 treatments during September. Mosquito-producing sources included catch basins, storm drains, curb and gutter systems, and stormwater management facilities. The technician reported increased service-request activity, averaging approximately 10–15 requests per week.

The technician coordinated with Jurupa Valley school district maintenance staff to address mosquito concerns at several campuses. Inspections were completed at seven schools, with treatments performed where needed and recommendations provided to reduce mosquito-producing sources. Field staff also conducted door-to-door inspections in a residential neighborhood between Limonite and Belgrave Avenues, just east of Pats Ranch Road, to address elevated *Aedes aegypti* mosquito abundance. Mosquito abundance remained elevated following the inspections, and a subsequent wide-area larvicide (WALS) application was completed to target developing mosquitoes.

Zone 2 – Norco and Western Riverside

In Zone 2, staff conducted 1,126 inspections and recorded 254 treatments during September. The technician continued to find substantial mosquito breeding throughout the month, including within catch basins, curb and gutter systems, ornamental fountains, ditches, and irrigation ponding.

One notable source was a property using 50-gallon drums as part of a plant-watering system. The containers were found heavily producing mosquito larvae. The technician treated the containers for immediate control and worked with the resident to screen the open tops of the drums, preventing mosquito access and providing a longer-term solution.



Homemade Plant Watering System

Zone 3 – City of Riverside

In Zone 3, staff conducted 2,579 inspections and recorded 763 treatments during September, representing the district's highest inspection and treatment workload. Mosquito activity and service requests remained elevated, and additional personnel were assigned to assist. Mosquito-producing sources included curb and gutter systems, catch basins, ditches, storm-drain outlets, and containers.

The district completed an adult ultra-low-volume (ULV) mosquito-control application in a residential neighborhood north of Canyon Crest Drive and Alessandro Boulevard in response to WNV-positive mosquito collections. Intensified source searches and reduction efforts identified mosquito-producing standing water within natural creeks and arroyos surrounding the neighborhood. Following the intensified larval and adult control efforts, subsequent mosquito collections from the area did not detect additional WNV activity. Staff will continue monitoring the area and adjusting response activities as needed.

Zone 4 – City of Corona

In Zone 4, staff conducted 1,144 inspections and recorded 232 treatments during September. The technician reported elevated breeding activity, with mosquito-producing sources including catch basins, curb and gutter systems, storm-drain outlets, ditches, and irrigation ponding.

A notable project involved coordination with the City of Corona to clear an overgrown drainage channel near Green River. The channel has a history of producing mosquitoes, and dense vegetation around the outlet had restricted water flow and made inspection difficult. Vegetation removal improved drainage and access, allowing staff to inspect the area more effectively.

Before & After Drainage Channel Clean-Out.



Zone 5 – Lake Elsinore and Canyon Lake

In Zone 5, staff conducted 1,263 inspections and recorded 254 treatments during September. Mosquito-producing sources included catch basins, stormwater management facilities, ditches, street drains, and storm-drain outlets.

The technician reported rising water levels at Summerly Golf Course near Storm Stadium, accompanied by increased mosquito breeding within the course. Larvicide treatments were completed to reduce mosquito production. Staff will continue monitoring water conditions and breeding activity and respond as needed.

Zone 6 – District Wetlands

In Zone 6, staff conducted 477 inspections and recorded 71 treatments during September. Activities remained focused on treatment wetlands, stormwater management facilities, flood-control channels, ponds, and other wetland habitats.

Mosquito activity remained sustained within the Santa Ana River bottom and increased within the Prado Basin as ponds were prepared for the upcoming duck season. Staff reported that the increase in Prado Basin breeding was consistent with typical seasonal conditions, and larval-control efforts are being intensified in response. An (ULV) mosquito-control application was conducted along the Eastvale Bike Trail in response to WNV-positive mosquito collections and to reduce adult mosquito populations.

West Nile Virus

The district continued responding to WNV-positive mosquito collections during September. Three adult (ULV) mosquito-control applications were conducted during the month in the affected areas of Jurupa Valley, Riverside, and Eastvale to reduce adult mosquito populations.

Operations staff also conducted intensified source searches, larval surveillance, source reduction, and mosquito-control treatments. Subsequent mosquito collections have not detected additional WNV activity in any of the treated areas following the ULV applications. The district will continue monitoring these areas and respond as necessary based on mosquito abundance, virus activity, and subsequent trap results.

Field Activities carried out during the month of September 2026

	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Wetlands	Out of District	Totals
Mosq. Sources:								
Inspected:	712	1126	2579	1144	1263	477	3	7304
Treated:	215	254	763	232	254	71	4	1793
Percentage breeding:	30%	23%	30%	20%	20%	15%	133%	25%
Mosq. Treatment Area:								
Acreage	2.26	.73	5.38	63.31	6.59	192.82	.03	271.12 ac.
Service Requests:								
Mosq.'s	35	62	117	44	16	0	35	309
Bees	0	7	14	12	2	0	0	35
Rats	2	6	4	10	3	0	1	26
Flies	0	1	0	0	0	0	1	2
Fish	2	1	1	3	0	0	2	9
Misc.	6	11	9	9	0	0	1	36
Total	45	88	145	78	21	0	40	417

