

**AGENDA**  
1130<sup>th</sup> MEETING OF THE BOARD OF TRUSTEES  
OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT  
NOVEMBER 13TH, 2024

---

TIME: 5:00 P.M.

PLACE: Join in person at the Office of the District  
23187 Connecticut Street, Hayward, CA 94545 or  
Join remotely via teleconference: <https://us02web.zoom.us/j/86407248266>  
**see below for additional details.**

TRUSTEES: Cathy Roache, President, County-at-Large  
Tyler Savage, Vice-President, City of Alameda  
Valerie Arkin, Secretary, City of Pleasanton *from 3740 Newton Way, Pleasanton CA*  
Robin López, City of Albany: *from 1249 Marin Ave., Albany, CA*  
P. Robert Beatty, City of Berkeley:  
Kashef Qadri, City of Dublin *from Hyatt Place Downtown 325 N. Florida Ave., Tampa, FL*  
John Bauters, City of Emeryville: *from Hotel Tampa Riverwalk 200 N. Ashley Dr., Tampa, FL*  
John Zlatnik, City of Fremont  
George Syrop, City of Hayward  
Maya Manoharan, City of Livermore  
Eric Hentschke, City of Newark  
Lisa Rasler, City of Oakland  
Hope Salzer, City of Piedmont: *from 76 Cambrian Ave, Piedmont, CA*  
Victor Aguilar, City of San Leandro: *from Embassy Suites 513 S. Florida Ave., Tampa, FL*  
Subru Bhat, City of Union City

1. Call to order.
2. Roll call.
3. President Roache invites any member of the public to speak at this time on any issue relevant to the District (each individual is limited to three minutes).
4. Approval of the minutes of the 1129<sup>th</sup> Regular Meeting held October 9<sup>th</sup>, 2024 (**Board action required**).
5. Appointment of an ad-hoc committee to nominate candidates for 2025 Board officers (**Board action required**).
6. Appointment of an ad-hoc energy committee to review and recommend facility efficiency strategies (**Board action required**).
7. Verbal update from the ad-hoc manager evaluation committee (Information only).
8. Financial Reports as of October 31<sup>st</sup>, 2024 (Information only).
  - a. Check Register
  - b. Credit card statements
  - c. Income Statement
  - d. Investments, reserves, and cash report
  - e. Balance Sheet

9. Presentation of the Monthly Staff Report (Information only).
10. Presentation of the Manager's Report (Information only).
  - a. Staff Anniversary Recognitions
  - b. December 11th meeting: annual Trustee in-person open house: lab dedication, aquaculture tour, meal, and group photo: 3:00 P.M- 5:00 P.M (meeting to follow).
  - c. Reappointment requests due 12/31/24 (Savage, Lopez, Syrop, Arkin, Roache)
  - d. Local Agency Formation Committee of Alameda County (LAFCo) Municipal Service Review (MSR) on Alameda County Special Districts and County Service Areas  
<https://alamedalafco.org/wp-content/uploads/2024/10/Special-Districts-and-CSAs-MSR-Final-Report-Clean-10-2-24-1.pdf>
  - e. Ad-hoc salary committee to be appointed at the December meeting in preparation for 2025 salary negotiations with ACMAD Employee Association.
  - f. Strategic plan status update at December meeting.
  - g. Current ACMAD Organizational Chart
  - h. CDPH Weekly Arbovirus Surveillance Bulletin
  - i. Mosquito & Vector Control Association of California Annual Conference  
 Registration: January 27<sup>th</sup>-29<sup>th</sup>, 2025 at the Oakland City Center Marriot
  - j. Required training expiration date: NONE
11. Board President asks for reports on conferences and seminars attended by Trustees.
12. Board President asks for announcements from members of the Board.
13. Board President asks trustees for items to be added to the agenda for the next Board meeting.
14. Adjournment.

RESIDENTS ATTENDING THE MEETING MAY SPEAK ON ANY AGENDA ITEM AT THEIR REQUEST.

**Please Note: Board Meetings are accessible to people with disabilities and others who need assistance. Individuals who need special assistance or a disability-related modification or accommodation (including auxiliary aids or services) to observe and/or participate in this meeting and access meeting-related materials should contact Ryan Clausnitzer at least 48 hours before the meeting at 510-783-7744 or [acmad@mosquitoes.org](mailto:acmad@mosquitoes.org).**

**HOW TO OBSERVE THE MEETING:**

**Telephone:** Listen to the meeting live by calling Zoom at (669) 900-6833  
 Enter the **Meeting ID#** 883 885 63360 followed by the pound (#) key.

**Computer:** Watch the live streaming of the meeting from a computer by navigating to: <https://us02web.zoom.us/j/88388563360>

**Mobile:** Log in through the Zoom mobile app on a smartphone and enter **Meeting ID#** 883 885 63360

**HOW TO SUBMIT PUBLIC COMMENTS:**

**Before the Meeting:** Please email your comments to [acmad@mosquitoes.org](mailto:acmad@mosquitoes.org), write "Public Comment" in the subject line. In the body of the email, include the agenda item number and title, as well as your comments. If you would like your comment to be read aloud at the meeting (not to exceed three minutes at staff's cadence), prominently write "Read Aloud at Meeting" at the top of the email. All comments received before 12:00 PM the day of the meeting will be included as an agenda supplement on the District's website under the relevant meeting date and provided to the Trustees at the meeting. Comments received after this time will be treated as contemporaneous comments.

**Contemporaneous Comments:** During the meeting, the Board President or designee will announce the opportunity to make public comments and identify the cut off time for submission. Please email your comments to [acmad@mosquitoes.org](mailto:acmad@mosquitoes.org), write "Public Comment" in the subject line. In the body of the email, include the agenda item number and title, as well as your comments. Once the public comment period is closed, all comments timely received will be read aloud at the meeting (not to exceed three minutes at staff's cadence). Comments received after the close of the public comment period will be added to the record after the meeting.

## MINUTES

### 1129<sup>th</sup> MEETING OF THE BOARD OF TRUSTEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

October 9<sup>th</sup>, 2024

---

TIME: 5:00 P.M.  
PLACE: Join in person at the Office of the District  
23187 Connecticut Street, Hayward, CA 94545 *or*  
Join remotely via teleconference: <https://us02web.zoom.us/j/86407248266>  
**see below for additional details.**

TRUSTEES: Cathy Roache, President, County-at-Large  
Tyler Savage, Vice-President, City of Alameda: *from 2315 Lincoln Ave. Alameda, CA*  
Valerie Arkin, Secretary, City of Pleasanton  
Robin López, City of Albany: *from 1249 Marin Avenue, Albany, CA*  
P. Robert Beatty, City of Berkeley:  
Kashef Qaadri, City of Dublin  
John Bauters, City of Emeryville: *from 4260 Halleck St, Emeryville, CA*  
John Zlatnik, City of Fremont  
George Syrop, City of Hayward  
Maya Manoharan, City of Livermore *from 1845 Marini Ln, Livermore, CA*  
Eric Hentschke, City of Newark  
Lisa Rasler, City of Oakland  
Hope Salzer, City of Piedmont: *from 76 Cambrian Ave, Piedmont, CA*  
Victor Aguilar, City of San Leandro:  
Subru Bhat, City of Union City

1. Board President Roache called the regularly scheduled board meeting to order at 5:01 pm.

2. Trustees Roache, Arkin, Zlatnik, Syrop, Hentschke and Aguilar were present in person at the district. Trustees Savage, López, Bauters, Manoharan and Salzer attended remotely from the publicly posted locations above. Trustee Rasler arrived in person at 5:09. Trustees Beatty and Bhat were absent. Trustee Qaadri attended remotely under AB 2449 which required Board approval.

**Motion:** Trustee Arkin moved to approve remote attendance for Trustee Qaadri

**Second:** Trustee Hentschke

**Vote:** motion carries: unanimous

3. President Roache invited members of the public to speak on any issue relevant to the district. Lab Director, Eric Haas-Stapleton, was present to discuss the Lab Report. Vector Biologist, Sarah Lawton, was present to record the minutes. Information & Technology Director, Robert Ferdan, was present for technical support and for Item 6.

4. Approval of the minutes of the 1128<sup>th</sup> meeting held August 14<sup>th</sup>, 2024.

**Discussion:** None

**Motion:** Trustee Aguilar moved to approve the minutes

**Second:** Trustee Arkin

**Roll Call Vote:** Motion carries: unanimous

5. Replacement of three district-owned right-hand Jeeps with leased Enterprise Fleet Management (EFM) vehicles.
  - a. Staff Report
  - b. Quote from EFM

**Discussion:** President Roache confirmed that the auctioned money would go to the repair and replace reserve fund (yes.) Trustee Hentschke asked if we need a motion to sell them too (no, same motion to sell and buy.) Trustee Manorahan asked why right-hand vehicles (catch basins/drains are on the curb side – the right side.)

**Motion:** Trustee Syrop moved to approve replacing three right-hand Jeeps

**Second:** Trustee Aguilar:

**Vote:** motion carries: unanimous

6. Presentation by IT Director, Robert Ferdan: *Why Worry About Unmaintained Swimming Pools?*

**Discussion:** Trustee Sryop asked if it is required to post a picture of the notice with the pool (yes, it has language stating that on the notice.) Trustee Zlatnik asked how we recommend people to take care of their pool (fish or other treatment, draining is a bad option because that could lift out the pool's bottom.) Trustee Salzer was curious about the response rate after each notice (data shown in the slides). Followed up with asking about using a QR code rather than text or email (something to consider without adding confusion with the existing different language QR codes.) Trustee Qaadri asked if the flyover is done once, then we get compliance or do we flyover again (just once in the year as we have temperate weather, warmer districts are flying twice per year.) Trustee Savage asked how you validate if it is their pool vs someone else's that looks similar (clues such as shape etc, are checked before a letter is sent.) He followed up asking if we've looked into partnering with another agency to fly a drone over (district policies prohibit drone use to over people & homes without special exemptions plus it is a large area to cover which is better done by a fixed wing aircraft.) Trustee Zlatnik asked once a resident complies and takes care of their pool, do they have to maintain the pool moving forward or what do we (usually their pump is broken, or it leaks, or they can't afford to fix it, so fish are a long term solution. We often return to some pools yearly.)

7. Verbal update from the ad-hoc manager evaluation committee.

**Discussion:** President Roache reported that they are planning to meet in mid-November, so no report today.

8. Financial Reports as of September 30<sup>th</sup>, 2024

**Discussion:** Trustee Qaadri asked if insurance is front-loaded (yes.) He is also wondering if there is an easy way to see year-to-date for year-to-year comparisons (yes, Michelle and I will send a draft to you prior.)

9. Presentation of the Monthly Staff Report

**Discussion:** Prior to the General Manager presenting highlights from the Staff Report, the Lab Director, Eric Haas-Stapleton, presented the Lab Report, which included announcing the first detection of *Aedes aegypti* in Alameda County. Trustee Syrop asked about again what dangers this species pose (dengue, chikungunya, yellow fever, and Zika viruses can be transmitted. Southern California is experiencing locally transmitted dengue.) Trustee Arkin asked if they are

non-native, where are they originating (originally in African jungles found in tree holes, but they are adapted to humans and our small containers.) She followed up asking if our response involves spraying (first will be door-to-door inspections to find their source for breeding. Catch basin treatments, plus aerosolizer treatments in storm drains for adults and larvae will likely be done as well.) Trustee Syrop asked if school districts will be notified and cities (yes) and to understand that most people do not understand the risk (yes, we will be sending notifications tomorrow. All staff will be in the field responding.) He followed up suggesting us to use “Peach Jar” to communicate with schools (yes, we are familiar) Trustee Arkin asked if weather cooling will help (yes, but Pleasanton is warm, even in cold regions, they can over-winter underground or indoors.) Trustee Hentschke asked if the city will be notified, and with what mechanism? He also asked if we need their help as Trustees (Judi will be managing the messaging, we have a county-wide Next-door account. If you see our notifications, you can share it with others.) Trustee Arkin asked what people can do (wear repellent and don’t leave standing water. Look for bites around the ankles. Repellent can be effective) Trustee Manoharan asked what about nurseries outreach (we distribute invasive *Aedes* materials to nurseries, we also trap at each nursery.) Trustee Zlatnik asked if there any efforts to educate the public about the appearance of *Aedes aegypti* (yes, the flyers/door hangers will have information. When we take service requests, we ask questions that help us gauge if it could be invasive *Aedes*) He followed up by asking if there are any other striped mosquitoes in the county (yes, usually around late spring/early summer.) Trustee Aguilar asked if someone got dengue, it does not say that they got it here (no, it will say travel-related if it is travel-related.)