LABORATORY REPORT

September 2026

Chloe Wang, PhD, Director of Scientific Programs

Greg Williams, Assistant Vector Ecologist

Jessica Coolidge, MSc, BCE, PHE, Lab Associate

Jennifer Wong, REHS, Lab Associate

I. Surveillance Program

1. Mosquito Surveillance

Host-Seeking Trap Surveillance

Laboratory staff deployed 254 host-seeking mosquito surveillance traps in September 2026, 225 (89%) of which were BG-Sentinel 2 traps and 29 (11%) of which were BGPro-EVS traps. Mosquito abundance in September has nearly tripled since August (~262% increase), with 181.6 female mosquitoes/trap night in September compared to 69.4 female mosquitoes/trap night in August, likely driven by recent rainfall and heat waves. Wetland area abundance consisted primarily of *Cx. tarsalis* (33.3% of overall total), followed by *Cx. erythrothorax* (21.1% of overall total) and *An. hermsi* (1.4%). Urban areas consisted primarily of *Cx. quinquefasciatus* (36.0% of overall total) and *Ae. aegypti* (6.0% of overall total). See **Table 1** for a summary of host-seeking mosquito surveillance activity.

Table 1. Abundance of adult female mosquitoes captured by CO₂-baited BG-Sentinel 2 and BGPro traps in September 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	<i>Ae. aegypti</i>	1172	391	890	209	62	33	2757	6.0%
Anopheles	<i>An. franciscanus</i>	0	0	1	1	0	0	2	0.0%
	<i>An. hermsi</i>	26	0	0	2	14	626	668	1.4%
Culiseta	<i>Cs. incidens</i>	9	1	6	0	11	10	37	0.1%
	<i>Cs. inornata</i>	0	0	0	0	11	0	11	0.0%
	<i>Cs. particeps</i>	0	0	0	0	10	16	26	0.1%
Culex	<i>Cx. erythrothorax</i>	1056	2	115	14	101	8431	9719	21.1%
	<i>Cx. quinquefasciatus</i>	8914	742	3451	194	231	3051	16583	36.0%
	<i>Cx. stigmatosoma</i>	55	9	27	11	1	12	115	0.2%
	<i>Cx. tarsalis</i>	3216	631	60	960	122	10392	15381	33.3%
	<i>Cx. thriambus</i>	24	0	0	0	2	26	52	0.1%
	Culicidae (unspecified)	33	35	14	1	514	266	863	1.9%
	Total Mosquitoes	14415	1811	4564	1392	1079	22863	46124	100.0%
	# Traps Set	69	36	65	27	23	34	254	

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 continued in September, with 38 traps set. Overall gravid mosquito abundance increased by ~128% since last month, with 26.1 female mosquitoes/trap night in September compared to 20.4 mosquitoes/trap night in August. See **Table 2** for a summary of gravid mosquito surveillance activity.

Table 2. Abundance of adult female mosquitoes captured by gravid traps set in September 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	<i>Ae. aegypti</i>	8	7	16	3	7	0	41	4.0%
Culex	<i>Cx. quinquefasciatus</i>	500	203	125	63	28	18	937	95.0%
	<i>Cx. stigmatosoma</i>	3	1	0	0	0	0	4	0.0%
	<i>Cx. tarsalis</i>	1	1	1	0	2	2	7	1.0%
	<i>Cx. thriambus</i>	0	0	0	0	0	1	1	0.0%
	Total Mosquitoes	512	212	142	66	37	21	990	100.0%
	# Traps Set	13	7	7	3	5	3	38	

Dynamics of Invasive and Dominant Mosquito Species Abundance

Aedes aegypti has become established in many areas of California, particularly Southern California and the Central Valley. This invasive mosquito can transmit viruses such as dengue, chikungunya, and Zika to humans through the bite of an infected mosquito. *Culex erythrothorax*, commonly known as the tule mosquito, is associated with wetlands and marshes, and can contribute to WNV transmission. *Cx. tarsalis* is an important vector of West Nile virus (WNV), St. Louis encephalitis virus (SLEV), and western equine encephalitis virus (WEEV) in California. Its habitats are diverse, including ponds, vegetated pools, and agricultural water sources. *Cx. quinquefasciatus* is associated with urban and suburban environments and often breeds in artificial water sources, drains, and other organically polluted water. In California, *Cx. tarsalis* is a primary rural vector of WNV, SLEV, and WEEV, whereas *Cx. quinquefasciatus* is an important urban vector of WNV and SLEV.

The District has observed an increase in overall mosquito abundance. In 2026, populations of the invasive *Ae. aegypti* and three dominant *Culex* species have shown higher abundance than in the preceding years (2019–2025; **Figure 1**). These elevated mosquito populations have also coincided with an increase in arbovirus-positive mosquito pools identified through surveillance (**Table 3**). The District will continue surveillance throughout 2026 to monitor population trends, track the distribution and abundance of invasive *Ae. aegypti*, and assess changes in dominant local mosquito species to support timely, data-driven vector management decisions.

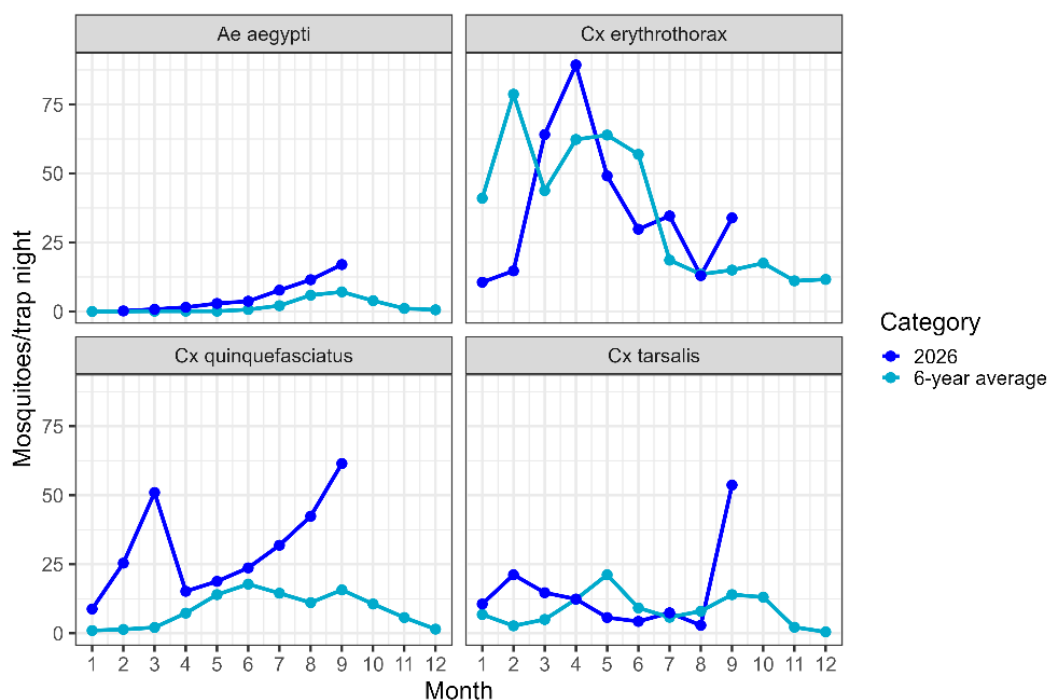


Figure 1. Monthly abundance (mosquitoes/trap-night) of *Ae. aegypti*, *Cx. erythrothorax*, *Cx. quinquefasciatus*, and *Cx. tarsalis* in 2026 compared with the six-year average for 2019–2025.

2. Arbovirus Surveillance

Dead Bird Surveillance

In 2026, dead bird samples are the first reports of WNV activity in California. As of October 2, 2026, 702 dead bird samples have tested positive for WNV (33.70% positive out of 2,083 samples for the state of California) (**Table 3, Figure 2, Figure 3**). Detailed information about dead birds reported, tested, and positive by county is listed at westnile.ca.gov, and will be updated weekly.

In 2026, 11 of 47 (23.40%) dead bird samples collected within the District have tested positive for WNV to date (**Figure 2**). Corresponding responses to the positive detections were taken by the Departments of Operations and Scientific Programs (District Laboratory), with active mosquito surveillance and appropriate treatment and control. No evidence of active WNV transmission was detected.

Report a dead bird: Residents can submit a dead bird report to the California Department of Public Health (CDPH) *year-round* using the online form: <https://westnile.ca.gov/report>. Alternatively, residents can call the WNV call center at 1-877-968-2473 (1-877-WNV-BIRD) to report a dead bird from April to October.

The West Nile Virus Dead Bird Call Center will *stop* taking live calls and transition to accepting internet reports only for the winter season in two weeks, on *Friday, October 16th, at 12 pm*. The District will continue testing through the winter.

Table 3. California Statewide, Riverside County and Districtwide West Nile Virus activity summary for 2026, updated 10/02/2026 (*State and County Data Source: CDPH, <http://westnile.ca.gov>*).

WNV POSITIVES	District					County	State				
	2026 DISTRICT TOTALS YTD		2025 DISTRICT TOTALS YTD		DISTRICT 3-YEAR AVERAGE	RIVERSIDE COUNTY TOTALS YTD	2026 STATE TOTALS YTD		2025 STATE TOTALS YTD		STATE 5-YEAR AVERAGE
	Count	% Positive	Count	% Positive	Count	Count	Count	% Positive	Count	% Positive	Count
Human cases	2		0			3	252		47		87
Human suspected reports											
Mosquito Pools	31	5.66%	1	0.27%	19	71	3839	7.58%	2500	5.89%	2719
Dead Birds	11	23.40%	0	0.00%	23	12	702	33.70%	138	9.38%	335
Chickens	--	--	--	--	--	0	149	4.37%	49	1.49%	112
Total	44	7.06%	1	0.00%	42	86	4942	8.36%	2734	5.69%	3253

Note: total % positive was calculated by dividing the total number of positive organisms (birds, mosquitoes, chickens, but not humans) by the total number of organisms tested.

WNV Mosquito Pools

As of the end of September 2026, 31 of the 548 mosquito pools (5.66%) tested within the District have been positive for West Nile virus (WNV). The District Department of Scientific Programs has increased the surveillance capacity with cluster trapping; the Department of Operations also responds with targeted inspection, control, and treatment.

Statewide, 3,839 of 50,633 mosquito pools tested (7.58%) across 29 counties have been positive for WNV (**Figure 3**). At this time last year, 2,500 WNV positive mosquito pools had been reported from 27 counties (5.89%). Riverside County has reported a total of 71 WNV-positive mosquito pools (**Table 3**).