#### 10. Presentation of the Manager’s Report

**Discussion:** The General Manager presented highlights from the Manager’s Report.

#### 11. Board President asks for reports on conferences and seminars attended by Trustees.

**Discussion:** Trustee Qaadri attended the CSDA conference and said it was a good conference. One highlight for him was preparing for a “1<sup>st</sup> amendment audit”.

#### 12. Board President asks for announcements from members of the Board.

**Discussion:** Trustee Syrop mentioned the South Hayward BART public market from 12-4pm on 10/27. He is happy that Judi has connected with Hayward School District.

#### 13. Board President asks trustees for items to be added to the agenda for the next meeting.

**Discussion:** The General Manager mentioned that the end of the year is re-appointment time for Trustees. We will also look at our strategic plan to make sure we’re on pace. Would like to also clean up some policies. Will be looking at auditing our energy use to work towards more efficient energy use, so we will likely form an ad-hoc committee.

#### 14. Adjournment at 6:39 pm.

**Respectfully submitted,**

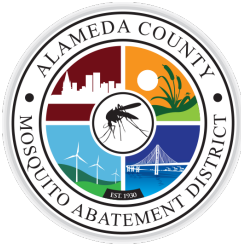
Approved as written and/or corrected  
at the 1129<sup>th</sup> meeting of the Board of  
Trustees held October 9<sup>th</sup>, 2024

---

Valerie Arkin, Secretary  
BOARD OF TRUSTEES

---

Cathy Roache, President  
BOARD OF TRUSTEES



23187 Connecticut Street  
Hayward, CA 94545

T: (510) 783-7744  
F: (510) 783-3903

[acmad@mosquitoes.org](mailto:acmad@mosquitoes.org)

## Appointment of ad-hoc nomination committee

### Board of Trustees

#### *President*

Cathy Roache

#### **County-at-Large**

#### *Vice-President*

Tyler Savage

#### **Alameda**

#### *Secretary*

Valerie Arkin

#### **Pleasanton**

Robin López

#### **Albany**

P. Robert Beatty

#### **Berkeley**

Kashef Qaadri

#### **Dublin**

John Bauters

#### **Emeryville**

John Zlatnik

#### **Fremont**

George Syrop

#### **Hayward**

Maya Manoharan

#### **Livermore**

Lisa Rasler

#### **Oakland**

Eric Hentschke

#### **Newark**

Hope Salzer

#### **Piedmont**

Victor Aguilar

#### **San Leandro**

Subru Bhat

#### **Union City**

#### **Ryan Clausnitzer**

*General Manager*

### Background:

Per District policy

*§105.4 Each year the Board, at its January meeting, or if a vacancy occurs, shall elect a President, Vice President, and Secretary for the calendar year.*

*§109.7 Nominating Committee, there shall be an ad hoc Board committee to nominate Board officers as needed. The Nominating Committee, with a designated Chair, shall be appointed at a posted meeting annually, or when a vacancy occurs, to nominate new officers based on seniority. Nominations will also be taken from the floor. A candidate may decline the officer position.*

Officers are traditionally chosen based a) seniority, b) if they haven't already served as an officer, and c) if they are interested and committed to serve as Board officers for the upcoming calendar year.

The Officer duties traditionally include:

President: Chair of the regular meetings; chair of ad-hoc personnel, manager evaluation, and salary negotiating committees (if applicable); reviews and signs approved board documents such as the minutes and resolutions; may represent the District in official functions and/or in press releases.

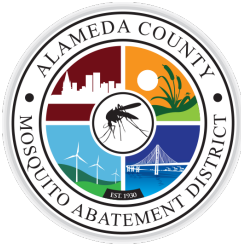
Vice-President: Serves in the role of President in their absence.

Secretary: Reviews and signs all approved Board documents such as minutes and resolutions.

### Recommendation:

Form an ad-hoc nominating committee to contact the Trustees listed below. The duration of this nomination committee will last until the December regular Board meeting where the committee will recommend officers for an election at the January 2025 regular meeting.

Trustee	Appointment Date
Tyler Savage	1/4/2022
Hope Salzer	3/28/2022
Robin Lopez	12/19/2022
Valerie Arkin	12/20/2022
Kashef Qaadri	3/7/2023
John Zlatnik	12/5/2023
Maya Manoharan	3/25/2024
Lisa Rasler	4/30/2024
John Bauters	5/7/2024



23187 Connecticut Street  
Hayward, CA 94545

T: (510) 783-7744  
F: (510) 783-3903

[acmad@mosquitoes.org](mailto:acmad@mosquitoes.org)

## Appointment of ad-hoc energy committee

### Board of Trustees

#### President

Cathy Roache

#### County-at-Large

#### Vice-President

Tyler Savage

#### Alameda

#### Secretary

Valerie Arkin

#### Pleasanton

Robin López

#### Albany

P. Robert Beatty

#### Berkeley

Kashef Qaadri

#### Dublin

John Bauters

#### Emeryville

John Zlatnik

#### Fremont

George Syrop

#### Hayward

Maya Manoharan

#### Livermore

Lisa Rasler

#### Oakland

Eric Hentschke

#### Newark

Hope Salzer

#### Piedmont

Victor Aguilar

#### San Leandro

Subru Bhat

#### Union City

#### Ryan Clausnitzer

General Manager

### Background:

Based on our 2025-2027 strategic plan, the District is looking to reduce our current electricity demand while preparing the district for increased supplies based on *expected* increases in electricity demand due to electric vehicle state mandates. District staff met with several energy consultants on varying options which would now benefit from the collective wisdom of an ad-hoc subcommittee of interested Trustees.

2024-2026 STRATEGIC REPORT

## ACMAD 2024-2026 STRATEGIC PRIORITIES

Proactively mitigate and adapt to climate change impacts on ACMAD by reducing carbon emissions, planning for climate extremes, and coordinating with stakeholders.

### 2024

- Transition three treatment sites from ground-based equipment to Unmanned Aircraft Systems (UAS) for larval mosquito control applications in environmentally sensitive areas.
- Transition from purchasing mosquito fish from a 3rd party supplier to rearing at least 50% in-house.
- Deliver a report to the Board of Trustees on future self-sustainable energy requirements and budget for service upgrades.
- Evaluate the environmental impact of mosquito control products and equipment that are not included in our Programmatic Environmental Impact Report.

### Recommendation:

Form an ad-hoc energy committee with a duration not to exceed one year to work with staff to review energy efficiency and supply strategies and proposals for eventual Board recommendations.

Alameda County Mosquito Abatement Dist.  
**Check Register**  
 For the Period From Oct 1, 2024 to Oct 15, 2024

Filter Criteria includes: Report order is by Date.

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
4618	10/9/24	Airgas	2,223.12
4619	10/9/24	All-Ways Green Services	565.00
4620	10/9/24	AT&T	96.26
4621	10/9/24	Bay Alarm	121.00
4622	10/9/24	Cintas	271.63
4623	10/9/24	Industrial Park Landscape Maintenance	261.00
4624	10/9/24	JamLoop LLC	2,997.15
4625	10/9/24	PG&E	91.80
4626	10/9/24	SCI Consulting Group	27,126.33
4627	10/9/24	UMPQUA Bank Commercial Card OPS (Credit card)	19,990.60
4628	10/9/24	UMPQUA Bank Commercial Card OPS (Fuel)	5,249.73
4629	10/9/24	Voya Institutional Trust Company	261.90
ACH	10/9/24	Alameda County Mosquito Abatement Dist (Payroll)	103,325.50
ACH	10/9/24	CalPERS Retirement	20,062.35
ACH	10/9/24	CalPERS 457	4,927.43
<b>Total Expenditures - October 15, 2024</b>			<b>187,570.80</b>



Alameda County Mosquito Abatement Dist.  
**Check Register**  
 For the Period From Oct 16, 2024 to Oct 31, 2024

Filter Criteria includes: Report order is by Date.

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
4630	10/23/24	Airgas	3,355.30
4631	10/23/24	All-Ways Green Services	300.00
4632	10/23/24	Automatic Fire Inc	1,348.71
4633	10/23/24	Bay Alarm	835.17
4634	10/23/24	CSDA	9,338.00
4635	10/23/24	Cintas	270.59
4636	10/23/24	Clarke	2,824.13
4637	10/23/24	Delta Dental	4,837.68
4638	10/23/24	Gannett California LocaliQ	3,252.29
4639	10/23/24	KBA Docusys	682.08
4640	10/23/24	NBC Supply Corp	996.75
4641	10/23/24	PG&E	103.08
4642	10/23/24	The Hartford	107.19
4643	10/23/24	Verizon	342.03
4644	10/23/24	Voya Institutional Trust Company	261.90
4645	10/23/24	VSP	612.62
4646	10/23/24	WEX Bank	538.65
ACH	10/23/24	Alameda County Mosquito Abatement Dist (Payroll)	105,128.17
ACH	10/23/24	CalPERS Health	44,611.80
ACH	10/23/24	CalPERS Retirement	20,091.10
ACH	10/23/24	CalPERS 457	4,927.43
<b>Total Expenditures - October 31, 2024</b>			<b>204,764.67</b>



BL ACCT [REDACTED]

ACMAD

Account Number: [REDACTED]

Page 1 of 6



**Account Summary**

Billing Cycle		09/30/2024
Days In Billing Cycle		31
Previous Balance		\$29,208.21
Purchases	+	\$20,844.56
Cash	+	\$0.00
Balance Transfers	+	\$0.00
Special	+	\$0.00
Credits	-	\$853.96-
Payments	-	\$29,208.21-
Other Charges	+	\$0.00
Finance Charges	+	\$0.00

**NEW BALANCE \$19,990.60**

**Credit Summary**

Total Credit Line	\$105,000.00
Available Credit Line	\$85,009.40
Available Cash	\$0.00
Amount Over Credit Line	\$0.00
Amount Past Due	\$0.00
Disputed Amount	\$0.00

**Account Inquiries**



Call us at: (866) 777-9013  
Lost or Stolen Card: (866) 839-3485



Go to [www.umpquabank.com](http://www.umpquabank.com)



Write us at PO BOX 35142 - LB1181, SEATTLE, WA 98124-5142

**Payment Summary**

NEW BALANCE	<b>\$19,990.60</b>
MINIMUM PAYMENT	<b>\$19,990.60</b>
PAYMENT DUE DATE	<b>10/25/2024</b>

*NOTE: Grace period to avoid a finance charge on purchases, pay entire new balance by payment due date. Finance charge accrues on cash advances until paid and will be billed on your next statement.*

**Corporate Activity**

TOTAL CORPORATE ACTIVITY				\$29,208.21-
Trans Date	Post Date	Reference Number	Transaction Description	Amount
09/19	09/19	0000000LBX2409193539002	PAYMENT - THANK YOU	\$29,208.21-



Cardholder Account Summary				
<b>RYAN CLASNITZER</b> [REDACTED]	<b>Payments &amp; Other Credits</b> \$0.00	<b>Purchases &amp; Other Charges</b> \$3,753.08	<b>Cash Advances</b> \$0.00	<b>Total Activity</b> \$3,753.08

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
08/30	09/01	PPLN01	24692164244102845525598	SOUTHWES 5262555543736 800-435-9792 TX CLAUSNITZER/RYAN 101024 OAK / BUR WN E OAK WN N	\$344.96
09/04	09/05	PPLN01	24011344248000092698449	AMCA* CA HTTPSWWW.MOSQ CA	\$535.00
09/05	09/08	PPLN01	74178784250104865088774	SHERATON PUERTO RICO 787-993-3500	\$348.85
09/07	09/09	PPLN01	24431064252051501741105	ALASKA AIR 0272381787446 SEATTLE WA CLAUSNITZER/RYAN 090824 SFO / PSP AS Q	\$80.00
09/09	09/09	PPLN01	24011344253000012303619	LYFT *RIDE SUN 6PM LYFT.COM CA	\$51.53
09/09	09/10	PPLN01	24492154253715419458028	UBER *TRIP HELP.UBER.COM CA	\$11.96
09/09	09/11	PPLN01	24692164254108223024978	RENAISSANCE HOTELS F/B INDIAN WELLS CA	\$13.81
09/11	09/12	PPLN01	24493984256026007036481	EAST BAY TIMES 925-935-2525 CA	\$4.00
09/11	09/13	PPLN01	24431064256053889024886	ALASKA AIR 0272382176768 SEATTLE WA CLAUSNITZER/RYAN 091224 PSP / SFO AS Q SFO / / /	\$80.00
09/12	09/15	PPLN01	24692164257100607202285	RENAISSANCE HOTELS PAL INDIAN WELLS CA	\$1,035.95
09/12	09/15	PPLN01	24692164257100561088076	PSP CACTUS TO CLOUDS PALM SPRINGS CA	\$22.27
09/18	09/18	PPLN01	24692164262104502215767	ULINE *SHIP SUPPLIES 800-295-5510 WI	\$96.62
09/23	09/25	PPLN01	24717054268872682530688	AMERICAN AI 0012178546352 800-433-7300 TX CLAUSNITZER/RYA 030125 SFO MIA AA S X SJU AA S X MIA AA Q X SFO AA Q X	\$841.60
09/24	09/25	PPLN01	24137464269001631844014	TST* MINGALA EXPRESS NEWARK CA	\$225.07
09/27	09/29	PPLN01	24011344271000075312679	LYFT *RIDE FRI 9AM LYFT.COM CA	\$13.93
09/26	09/29	PPLN01	24054494271030046773957	HABIBI'S BIRRIA #2 HAYWARD CA	\$47.53

Cardholder Account Summary				
<b>MICHELLE ROBLES</b> [REDACTED]	<b>Payments &amp; Other Credits</b> \$0.00	<b>Purchases &amp; Other Charges</b> \$1,004.43	<b>Cash Advances</b> \$0.00	<b>Total Activity</b> \$1,004.43

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
09/17	09/18	PPLN01	24692164261103960174244	AMAZON MKTPL*NF1OZ7HP3 Amzn.com/bill WA	\$28.78
09/21	09/22	PPLN01	24692164265107834450314	WM.COM 866-909-4458 TX	\$348.74
09/20	09/22	PPLN01	24431064265058941665294	GENERAL PARTS-CARQUEST 919-573-3712 NC	\$626.91

Cardholder Account Summary					
ERIC HAAS-STAPLETON [REDACTED]		Payments & Other Credits \$18.61-	Purchases & Other Charges \$1,278.35	Cash Advances \$0.00	Total Activity \$1,259.74
Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
09/03	09/04	PPLN01	24692164247102594220935	AMZN Mktp US*ZTOXR1FAO Amzn.com/bill WA	\$25.92
09/05	09/05	PPLN01	24692164249103520559832	PIPETTE SUPPLIES INC 817-483-9883 TX	\$63.45
09/04	09/05	PPLN01	24445004248300582515939	FSP*ENTOMOLOGICAL SOCIETY 301-731-4535 MD	\$590.00
09/04	09/05	PPLN01	24801974249079534267499	MOSQUITO & VECTOR CONTRO 916-440-0826 CA	\$450.00
09/14	09/15	PPLN01	24011344258000066926328	AMAZON RETA* CK6KT3QU3 WWW.AMAZON.CO WA	\$28.00
09/12	09/15		24011344257000108394536	CREDIT VOUCHER AMAZON MARK* RK6FF5320 HTTPSAMAZON.C WA	\$18.61-
09/20	09/22	PPLN01	24164074264741665626484	FEDEX469256262 800-4633339 TN	\$53.43
09/24	09/25	PPLN01	24011344268000094158439	AMAZON RETA* 7X1GM7L93 WWW.AMAZON.CO WA	\$57.56
09/24	09/25	PPLN01	24692164268100113639696	APPLE.COM/BILL 866-712-7753 CA	\$9.99

Cardholder Account Summary					
ROBERT FERDAN [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$2,145.43	Cash Advances \$0.00	Total Activity \$2,145.43
Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
09/04	09/05	PPLN01	24000774249000000567892	WWW.USMOBILE.COM 187-82050088 NY	\$525.00
09/04	09/05	PPLN01	24692164248103210092434	AMZN Mktp US*ZT4LX2J01 Amzn.com/bill WA	\$39.84
09/10	09/11	PPLN01	24692164254108399242404	GoToCom*GoToConnect goto.com MA	\$311.98
09/11	09/11	PPLN01	24692164255108635990849	COMCAST CALIFORNIA 800-COMCAST CA	\$263.14
09/21	09/22	PPLN01	24692164265107482960200	BUSINESS.APPLE.COM 800-275-2273 CA	\$2.99
09/25	09/27	PPLN01	24000974270394811293782	PORTOLA HOTEL AND SPA MONTEREY CA	\$882.48
09/26	09/30	PPLN01	24000974273408008221047	STARLINK INTERNET 310-6828100 CA	\$120.00

Cardholder Account Summary					
JOSEPH HUSTON [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$177.00	Cash Advances \$0.00	Total Activity \$177.00
Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
09/12	09/15	PPLN01	24943014257010203376728	THE HOME DEPOT #1017 HAYWARD CA	\$177.00

Cardholder Account Summary					
ERIKA CASTILLO [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$706.60	Cash Advances \$0.00	Total Activity \$706.60
Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
09/23	09/24	PPLN01	24755424268732689619991	SIGNWORKS INC 516-3572000 CA	\$706.60

Cardholder Account Summary					
DEREJE ALEMAYEHU [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$53.90	Cash Advances \$0.00	Total Activity \$53.90
Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
09/23	09/25	PPLN01	24717054268262681143099	CLOSE FEED AND SUPPLY HAYWARD CA	\$53.90



Cardholder Account Summary					
MARK WIELAND [REDACTED]		Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
		\$0.00	\$2,621.65	\$0.00	\$2,621.65
Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
08/29	09/01	PPLN01	24943014243010203546830	THE HOME DEPOT #1017 HAYWARD CA	\$18.66
09/03	09/04	PPLN01	24275394247900017900068	BECKS SHOES - 06 SAN LORENZO CA	\$228.19
09/06	09/08	PPLN01	24137464251001601084609	USPS PO 0509360285 BRENTWOOD CA	\$60.90
09/11	09/12	PPLN01	24755424256732564005237	GRAINGER 800-4724643 IL	\$295.16
09/11	09/12	PPLN01	24011344255000087152568	AMAZON MARK* UC4CL80V3 HTTPSAMAZON.C WA	\$38.70
09/11	09/12	PPLN01	24692164255109101966495	Amazon.com*Z85SK2LO1 Amzn.com/bill WA	\$99.66
09/11	09/12	PPLN01	24011344255000085481803	AMCA* CA HTTPSWWWW.MOSQ CA	\$535.00
09/13	09/13	PPLN01	24011344257000040529090	AMAZON RETA* 2N9G068Y3 WWW.AMAZON.CO WA	\$48.81
09/12	09/13	PPLN01	24692164256109636520873	AMZN Mktpl US*FA12F1R03 Amzn.com/bill WA	\$88.59
09/12	09/13	PPLN01	24011344256000087418620	AMAZON MARK* 4C2SF3ED3 HTTPSAMAZON.C WA	\$9.96
09/12	09/15	PPLN01	74178784257100416861464	SHERATON PUERTO RICO 787-993-3500	\$329.53
09/14	09/15	PPLN01	24011344258000003658158	AMAZON RETA* HW5C07LH3 WWW.AMAZON.CO WA	\$95.29
09/13	09/15	PPLN01	24692164257100555657993	AMAZON MKTPL*BY1VK3423 Amzn.com/bill WA	\$77.42
09/16	09/17	PPLN01	24431054260039897100169	CARQUEST 7336 HAYWARD CA	\$169.34
09/16	09/17	PPLN01	24692164260103122773025	AMZN Mktpl US*JW67O5KI3 Amzn.com/bill WA	\$81.83
09/20	09/20	PPLN01	24011344264000030997324	AMAZON RETA* RY1GQ8DC3 WWW.AMAZON.CO WA	\$126.08
09/20	09/22	PPLN01	24692164264106536245338	AMAZON MKTPL*6I0IC9TT3 Amzn.com/bill WA	\$94.02
09/20	09/22	PPLN01	24137464265001757856663	USPS PO 0509360285 BRENTWOOD CA	\$6.35
09/23	09/25	PPLN01	24943014268010181240596	THE HOME DEPOT #6678 LIVERMORE CA	\$94.82
09/24	09/25	PPLN01	24607944268098876614527	AMERICAN FLAGPOLE & FLAG 651-777-0172 MN	\$108.95
09/25	09/26	PPLN01	24692164269100966350630	AMAZON MKTPL*EA49U5IS3 Amzn.com/bill WA	\$14.39

Cardholder Account Summary					
MIGUEL BARRETTO [REDACTED]		Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
		\$0.00	\$7,542.65	\$0.00	\$7,542.65
Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
09/04	09/04	PPLN01	24036294248714487936325	LIFETECHCORP*12365406 800-955-6288 CA	\$1,104.13
09/13	09/13	PPLN01	24036294257718964129351	LIFETECHCORP*12636500 800-955-6288 CA	\$4,821.45
09/15	09/16	PPLN01	24692164259102102821732	AMAZON MKTPL*F63FF7BG3 Amzn.com/bill WA	\$63.76
09/18	09/19	PPLN01	24692164262104795174127	AMAZON MKTPL*5U4MH5DU3 Amzn.com/bill WA	\$64.88
09/25	09/25	PPLN01	24036294269714929432275	LIFETECHCORP*12705118 800-955-6288 CA	\$1,275.23
09/26	09/27	PPLN01	24692164270101966943702	Amazon.com*9U85J4RR3 Amzn.com/bill WA	\$8.35
09/27	09/29	PPLN01	24692164271102340848905	AMZN Mktpl US*MD06KOTG3 Amzn.com/bill WA	\$204.85

Cardholder Account Summary					
ERIKA CASTILLO [REDACTED]		Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
		\$0.00	\$1,183.97	\$0.00	\$1,183.97
Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
09/04	09/05	PPLN01	24011344248000092223834	AMCA* CA HTTPSWWWW.MOSQ CA	\$1,070.00
09/07	09/08	PPLN01	24036294251742961397270	VISTAPRINT 866-207-4955 MA	\$113.97

Cardholder Account Summary					
JUDITH PIERCE [REDACTED]		Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
		\$835.35-	\$377.50	\$0.00	\$457.85-
Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
08/29	09/04		74717054247292423864141	CREDIT VOUCHER MINUTEMAN PRESS OAKLAND 510-8327746 CA	\$835.35-
09/05	09/06	PPLN01	24755424250132509862980	BENZON RESEARCH NC 717-2581183 PA	\$210.00
09/08	09/08	PPLN01	24692164252106200959291	AMAZON MKTPL*:Z87T144T2 Amzn.com/bill WA	\$48.10
09/17	09/18	PPLN01	24011344262000004899243	CANVA* I04277-82493305 HTTP:SCANVA.CO DE	\$119.40

Finance Charge Summary / Plan Level Information									
Plan Name	Plan Description	FCM <sup>1</sup>	Average Daily Balance	Periodic Rate *	Corresponding APR	Finance Charges	Effective APR Fees **	Effective APR	Ending Balance
<b>Purchases</b>									
PPLN01 001	PURCHASE	E	\$0.00	0.06008%(D)	21.9900%	\$0.00	\$0.00	0.0000%	\$19,990.60
<b>Cash</b>									
CPLN01 001	CASH	A	\$0.00	0.06554%(D)	23.9900%	\$0.00	\$0.00	0.0000%	\$0.00
* Periodic Rate (M)=Monthly (D)=Daily							Days In Billing Cycle: 31		
** includes cash advance and foreign currency fees							APR = Annual Percentage Rate		
<sup>1</sup> FCM = Finance Charge Method									
(V) = Variable Rate If you have a variable rate account the periodic rate and Annual Percentage Rate (APR) may vary.									