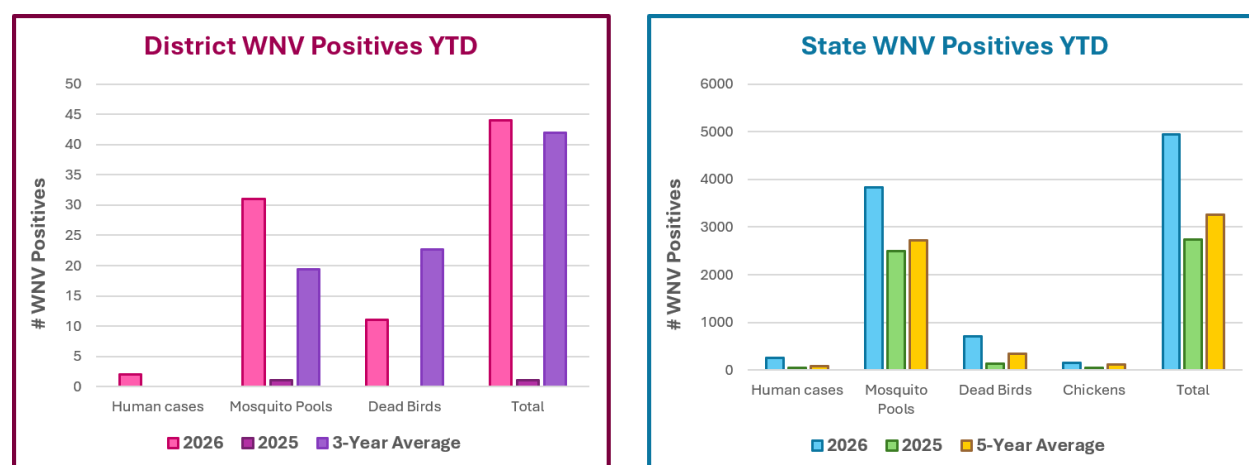


Figure 2. District- and state-wide West Nile Virus activity for years 2026, 2025 and past 5-year average, updated 10/02/2026.

WNV Human Cases

Two human cases have been reported within the District. Riverside County reported three human cases of WNV disease this year.

West Nile virus (WNV) activity in California is at a five-year high, and relatively higher WNV activity has continued in California. In 2026, 252 human cases of WNV disease have been reported from 23 counties. Of the case patients, 215 (85%) had neuroinvasive disease and 19 (7.5%) were fatal. In addition to the 252 cases of WNV disease, 20 asymptomatic WNV infections have been reported from 10 counties. At this time last year, 47 human cases of WNV disease were reported from 12 counties. (Source: *California Arbovirus Surveillance Bulletin #26*) (**Table 3, Figure 3**).

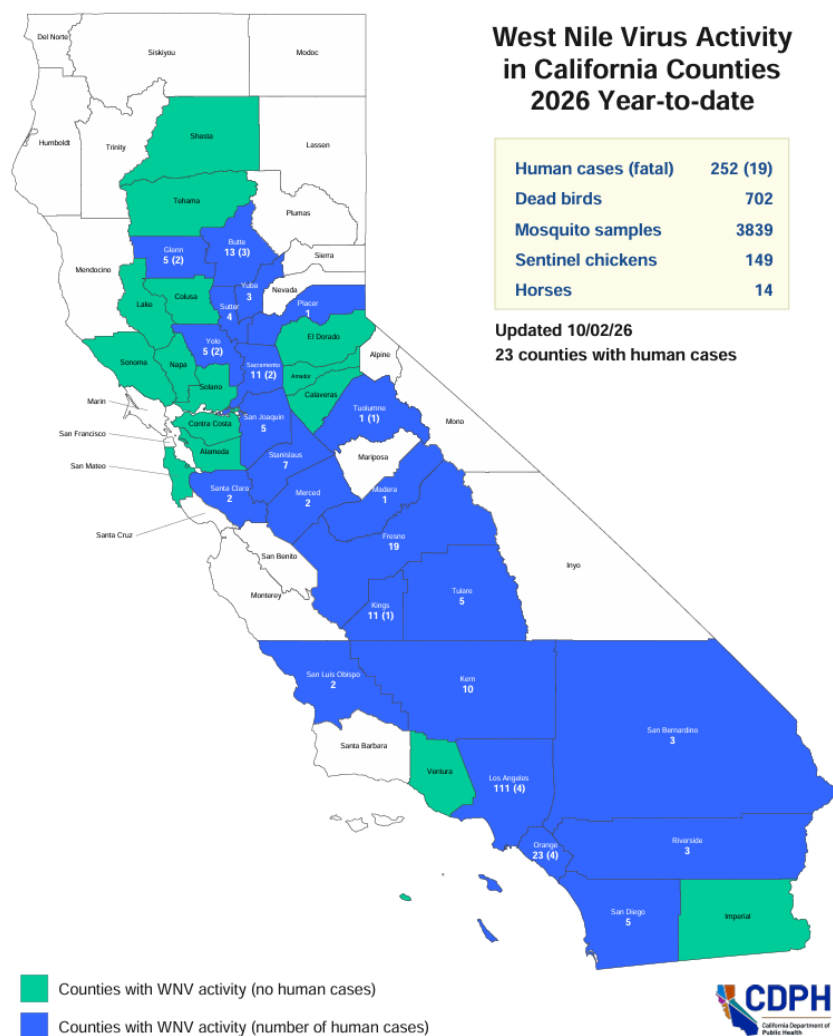


Figure 3. Statewide West Nile Virus activity in California counties for 2026, updated 10/02/2026 (Source: CDPH, <http://westnile.ca.gov>).