**Alameda County Mosquito Abatement District**

**Income Statement**

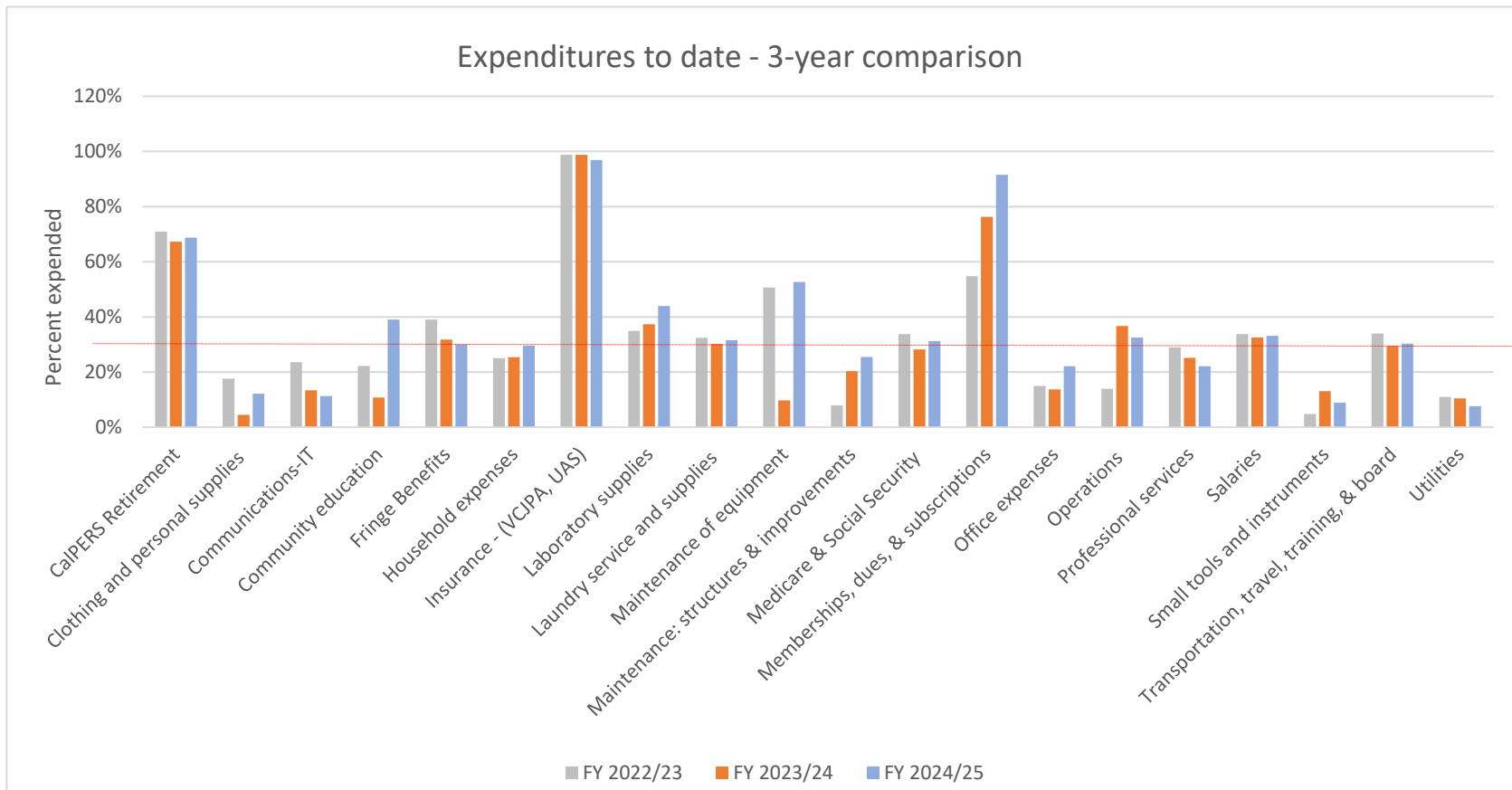
October 31, 2024. (4 of 12 mth, 33%)

<b>REVENUES</b>	<b>Actual 2022/23</b>	<b>Actual 2023/24</b>	<b>Current Month</b>	<b>Year to Date 2024/25</b>	<b>Budget 2024/25</b>	<b>Actual vs Budget</b>
<b>Total Revenue</b>	<b>\$ 5,926,614.00</b>	<b>\$ 5,933,154.64</b>	<b>\$ -</b>	<b>\$ 601,682.33</b>	<b>\$ 5,473,754.00</b>	<b>11%</b>

<b>EXPENDITURES</b>	<b>Actual 2022/23</b>	<b>Actual 2023/24 <sup>1</sup></b>	<b>Current Month <sup>2</sup></b>	<b>Year to Date 2024/25</b>	<b>Budget 2024/25</b>	<b>Actual vs Budget</b>
Salaries	\$ 2,129,077.24	\$ 2,467,139.80	\$ 231,545.10	\$ 925,614.35	\$2,790,566	33%
CalPERS Retirement	\$ 471,085.19	\$ 550,197.73	\$ 23,779.37	\$ 447,829.72	\$651,622	69%
Medicare & Social Security	\$ 30,025.60	\$ 33,316.10	\$ 3,661.31	\$ 14,494.93	\$46,370	31%
Fringe Benefits	\$ 484,487.10	\$ 609,707.18	\$ 50,169.29	\$ 205,054.86	\$683,134	30%
<b>Total Salaries, Retirement, &amp; Benefits</b>	<b>\$ 3,114,675.13</b>	<b>\$ 3,660,360.81</b>	<b>\$ 309,155.07</b>	<b>\$ 1,592,993.86</b>	<b>\$4,171,692</b>	<b>38%</b>
Clothing and personal supplies (purchased)	\$ 7,881.80	\$ 5,152.23	\$ 449.56	\$ 1,154.95	\$9,500	12%
Laundry service and supplies (rented)	\$ 10,417.41	\$ 14,403.58	\$ 542.22	\$ 5,047.21	\$16,000	32%
Utilities	\$ 18,134.35	\$ 20,058.86	\$ 543.62	\$ 1,992.78	\$26,000	8%
Communications-IT	\$ 74,950.03	\$ 81,050.81	\$ 1,701.24	\$ 14,241.41	\$125,500	11%
Maintenance: structures & improvements	\$ 26,671.36	\$ 20,777.24	\$ 779.16	\$ 7,660.19	\$30,000	26%
Maintenance of equipment	\$ 25,354.56	\$ 31,326.10	\$ 1,078.52	\$ 14,759.26	\$28,000	53%
Transportation, travel, training, & board	\$ 120,418.29	\$ 129,998.25	\$ 13,301.85	\$ 34,776.97	\$114,525	30%
Professional services	\$ 97,726.00	\$ 99,674.72	\$ 27,126.33	\$ 35,569.22	\$160,600	22%
Memberships, dues, & subscriptions	\$ 25,103.23	\$ 22,113.94	\$ 9,338.00	\$ 26,531.94	\$29,000	91%
Insurance - (VCJPA, UAS)	\$ 160,932.64	\$ 209,342.00	\$ -	\$ 196,831.00	\$203,198	97%
Community education	\$ 26,225.45	\$ 37,729.24	\$ 6,612.16	\$ 21,453.06	\$55,000	39%
Operations	\$ 182,575.57	\$ 304,478.37	\$ 2,875.80	\$ 93,343.65	\$287,500	32%
Household expenses	\$ 25,388.02	\$ 20,057.16	\$ 1,816.33	\$ 6,724.65	\$22,700	30%
Office expenses	\$ 7,002.84	\$ 9,974.95	\$ 807.31	\$ 2,211.10	\$10,000	22%
Laboratory supplies	\$ 82,354.03	\$ 139,128.04	\$ 16,179.43	\$ 57,103.86	\$130,000	44%
Small tools and instruments	\$ 1,963.31	\$ 1,644.91	\$ 18.66	\$ 265.68	\$3,000	9%
<b>Total Staff Budget</b>	<b>\$ 893,098.89</b>	<b>\$ 1,146,910.40</b>	<b>\$ 83,170.19</b>	<b>\$ 519,666.93</b>	<b>\$1,250,523</b>	<b>42%</b>
<b>Total Operating Expenditures</b>	<b>\$ 4,007,774.02</b>	<b>\$ 4,807,271.21</b>	<b>\$ 392,325.26</b>	<b>\$ 2,112,660.79</b>	<b>\$5,422,215</b>	<b>39%</b>

1 - As of June 30, 2024. Unaudited.

2 - Total Operating Expenditures in current month may not match the check register due to accounts receivable, petty cash transactions, and transactions related to the previous fiscal year.



The red line indicates the estimated percentage of the budget that should be expended at this point in the fiscal year (33%). CalPERS Retirement, Insurance, and Memberships, dues & subscriptions are paid upfront at the beginning of the fiscal year.



**Alameda County Mosquito Abatement District  
Investment, Reserves, and Cash Balance Report  
October 31, 2024. (4 of 12 mth, 33%)**

Account #	Investment Accounts	Beginning Balance	Deposits	Withdrawals	Earnings <sup>1</sup>	Ending Balance
1004	LAIF	\$ 111,816.09	\$ -	\$ -	\$ 1,326.02	\$ 113,142.11
1005	OPEB Fund	\$ 5,145,657.42	\$ -	\$ -	\$ (116,181.43)	\$ 5,029,475.99
1006	VCJPA Member Contingency <sup>2</sup>	\$ 324,583.00	\$ -	\$ (4,351.00)	\$ 11,729.00	\$ 331,961.00
1011	CAMP: Capital Reserve Fund	\$ 359.39	\$ -	\$ -	\$ 1.53	\$ 360.92
1012	PARS: Pension Stabilization <sup>3</sup>	\$ 3,043,474.86	\$ -	\$ -	\$ 40,917.19	\$ 3,084,392.05
1014	California CLASS: Operational Fund <sup>4</sup>	\$ 1,964,345.43	\$ -	\$ (392,335.47)	\$ 7,593.38	\$ 1,579,603.34
1015	California CLASS: Repair and Replace Fund	\$ 3,984,692.97	\$ -	\$ -	\$ 16,888.30	\$ 4,001,581.27
1017	California CLASS Enhanced: Public Health Emergency Fund	\$ 514,448.88	\$ -	\$ -	\$ 2,174.17	\$ 516,623.05
1018	California CLASS Enhanced: Operating Reserve Fund	\$ 2,162,345.97	\$ -	\$ -	\$ 9,138.53	\$ 2,171,484.50
<b>Total</b>		<b>\$ 17,251,724.01</b>	<b>\$ -</b>	<b>\$ (396,686.47)</b>	<b>\$ (26,413.31)</b>	<b>\$ 16,828,624.23</b>

Account #	Cash Accounts	Beginning Balance	Withdrawals	Activity	Ending Balance
1003	County Account	\$ 842,127.17	\$ -	\$ -	\$ 842,127.17
1019	Five Star Bank (Transfer Account) *	\$ 316,204.63	\$ -	\$ -	\$ 206,707.34
1020	Five Star Bank (Payroll Account) *	\$ 143,050.11	\$ -	\$ -	\$ 142,288.53
1021	Petty Cash	\$ 348.38	\$ -	\$ (47.35)	\$ 301.03
<b>Total</b>		<b>\$ 1,301,730.29</b>	<b>\$ -</b>	<b>\$ (47.35)</b>	<b>\$ 1,191,424.07</b>

1 - Earnings are booked as unrealized gains/losses. These earnings would not be recognized as "realized" gains/losses until the accounts are liquidated.

2 - VCJPA Member Contingency balance is as of September 30, 2024.

3 - PARS - Pension Stabilization balance is as of September 30, 2024.

4 - \$392,335.47 transferred from CA CLASS: Operational Fund to Five Star Bank for October expenditures.

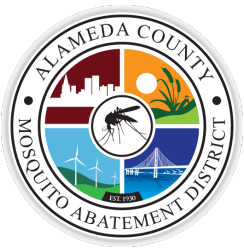
\* - Ending balance differs from beginning balance due to checks clearing the account.

Alameda County Mosquito Abatement District  
Balance Sheet Comparison  
October

ASSETS	10/31/2024	10/31/2023	10/31/2022
<b>Current Assets</b>			
Bank of America payroll <sup>1</sup>	\$ -	\$ 146,328.38	\$ 155,122.44
Bank of the West <sup>2</sup>	-	-	439,364.45
County	842,127.17	898,725.94	785,311.28
Cash with LAIF	113,142.11	108,311.53	1,191,385.10
VCJPA- Member Contingency	331,961.00	308,734.00	341,986.00
CAMP - Repair and Replace <sup>3</sup>	-	-	2,648,878.89
CAMP - Public Health Emergency <sup>4</sup>	-	-	-
CAMP - Operating Reserve <sup>5</sup>	-	-	1,965,348.68
CAMP - Capital Reserve Fund	360.92	428,933.73	372,723.68
PARS	3,084,392.05	2,287,594.80	1,984,673.57
Five Star Bank - Transfer account	202,474.70	195,138.70	-
Five Star Bank - Payroll account	136,807.08	-	-
California CLASS: Public Health Emergency Fund <sup>6</sup>	-	531,064.84	531,355.19
California CLASS: Operational Fund	1,579,603.34	1,697,165.98	-
California CLASS: Repair and Replace Fund	4,001,581.27	3,261,690.96	-
California CLASS: Operating Reserve Fund <sup>7</sup>	-	2,057,883.66	-
California CLASS Enhanced: Public Health Emergency Fund	516,623.05	-	-
California CLASS Enhanced: Operating Reserve Fund	2,171,484.50	-	-
Accounts Receivable	-	-	534.35
Petty cash	301.03	255.96	321.34
<b>Total Current Assets</b>	<b>12,980,858.22</b>	<b>11,921,828.48</b>	<b>10,417,004.97</b>
<b>Property and Equipment</b>			
Acc Dep - equipment	(1,737,755.00)	(1,737,755.00)	(1,709,382.00)
Acc Dep - stru & improv	(2,833,179.00)	(2,833,179.00)	(2,723,997.00)
Construction in progress	-	42,524.31	-
Equipment	1,928,764.71	1,849,716.30	1,830,175.69
Structure/improvement	5,520,627.06	4,760,618.00	4,760,618.00
Land	61,406.00	61,406.00	61,406.00
<b>Total Property and Equipment</b>	<b>2,939,863.77</b>	<b>2,143,330.61</b>	<b>2,218,820.69</b>
<b>Other Assets</b>			
Net OPEB Asset	1,696,641.00	1,199,826.00	1,225,311.00
<b>Total Other Assets</b>	<b>1,696,641.00</b>	<b>1,199,826.00</b>	<b>1,225,311.00</b>
<b>Total Assets</b>	<b>\$ 17,617,362.99</b>	<b>\$ 15,264,985.09</b>	<b>\$ 13,861,136.66</b>
<b>LIABILITIES AND CAPITAL</b>			
<b>Current Liabilities</b>			
Accounts payable	\$ 199,382.66	\$ 161,682.84	\$ 125,677.02
Acc payroll/vacation	237,815.12	210,892.93	201,023.94
Def inflow - 75	667,236.00	667,236.00	1,046,869.00
Def inflow pen defer GASB 68	272,874.00	272,874.00	1,941,395.00
Defer outflow pen cont GASB 68	(1,900,029.00)	(1,900,029.00)	(822,206.00)
Net pension liability GASB 68	4,327,920.00	4,327,920.00	2,034,280.00
<b>Total Current Liabilities</b>	<b>\$ 3,805,198.78</b>	<b>\$ 3,740,576.77</b>	<b>\$ 4,527,038.96</b>
<b>Total Liabilities</b>	<b>3,805,198.78</b>	<b>3,740,576.77</b>	<b>4,527,038.96</b>
<b>Capital</b>			
Designated fund balances	4,247,975.23	3,851,684.55	3,044,832.55
Investment in general fixed as	10,742,456.24	8,970,984.88	7,642,845.18
Net Income	(1,178,267.26)	(1,298,261.11)	(1,353,580.03)
<b>Total Capital</b>	<b>13,812,164.21</b>	<b>11,524,408.32</b>	<b>9,334,097.70</b>
<b>Total Liabilities &amp; Capital</b>	<b>\$ 17,617,362.99</b>	<b>\$ 15,264,985.09</b>	<b>\$ 13,861,136.66</b>

1 - Bank of America account is in the process of being closed.  
2 - Bank of the West account closed June 2023.  
3 - CAMP: Repair and Replace Fund closed February 2023.  
4 - CAMP: Public Health Emergency Fund closed September 2022.

5 - CAMP: Operating Reserve Fund closed February 2023.  
6 - California CLASS: Public Health Emergency Fund closed June 2024.  
7 - California CLASS: Operating Reserve Fund closed July 2024.



## Board of Trustees

### *President*

Cathy Roache

### *County-at-Large*

### *Vice-President*

Tyler Savage

### **Alameda**

### *Secretary*

Valerie Arkin

### **Pleasanton**

Robin López

### **Albany**

P. Robert Beatty

### **Berkeley**

Kashef Qaadri

### **Dublin**

John Bauters

### **Emeryville**

John Zlatnik

### **Fremont**

George Syrop

### **Hayward**

Maya Manoharan

### **Livermore**

Lisa Rasler

### **Oakland**

Eric Hentschke

### **Newark**

Hope Salzer

### **Piedmont**

Victor Aguilar

### **San Leandro**

Subru Bhat

### **Union City**

### **Ryan Clausnitzer**

*General Manager*

## OPERATIONS REPORT

On the afternoon of October 9th, staff identified an adult specimen of *Aedes aegypti* collected in Pleasanton. Operations has long prepared for such a detection with implementation of our response plan occurring the following day. After an all-hands-on deck meeting, operations staff proceeded to the collection site where they conducted door-to-door inspections at Pleasanton residences for potential mosquito sources. Staff also inspected the County Fairgrounds along with schools, churches, and businesses in the detection area. This process continued each day, including weekends, in hopes of catching all residents at home. The following week, several more adults of this species were found in the Alameda County Fairgrounds and surrounding neighborhoods. These detections widened the perimeter of door-to-door inspections. Staff also found *Ae. aegypti* larvae at two locations in the fairgrounds and in a sump pump at an apartment complex. Over 700 properties were visited with over more than 450 properties inspected during this period, and since that 2<sup>nd</sup> week, no new collections of this species' larvae or adult were found.

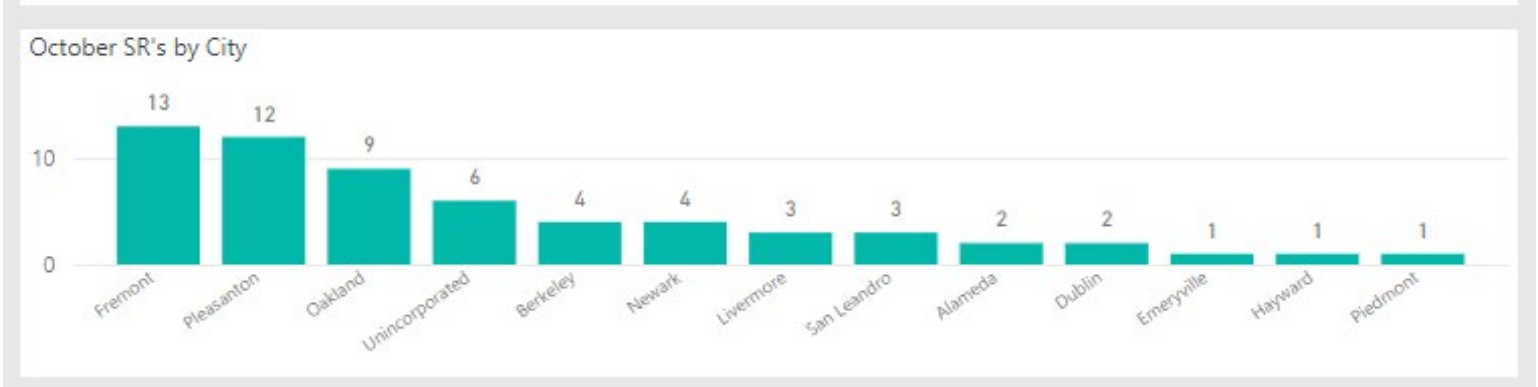
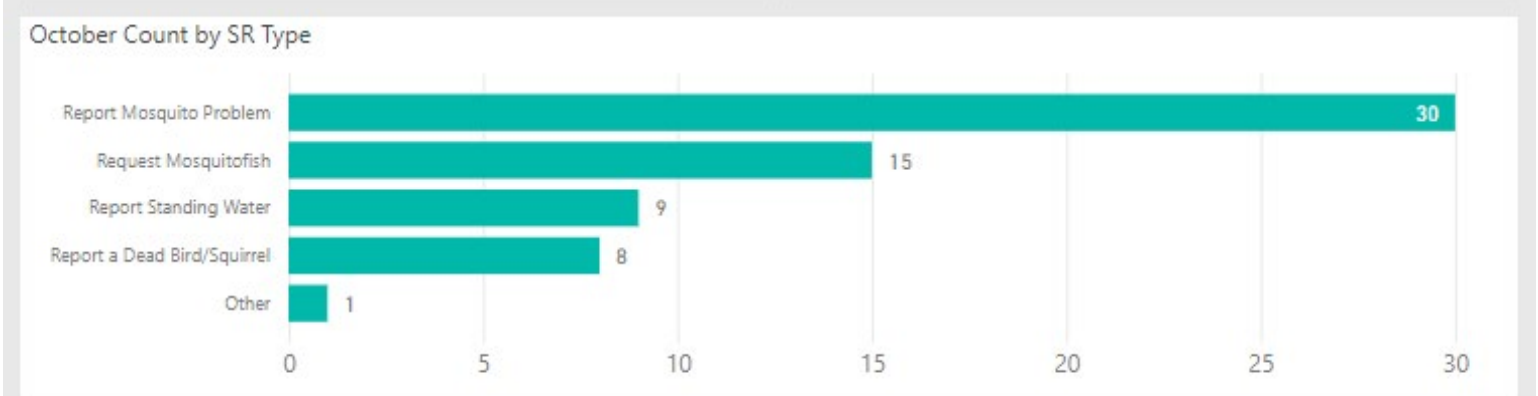
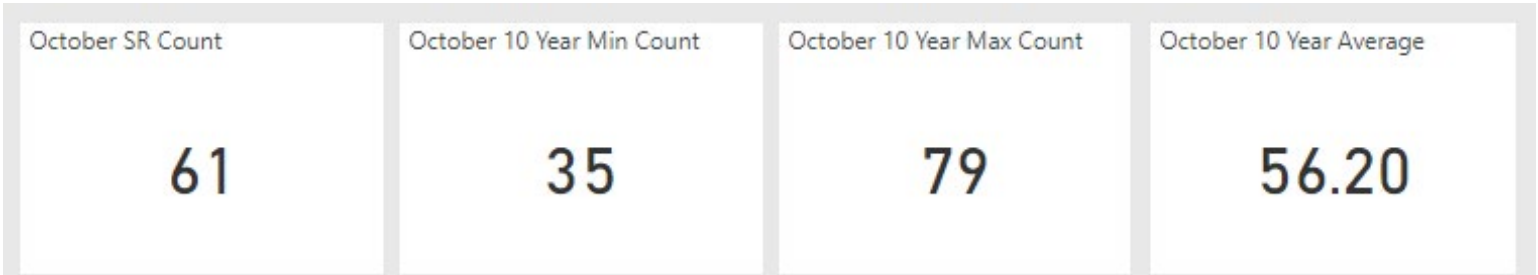
Several species of invasive *Ae. spp.* mosquitoes are now established throughout California including *Ae. aegypti*, which spreads dengue, yellow fever, chikungunya, and Zika virus. If a human infected with one of these viruses is fed upon by an *Ae. aegypti*, that mosquito may pass the virus to the next person it feeds on. This local transmission began to occur in Los Angeles County in 2023 and is now more widespread in southern California this year.