The District reminds residents that preventing mosquito breeding and avoiding mosquito bites are the best defenses against West Nile virus. CDPH recommends that individuals protect against mosquito bites and WNV by practicing the “Three Ds”:

- **DEET** (EPA-registered insect repellent, not to be confused with DDT): Apply an EPA-registered insect repellent, containing an active ingredient such as DEET, picaridin, oil of lemon eucalyptus or IR3535, according to label instructions.

- *Dawn and Dusk:* Mosquitoes that transmit West Nile Virus usually bite in the early morning and evening, so it is important to wear loose-fitting long-sleeved shirts and pants and repellent if outside during these times. Make sure your doors and windows have tight-fitting screens to keep out mosquitoes. Repair or replace screens that have tears or holes.
- *Drain:* Mosquitoes lay their eggs on standing water. Eliminate all sources of standing water on your property by emptying flowerpots, old car tires, buckets, and other containers.

If residents are experiencing mosquito problems or would like to report neglected swimming pools or other stagnant water sources, contact Northwest Mosquito and Vector Control District at 951-340-9792.

St. Louis encephalitis virus (SLEV)

Activity of St. Louis encephalitis virus in California has remained very low during 2026. One SLEV human case was reported through the state from one county: San Diego. In 2026, ten SLEV positive mosquito pools have been reported from three counties: Imperial (1), Riverside (2) and Tulare (7). At this time last year, 100 SLEV positive mosquito pool had been reported from three counties. No SLEV positive pools were detected within the District.

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 October 1, 2026 is summarized below:

- 1) *Dengue cases:* 52 symptomatic travel-related dengue cases have been reported in state. No locally acquired *Aedes*-associated human disease cases have been reported in California.

* Nationwide, locally acquired dengue cases were reported in Virginia, Florida, Puerto Rico and American Samoa. By October 3, 2026, 296 cases of locally acquired dengue have been reported.

** President Donald Trump signed an executive order 09/29/2026 to reduce the invasive mosquito population in Washington, D.C., by 90% by 2028.

- 2) *Chikungunya cases:* Five symptomatic chikungunya cases have been reported in state in the following counties: Alameda, Placer, San Francisco, and Sonoma.
- 3) *Zika cases:* No Zika infections have been 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 watersheds or open water systems that potentially flow into these watersheds. In September, a total of 49 mosquitofish were used by residents (17 fish) and technicians (32 fish) (**Figure 4**). So far, the year-to-date mosquitofish usage is 1,559, with residents and technicians stocking 533 and 1026 fish, respectively. Our system currently houses under 300 fish.

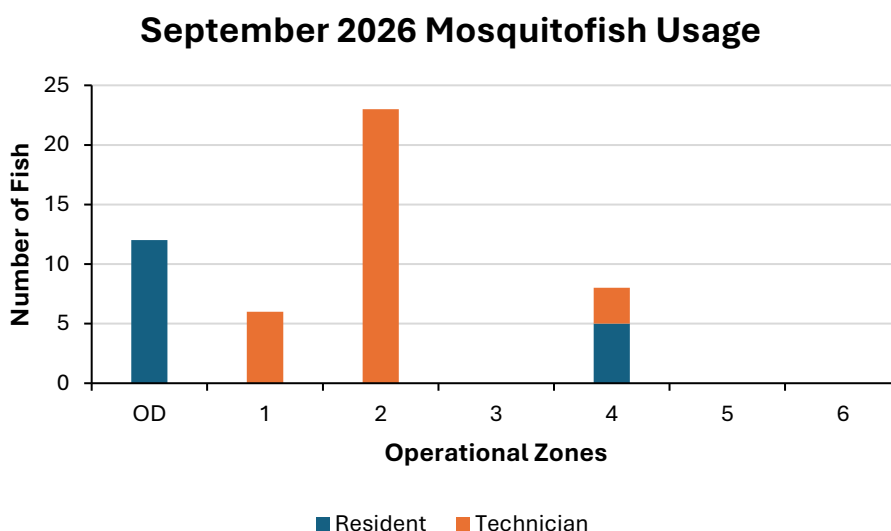


Figure 4. Number of mosquitofish used for each operational zone in September 2026.

Water Chemistry

In September the nitrification cycle continued to work well. All readings for ammonia, nitrite, and nitrate were zero parts per million. The alkalinity fluctuated mildly between 90 and 110 ppm with the corresponding pH levels staying between 8.4 and 8.8. Small amounts of baking soda were added throughout the month to maintain optimal water chemistry.

III. Sterile Insect Technique (SIT) Program

The Sterile Insect Technique (SIT) is a biological mosquito control method that involves releasing sterilized, locally reared male mosquitoes to suppress invasive mosquito populations as part of an Integrated Vector Management (IVM) strategy. The District is expanding its SIT program in 2026. The public can check the District SIT webpage for more information: [*Sterile Insect Technique - Northwest Mosquito and Vector Control District*](#).

Laboratory staff continued to conduct sterile male *Aedes aegypti* releases in Riverside each week in September. Each week, approximately 24,000 irradiated sterile male mosquitoes, marked with a UV-reactive fluorescent pigment, were released within the treatment area. With the elevated *Ae. aegypti* population, approximately 48,000 irradiated sterile male mosquitoes were released during the final week of September. BG-Sentinel 2 traps have been deployed 48 hours after each release for mosquito population monitoring, and oviposition traps are placed to monitor real-time mosquito fecundity and fertility (**Figure 5**).



Figure 5. BG-Sentinel 2 adult surveillance trap (left panel) and oviposition trap (right panel) to monitor the efficacy of SIT.

The Laboratory has implemented a comprehensive QC program to evaluate the quality and performance of mosquitoes received from the vendor.

The September batch of mosquitoes continued to show 100% sterility at a ratio of 1:1 sterile male to colony female *Aedes aegypti* under laboratory conditions. No female contamination was detected during inspections of the four September releases.

The quarterly survival assessment showed that the sterile mosquitoes maintained a mortality rate below 50% over the 21-day longevity study, indicating favorable survivorship under laboratory conditions. In addition, adult mosquito traps captured *Ae. aegypti* marked with three different fluorescent dust colors, indicating that sterile males from multiple release events remained active and detectable in the field over time.

IV. Trials and Other Laboratory Activities

As an important component of the District Integrated Vector Management (IVM) program, the Department of Scientific Programs (District Laboratory) continued targeted surveillance in areas with high *Culex* and *Aedes* mosquito counts. This strategy provided the Department of Operations with timely and localized information to support more precise, targeted, and cost-effective control decisions. Cluster trapping in zone 3 revealed the need to conduct a Wide-Area Larvicide Spray application for controlling *Aedes aegypti* mosquitoes (thresholds >10 female *Ae. aegypti*/trap night were reached, see **Figure 6**). The Laboratory deployed mosquito traps throughout the treatment area and surrounding neighborhoods pre- and post-treatment by Operations to evaluate the efficacy of the larvicide application and provide timely feedback to the Department of Operations. The Laboratory also conducts larval and adult mosquito bioassays, as appropriate, to evaluate treatment efficacy and support optimization of mosquito control strategies.

Figure 6 presents cluster-trapping results before and after the Wide Area Larvicide Spraying (WALS) application. Post-treatment surveillance showed a reduction in *Aedes aegypti* abundance within two to three weeks of treatment (**Figure 6**, left panel). To evaluate field application performance, the Laboratory also conducted standardized larval cup bioassays at locations throughout the treatment area (**Figure 6**, right panel). These assays served as a field-validation method to assess insecticide deposition and coverage across different placement conditions within residential yards. The larval cup assays demonstrated an average mortality of 89%, confirming insecticide deposition across a range of field conditions. Overall, the surveillance and bioassay results indicated that WALS was effective in reducing *Ae. aegypti* abundance in the treated residential area.

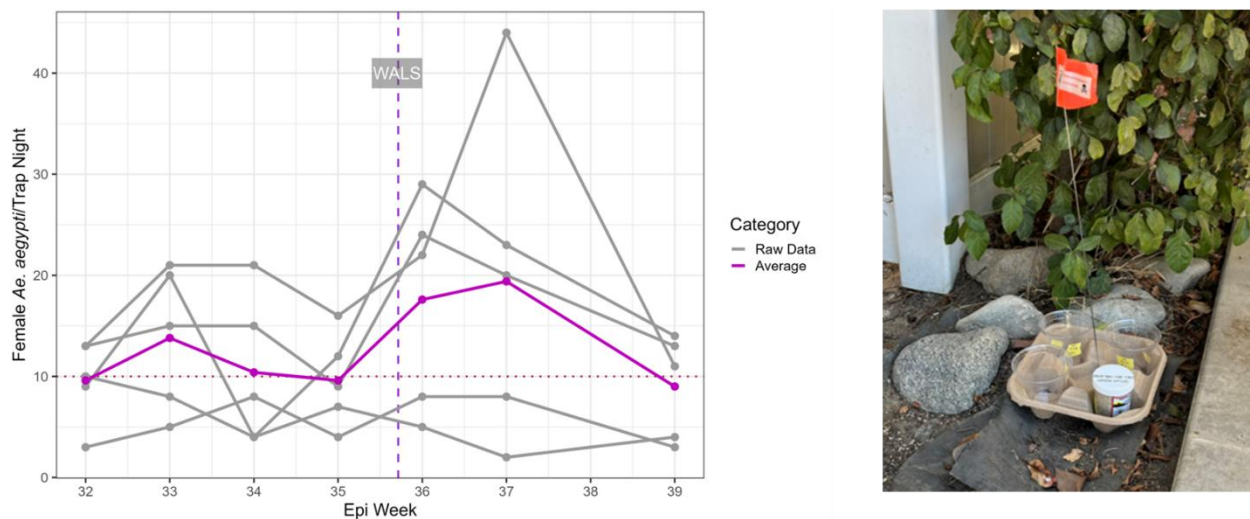


Figure 6. Left panel: Female *Aedes aegypti* counts before and after Wide Area Larvicide Spraying (WALS) treatment. Vertical dashed line indicates the timing of the WALS treatment compared to trap set days. Horizontal dotted line highlights the threshold value of 10 mosquitoes/trap night. Right panel: field setup of the larval cup bioassay to evaluate insecticide deposition and efficacy.