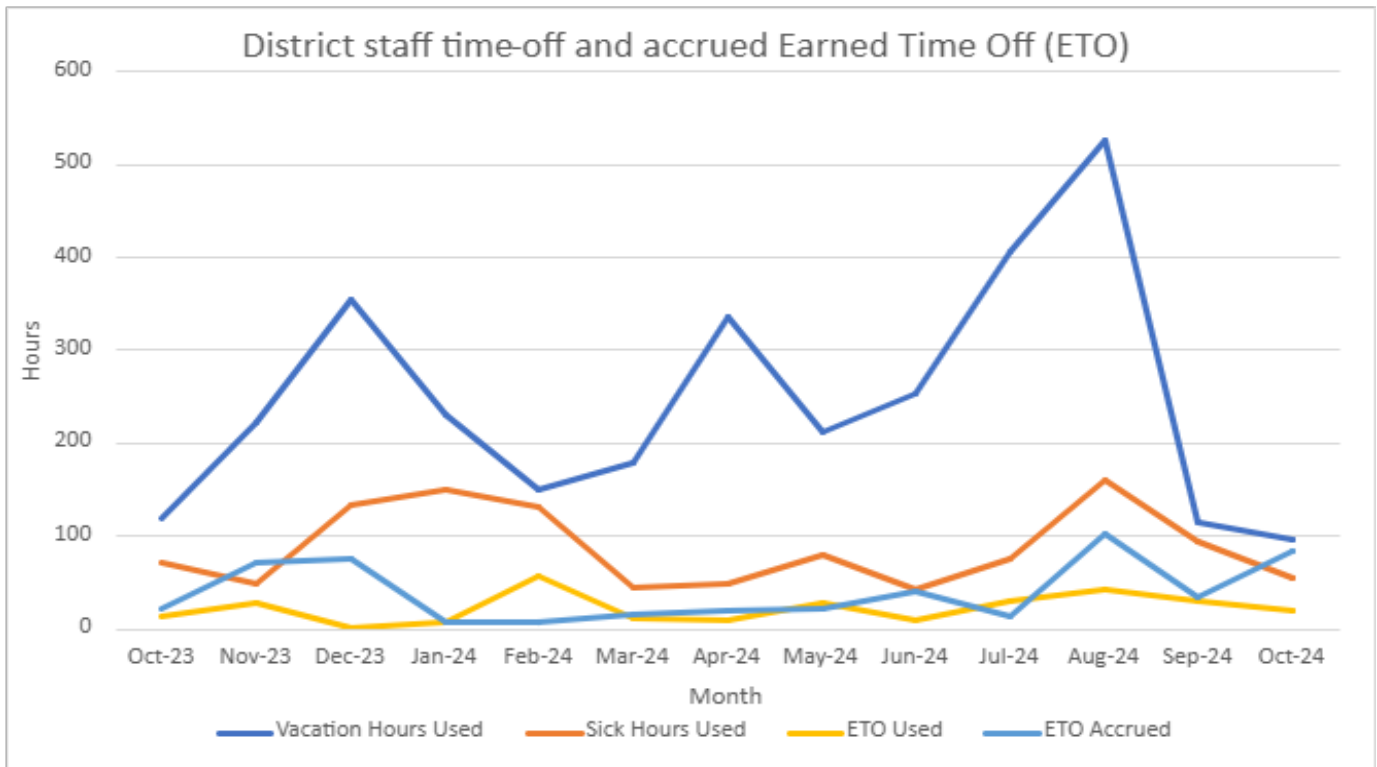
*Ae. aegypti* is known as a “container breeding” mosquito, laying eggs singly in often cryptic sources such as flowerpots, saucers, containers, tires, sumps, drains, tree holes and even a cap full of water. This requires inspection of areas, including backyards, very thoroughly to detect any breeding and to identify potential sources. Working in teams of two makes this process more effective as dedicating one inspector to communicate directly with the resident during the inspection process leads to sustainable outcomes and fewer return inspections. Invasive *Aedes* work will continue in the detection area but as temperatures shift and rainfall begins, this mosquito tends to become inactive. Plus, mosquito control must still be managed in other areas of the County. Operations staff are planning to restart the extensive work in this detection area with the onset of spring.

*Field Operations Supervisor*

*Joseph Huston*

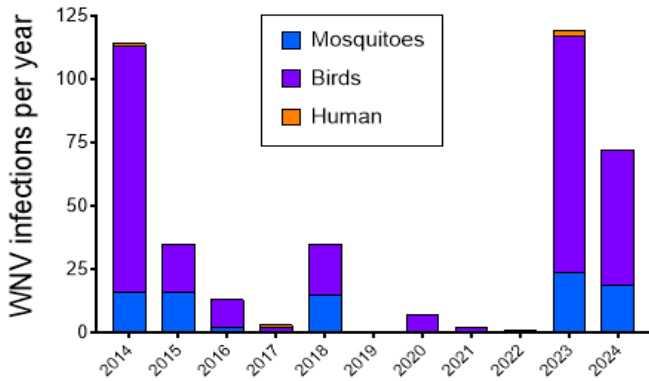
## Service Requests October 2024



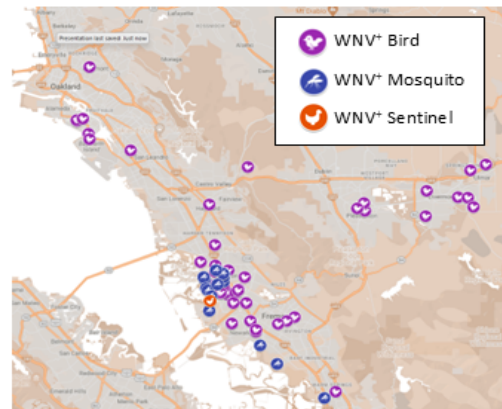


**WNV Activity Report**

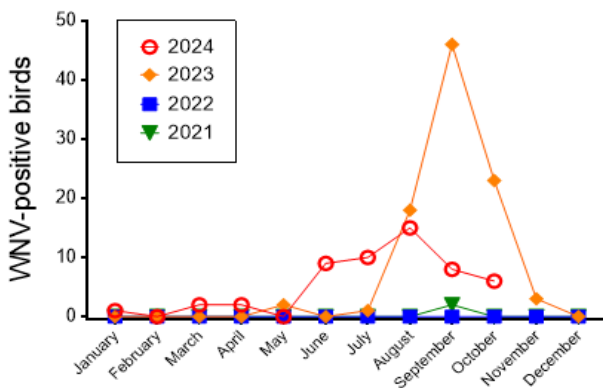
WNV trends in Alameda County  
2014 – 2024



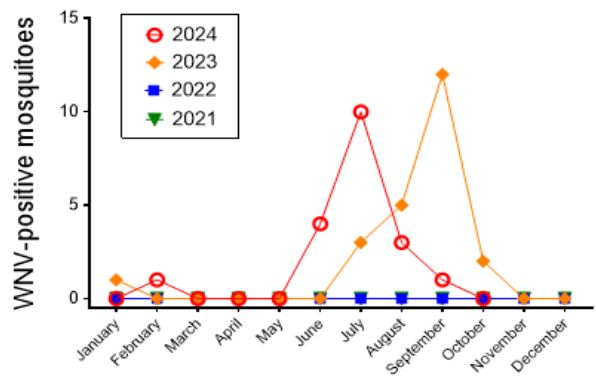
Location of WNV-infected mosquitoes and birds in Alameda County during 2024



WNV-infected birds from Alameda County



WNV-infected mosquitoes from Alameda County



## Summary

- *Arboviruses in mosquitoes.* None of the traps from October collected mosquitoes that were infected with West Nile virus (WNV). To date, we have collected nineteen traps that contained WNV-infected mosquitoes. Please see the figures above for WNV Activity in Alameda County.
- *Arboviruses in birds.* One American crow that was collected in Pleasanton during October was infected with WNV. This year, we have collected 53 birds that were infected with WNV. WNV-positive birds have not been found in Albany, Berkeley, Dublin, Emeryville, San Leandro, or San Lorenzo.
- *Native mosquitoes.* 578 CO<sub>2</sub>-baited encephalitis virus survey (EVS) traps were placed this month, catching 6,104 adult female mosquitoes (10.6 mosquitos per trap). This represents a 17% decrease in abundance relative to last month.
- *Human cases.* Human cases of mosquito-borne diseases that may have been acquired in the county have not been reported to us this year (e.g., WNV).
- Adult and subsequently immature *Aedes aegypti* we detected during October at six distinct sites in Pleasanton.

## Arbovirus Monitoring

- One American crow collected in Pleasanton during October was infected with WNV. For the year, a total of 53 birds have tested positive for WNV. Two mosquito traps each from Newark and Union City tested positive this month for WNV. Each WNV detection prompted a lab response, involving the placement of 8 – 15 traps around the area where environmental WNV was detected.
- Our lab analyzed 159 mosquito collections from traps for WNV using RT-PCR, and found none infected with WNV. To date, mosquitoes in 19 separate traps this year have been confirmed to carry WNV. Most of the WNV detections have occurred in a relatively small region in Union City with four coming from Fremont (see the map above in WNV Activity in Alameda County). Additionally, the lab tested 9 birds during October, and none were infected with WNV.
- A second chicken in our sentinel flock near the Alameda Creek Regional Trail seroconverted for WNV during late-October (chickens are tested every two weeks). Seroconversion is a lagging indicator, suggesting that the chicken had been bitten by a mosquito several weeks before we received a positive test.
  - October marks the end of our arbovirus monitoring program using sentinel chickens. Early next month the chickens will be rehomed to a rancher in Union City that enjoys caring for them and making omelets for the family.
- Saint Louis encephalitis virus (SLEV) and Western equine encephalitis virus (WEEV) have not been detected in Alameda County for nearly two decades.
- The Alameda County Public Health Department reported four human cases of dengue in Alameda County, each involving recent travel to areas where dengue is commonly transmitted by mosquitoes. Public health nurses confirmed through interviews that none of the infections were acquired locally in California. For each travel-related dengue case, we conducted trapping near the person's residence to check for the presence of *Aedes aegypti* or *Aedes albopictus*—mosquito species capable of initiating local dengue transmission.

## Native Mosquito Abundance

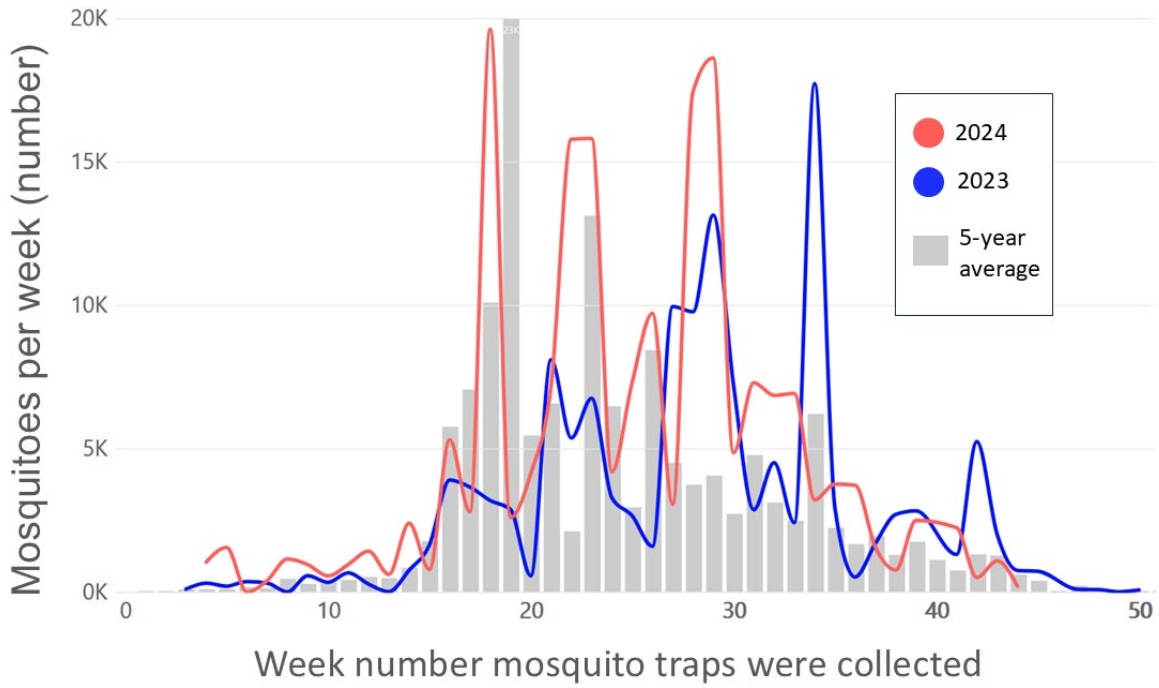
- In California, the main transmitters of WNV, SLEV, and WEEV are: *Culex pipiens* (typically in urban settings), *Culex tarsalis* (associated with marsh and peri-urban areas), and *Culex erythrothorax* (occurs exclusively in marsh but adults can disperse into nearby communities).
- Our mosquito monitoring program for late spring – late fall consists of 181 sites that are routinely surveyed for adult mosquitoes. Of those, 87 are assessed at least every other week, and the remaining 94 are trapped monthly. We also trap for environmental detections of WNV in birds or mosquitoes.
- This month, 578 EVS traps collected a total of 6,104 adult female mosquitoes (10.6 mosquitos per trap). This represents a 17% decrease in adult mosquitoes compared to last month. Overall adult mosquito abundance during October was lower than last and the 5-year average (Figure 1).

- The abundance of *Culex pipiens*, *Culex erythrothorax* and *Culex tarsalis*, all of which can transmit WNV to people, was lower than the prior two years (Figure 2).
  - *Culex erythrothorax*, followed by *Culex pipiens* and *Culex tarsalis*, were the most abundant species captured during the month (Figure 3). However, the number of those species caught was low relative to earlier in the year (Figure 2)
  - Although high tide cycles continued in October, the number of adult *Aedes dorsalis* that emerged remained low (Figure 2).
- The highest mosquito abundance this month was recorded in Newark at a water impoundment with a small tule marsh (Figure 4 and 4C), where traps captured over 1,600 adult *Culex erythrothorax* mosquitoes— 27% of the total caught for the month. Mosquito abundance in the northern regions of the county was relatively low, with most traps capturing 10 or fewer mosquitoes. The exception was a trap at the East Bay Municipal Utility District Wastewater Treatment Plant in Oakland, which captured 250 *Culex pipiens* mosquitoes (Figure 4B). Similar to the northern region, traps in the east of the county collected relatively few mosquitoes (Figure 4D).

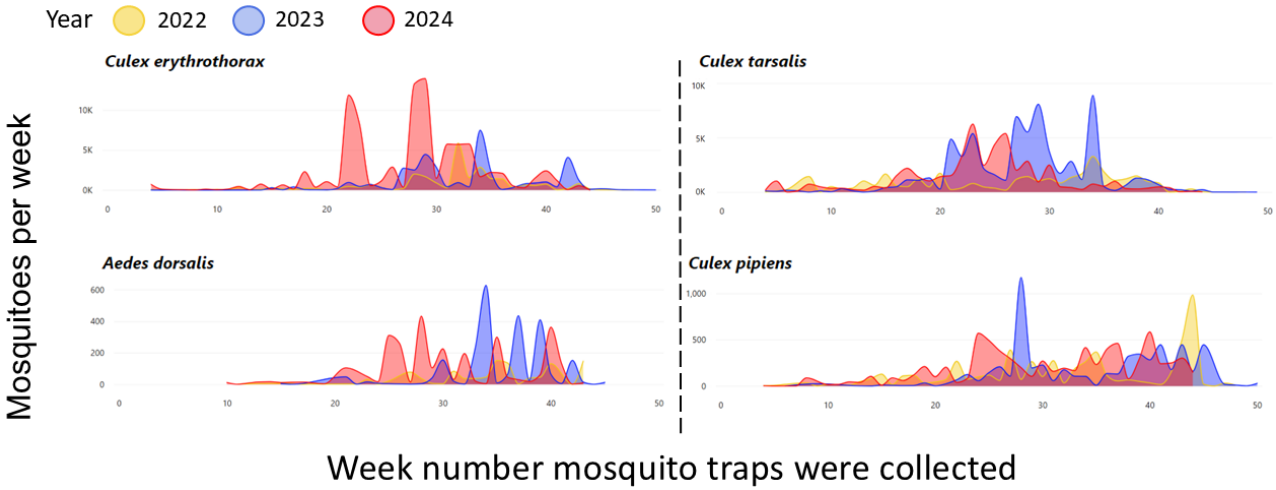
### **Non-native Mosquitoes**

- *Aedes aegypti* was detected this month at six distinct sites in Pleasanton (Figure 5A), marking the first confirmed detection of this species in the county. Although CDPH had previously indicated our county as having *Aedes aegypti* during 2015 due to two mosquitoes, this is the first detection likely due to introduction by visitors from California's Central Valley, where *Aedes aegypti* is common. To date, 9 CO<sub>2</sub> traps have collected a total of 12 adult female *Aedes aegypti*, while two containers have yielded 15 immature larvae in total.
  - *Aedes aegypti* in Alameda County is of high concern because it can spread several diseases including dengue to people, and our county has several people a month returning from travels recovering from a recent dengue infection.
- The first detection was a single adult female *Aedes aegypti* that was collected on October 9 in a CO<sub>2</sub> trap placed at Walnut Grove Park in response to the WNV-infected American crow that was found in Pleasanton (Figure 5B, upper-most red square). The next day, over 60 CO<sub>2</sub> traps were set up in the area, most within a quarter-mile radius of the detection site (Figure 5B, large blue ellipse in the upper center). The second adult *Aedes aegypti* was from a routine native mosquito monitoring traps that was collected from the Alameda County Fairground on October 8. The October 8 trap had not been processed until the week of October 11 because the lab was focused on enacting our response plan for the October 9 detection. Subsequent adult *Aedes aegypti* detections were collected in our response traps (Figure 5B, black ellipses show trap sites and red squares show where adult *Aedes aegypti* were collected). Each new detection triggered placement of 40 – 60 CO<sub>2</sub> traps in the immediate area. As was the case with Operations, Lab Staff worked several weekends in addition to their regular weekday schedule to accomplish the goals of our response plan.
- The lab deployed 94 In2Care traps near the horse stables at Alameda County Fairgrounds (adjacent to where we found the most *Aedes aegypti*) to monitor and suppress *Aedes aegypti* reproduction (Figure 6).
  - In2Care traps are small black containers of water that attract female *Aedes aegypti* seeking to lay eggs. The water contains a chemical and biological pesticide. Eggs deposited in the trap water hatch, but larvae die before emerging as adults. The two pesticides in the water are transferred to the legs and abdomen of the female mosquito who spreads the chemical larvicide to other water containers. The biological pesticide eliminates the adult mosquito.
- With the assistance of Outreach, the lab identified residents willing to host CO<sub>2</sub> and ovibucket traps for long-term monitoring of the area where *Aedes aegypti* was detected. Ovibuckets are containers of water similar to the In2Care trap that we demonstrated in a peer-reviewed research publication are highly effective for monitoring *Aedes aegypti* ([2018, Proceedings of the American Mosquito Control Association](#)). They contain a larvicide that prevents larvae from maturing to adults and cost a fraction of In2Care traps, making them an affordable and effective option for long-term site monitoring. Some ovibucket traps were placed late this month with the remainder coming in November.
- In2Care and ovibucket traps will be checked monthly for *Aedes aegypti* eggs and larvae. Water samples will also be collected from each trap and tested for *Aedes aegypti* environmental DNA (eDNA) using a quantitative PCR assay that our lab developed this year. This highly sensitive and easy-to-run assay detects eDNA shed from all life stages of *Aedes aegypti*, allowing efficient, long-term monitoring of detection sites without needing to leverage extraordinary staff resources.

**Lab Figures**

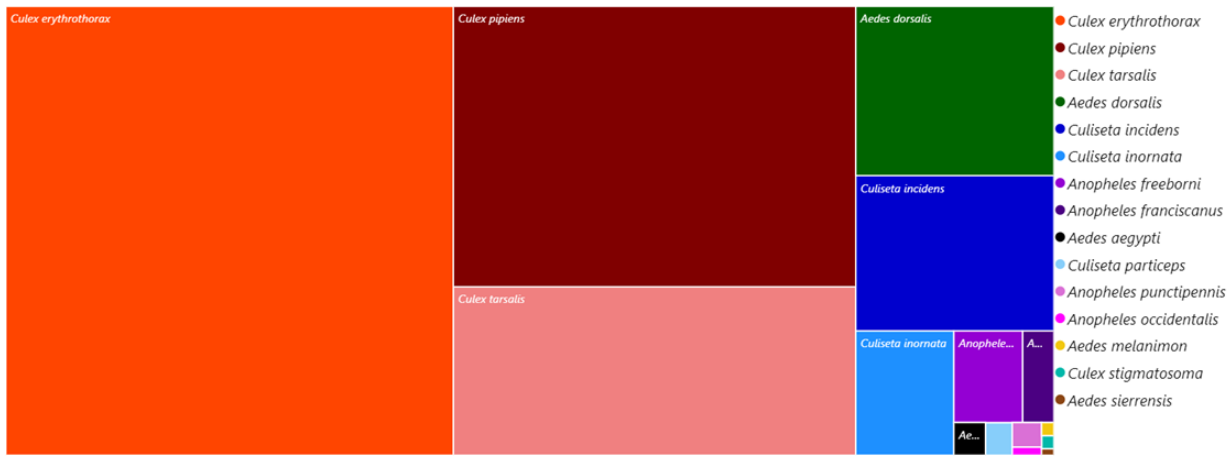
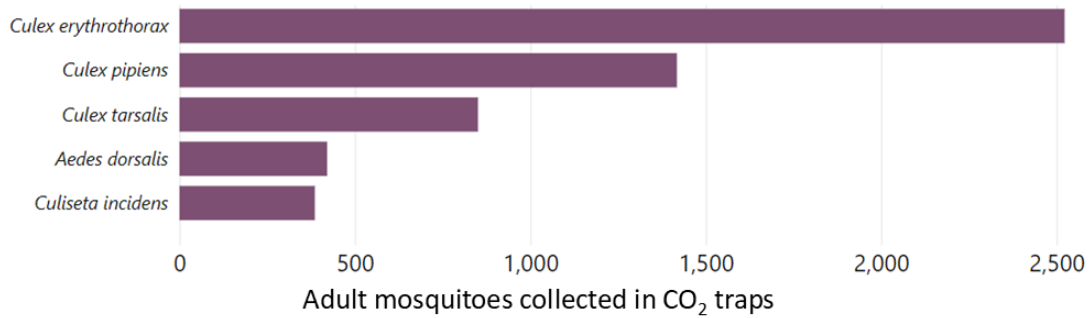