NWMVCD Treasurer's Dashboard Report - September 2026

Account Balances as of August 31, 2026			
Institution	Identification	Percent of Total	Balance
LAIF	Common Investments	89.85%	12,171,472.84
Riverside County	Fund 51255	0.21%	28,006.93
Citizens Business Bank	General Operating Account	5.04%	682,570.94
Citizens Business Bank	Payroll Account	3.55%	480,695.27
Citizens Business Bank	Money Market Account	0.08%	11,042.26
VCJPA	Common Investments	1.27%	171,897.00
CalPERS	CERBT (Restricted)	0.00%	-
		100.00%	\$ 13,545,685.24

MONTHLY REVENUE				
Date	Received From	GL Acct #	Description	Amount
09/08/2026	Southwest Resource Management Assn.	4777520	Current Services	855.18
09/08/2026	Orange County Water District	4777520	Current Services	209.90
09/30/2026	Other Interest	4740032	Interest	0.91
Total				\$ 1,065.99

MONTHLY EXPENSES		
Account Number	Category	Amount
1-510040	Salaries - Regular	157,169.95
1-510080	Salaries - Extra Help	52,201.41
1-510320	Salaries - Temporary	800.00
1-513000	Retirement - PERS	41,837.43
1-513120	Retirement - OASDI	11,613.06
1-513130	Retirement - 401a	4,985.14
1-513140	Payroll Tax - Medicare	2,845.63
1-515000	Insurance -Employee Group Dental	921.52
1-515080	Insurance -Employee Group	40,121.12
1-515260	Insurance - Unemployment	109.62
2-524500	Operational expenses	30,124.65
2-524520	Administrative expenses	21,082.49
2-529540	Utilities	11,612.31
9-546020	Structure/Improvement	-
Total		\$ 375,424.33

Account Balances as of September 30, 2026			
Institution	Identification	Percent of Total	Balance
LAIF	Common Investments	92.99%	12,171,472.84
Riverside County	Fund 51255	0.21%	28,006.93
Citizens Business Bank	General Operating Account	4.10%	537,116.11
Citizens Business Bank	Payroll Account	1.29%	169,039.81
Citizens Business Bank	Money Market Account	0.08%	11,043.17
VCJPA	Common Investments	1.31%	171,897.00
CalPERS	CERBT (Restricted)	0.00%	-
		100.00%	\$ 13,088,575.86

Notes to the Treasurers Report:

Variance	\$ 82,751.04
Change in AP from Prior Month	(83,372.13)
Change in AR from Prior Month	645.30
Change in Payroll Liabilities from Prior Month	(24.21)
Capital Expenditures	-
Adjusted Variance	\$ (0.00)

800th Board Meeting
October 15, 2026

Action Item #7.A.

Action Item #7.A. Conference With Legal Counsel

Existing Litigation (Gov't Code § 54956.9(d)(1))
Case: Hopkins / Northwest Mosquito & Vector Control District
(CRD Case No. 202506-29918919)

800th Board Meeting
October 15, 2026

Action Item #7.B.

Action Item #7.B. Public Employee Performance Evaluation (Gov't Code § 54957)
Position: District Manager

800th Board Meeting
October 15, 2026

Action Item #7.C.

Action Item #7.C. Conference with Labor Negotiators (Gov't Code § 54957.6)
District Representative: Erica Vega, Legal Counsel
Unrepresented Employee: District Manager

Action Item #8.A. Discussion and Possible Direction Regarding Virtual Meeting Access Information on Board Agendas

Purpose

To discuss whether the District should routinely include virtual meeting access information, such as a Zoom link, on future Board of Trustees agendas and provide direction to staff.

Background

The Brown Act provides several options for Board members to participate in meetings remotely. Each option has different requirements regarding public access, meeting locations, and the circumstances under which remote participation is permitted. Government Code § 54953.4 establishes virtual public access requirements for certain eligible legislative bodies. Based on the District's structure, these requirements do not appear to apply to the Board of Trustees.

Option A – Include Virtual Access on All Board Agendas

The District would routinely include a Zoom or similar virtual meeting link on every Board agenda.

Considerations:

Requires staff to maintain and support virtual meeting access.
Virtual participation may create opportunities for disruptive behavior, inappropriate comments, or misuse of the chat feature.

Option B – Include Virtual Access Only When Needed

The District would include virtual meeting access information when a qualifying request is anticipated before the agenda is posted.

Considerations:

Requests would generally need to be identified before the agenda is posted.
Qualifying last-minute requests may not be accommodated.

Requested Board Direction

Staff requests that the Board discuss the available options and provide direction regarding whether virtual meeting access information should be included on all future Board of Trustees agendas, included only when needed, or handled through existing meeting procedures.

**NORTHWEST MOSQUITO AND VECTOR
CONTROL DISTRICT BOARD OF TRUSTEES
STAFF REPORT**

To: Board of Trustees
From: Mark Breidenbaugh, District Manager

Date: October 9, 2026
Meeting Date: October 15, 2026

Subject: Resolution 613 of The Board of Trustees of The Northwest Mosquito And Vector Control District Amending Resolution 606 to Extend District Manager's Temporary Modified Work Schedule During Military Leave

Discussion

I. Coverage and Oversight During District Manager's Military Leave of Absence

On March 19th, 2026 the Northwest Mosquito and Vector Control District ("District") approved Resolution 606 to provide guidance for administrative oversight of the District during the District Manager's absence while activated on a 6-month deployment as a military reservist. On October 9, 2026, the District Manager informed the Board of Trustees that he had received notice on October 7, 2026 that his military duty had been extended, by order of the President, to no further than February 11, 2027. Therefore, Resolution 613, amends Resolution 606 by updating the inclusive dates and confirms the temporary management structure during the District Manager's absence.

Manager's leave of absence. This change is set to revert upon the conclusion of the District Manager's leave of absence, which is presently set to conclude on November 1, 2026.

To compensate the Director of Operations for the additional duties that she will be performing during this time, the resolution provides a 10% temporary salary increase for the performance of the additional duties. This salary increase, along with the change to the job title and revisions to the job description, will be effective on March 21, 2026 and revert back to the current Director of Operations rate when the District Manager returns from military service.

III. Temporary Adjustment in Hours Worked Expectation for the District Manager

To provide the District with additional support and ensure that the Director of Operations has the necessary support as she assumes the additional duties during the District Manager's long term leave, the District Manager has agreed to work a modified work schedule of five (5) hours per week during his military leave of absence. The District Manager may at any time request to cease working any hours during his leave if, at a later time, the District Manager believes it is impracticable for him to continue performing District duties during his military leave. The Board also retains the authority to modify this resolution.

IV. Update to the District's Salary Schedule

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") are required to publish a salary schedule that details the pay scale for all authorized positions. The resolution provides an updated salary schedule based on the proposed personnel salary modification. The Changes proposed in Exhibit "7.B.2" to the resolution will be effective immediately and reflect the most recent change to the District Manager's salary (Approved November 2025). Further, the changes proposed in Exhibit "7.B.3" to the resolution will be effective on March 21, 2026 until the District Manager returns from military service, at which time, the salary schedule the Director of Operations/Assistant District Manager will revert to Director of Operations salary schedule.

V. Recommendation:

That the Board of Trustees adopt the "Resolution of The Board of Trustees of The Northwest Mosquito And Vector Control District Temporarily Modifying The Job Description For The Director of Operations Position; Temporarily Modifying Hours Worked Expectations For The District Manager Position; And Updating The District's Salary Schedule."

RESOLUTION 613

RESOLUTION OF THE BOARD OF TRUSTEES OF RESOLUTION OF THE BOARD OF TRUSTEES OF THE NORTHWEST MOSQUITO AND VECTOR CONTROL DISTRICT AMENDING RESOLUTION NO. 606 TO EXTEND THE DISTRICT MANAGER'S TEMPORARY MODIFIED WORK SCHEDULE DURING MILITARY LEAVE

WHEREAS, on March 19, 2026, the Board of Trustees ("Board") of the Northwest Mosquito and Vector Control District ("District") adopted Resolution No. 606, temporarily modifying the Director of Operations job description to include the Assistant Manager designation, temporarily modifying the hours worked expectations for the District Manager position during military leave.

WHEREAS, Resolution No. 606 authorized the District Manager to work on a modified schedule of up to five (5) hours per week, effective March 23, 2026, through November 1, 2026; and

WHEREAS, the District Manager has subsequently notified the District that his military orders have been extended through February 11, 2027, and that he anticipates returning to full duty with the District no later than March 1, 2027, following his completion of his military service; and

WHEREAS, the Board desires to extend the previously authorized temporary modified work schedule through March 1, 2027, or until the District Manager returns to full duty, whichever occurs first, while retaining the Board's authority to discontinue the modified work schedule as provided in Resolution No. 606; and

WHEREAS, Resolution No. 606 also established a temporary Director of Operations/Assistant Manager designation and related compensation provisions during the District Manager's military leave of absence; and

WHEREAS, the District has prepared an updated salary schedule effective July 11, 2026, reflecting the District's authorized classifications and compensation ranges, including the temporary compensation provisions applicable during the District Manager's military leave; and

WHEREAS, the Board desires to maintain all other provisions of Resolution No. 606 except as expressly amended herein.

NOW, THEREFORE, BE IT RESOLVED THAT:

Section 1. The Board hereby incorporates the above recitals herein by reference.

Section 2. Amendment to Section 3 of Resolution No. 606.

Section 3. Section 3 of Resolution No. 606 is hereby amended in its entirety to read as follows:

Section 3. The Board grants approval to the District Manager to work a modified schedule basis with a weekly maximum of five (5) hours per week, effective March 23, 2026, through March 1, 2027, or until the District Manager returns to full duty following completion of military service, whichever occurs first. The Board reserves the right to remove this modified schedule and place the District Manager solely into leave status, upon request by the District Manager or at the Board's sole discretion at any time, subject to applicable law. The temporary compensation provisions associated with the Director of Operations/Assistant Manager designation, as originally authorized under Resolution No. 606, shall remain in effect during the District Manager's military leave of absence and shall terminate upon the District Manager's return to full duty, unless otherwise modified by subsequent Board action. The referenced salary schedule is now found in Resolution 612 "2026-2027 COLA" which became effective July 11, 2026.

Section 4. Effective Date:

This resolution shall take effect immediately upon adoption by the Board of Trustees.

Passed and adopted by the Board of Trustees of the Northwest and Vector Control District, this 19th day of October 2026, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

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

Resolution No. 613

CERTIFICATE

STATE OF CALIFORNIA)

COUNTY OF RIVERSIDE)

I, Guillermo Silva, 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 Regular Meeting of the Board of Trustees held on October 19, 2026.

DATED: October 19, 2026

Dr. Tianyun "Steven" Su, Secretary
Board of Trustees
Northwest Mosquito and Vector Control District