**Figure 1.** Five-year average of mosquito abundance compared to the current and prior year.

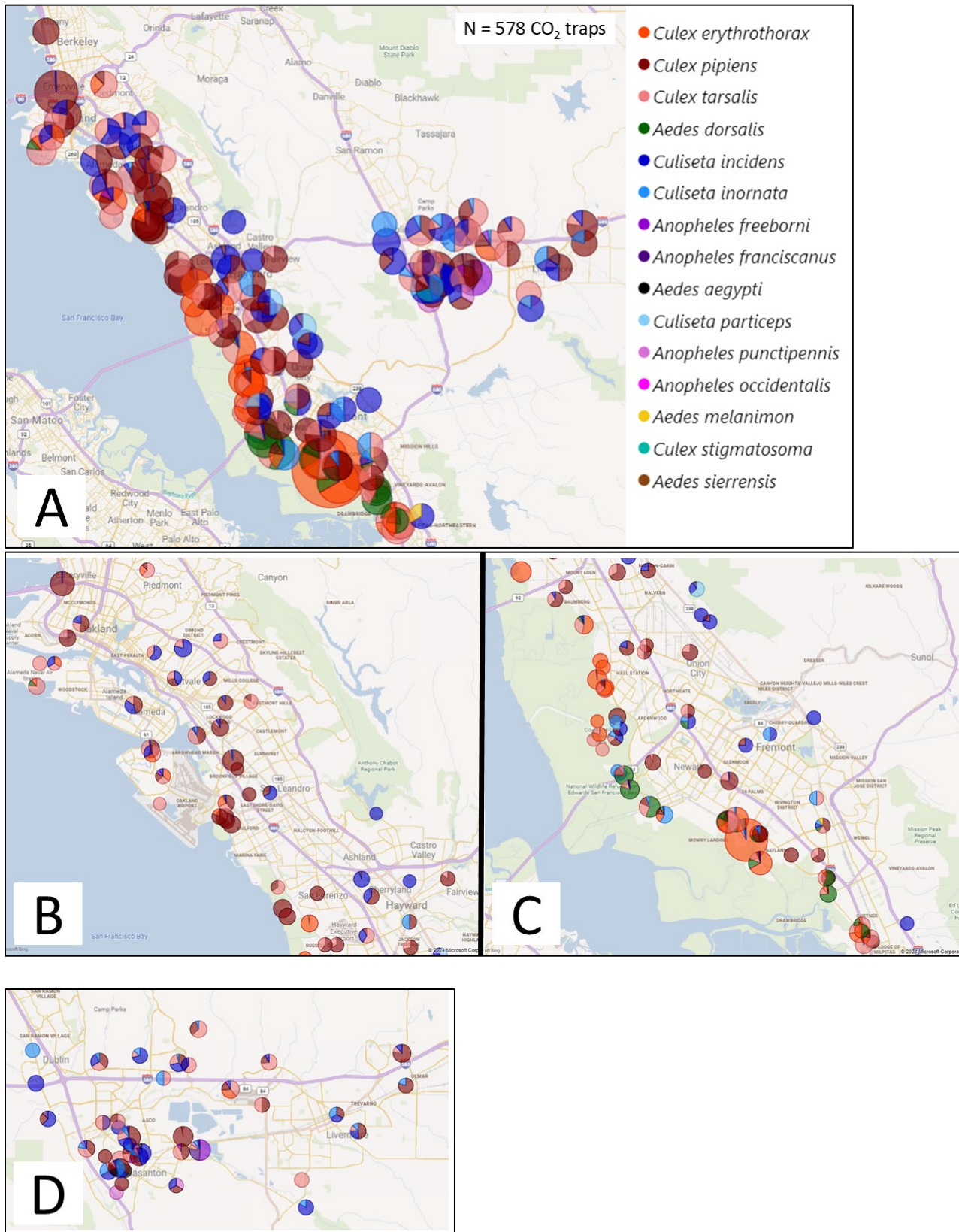


**Figure 2.** Weekly abundance of important mosquito species during 2022, 2023 and 2024.

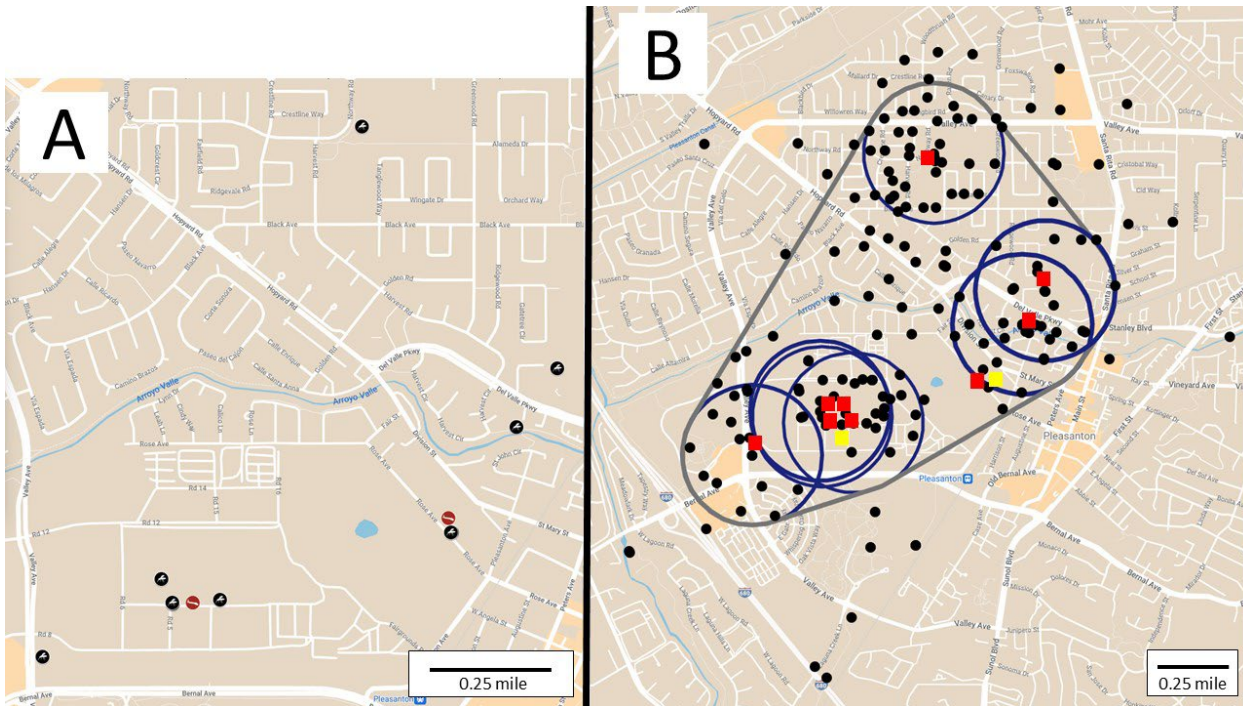




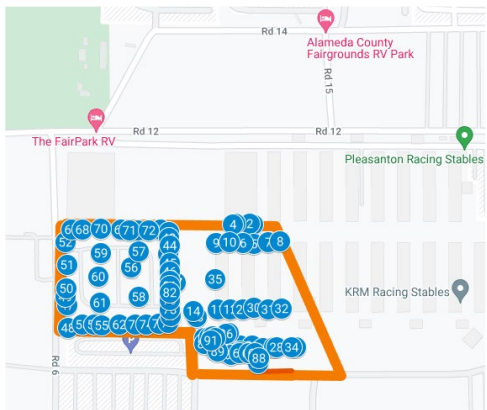
**Figure 3.** The most abundant species of mosquito captured using EVS CO<sub>2</sub> traps from October. Larger squares and rectangles indicate higher abundance of that species.



**Figure 4. Mosquito abundance by trap site evaluated using EVS CO<sub>2</sub> traps.** Pie charts indicate the distribution of mosquito species collected in the traps at that site. The size of each pie chart indicates the relative number of mosquitoes at each site from October in (A) Alameda County (insert with black ellipses show traps that were placed but did not collect mosquitoes), (B) the northern, (C) southern, and (D) eastern regions of the county.



**Figure 5. *Aedes aegypti* detection in Pleasanton and trapping response. (A)** Adult and subsequently immature *Aedes aegypti* we collected in 9 CO<sub>2</sub> traps during October at six distinct sites in Pleasanton (adults indicated with black mosquito icons and larva by red larva icons). **(B)** Lab *Aedes aegypti* response. Red squares show where adults were collected, yellow squares indicate where immature larvae were found and black circles show where CO<sub>2</sub> traps were placed. In many cases, CO<sub>2</sub> traps were placed multiple times at each site. Blue ellipses show 1/4 mile radius around the detection site and the grey ellipse bounds the detection area.



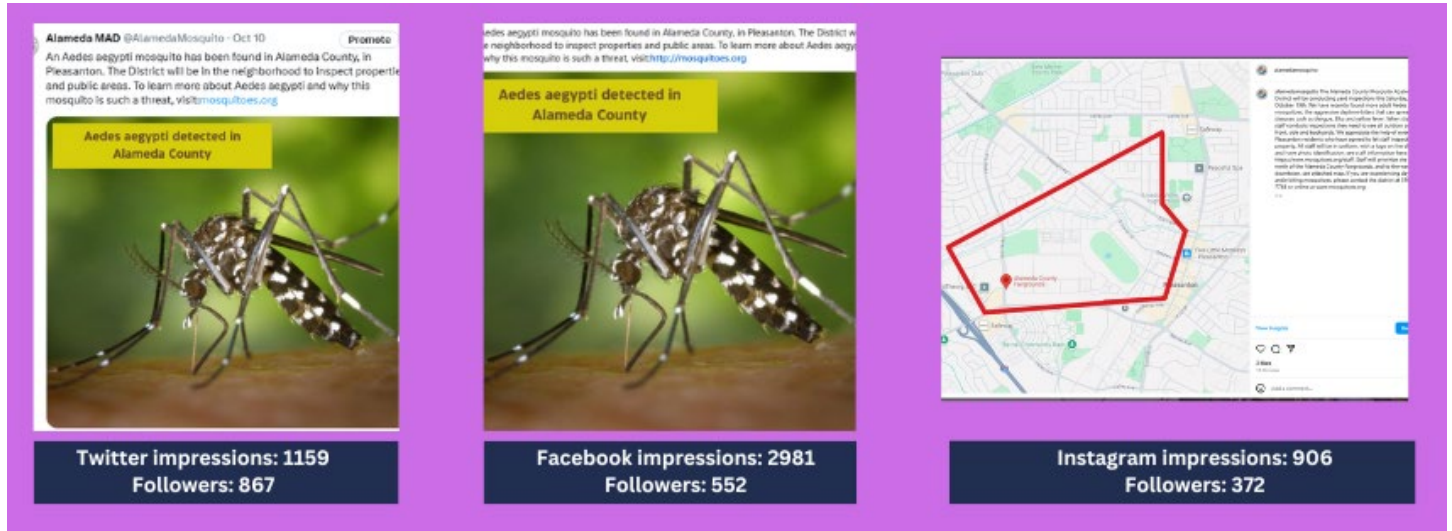
**Figure 6. In2Care trap locations at Alameda County Fairgrounds.** Numbered blue ellipses indicate trap locations and the orange polygon shows the monitoring perimeter.

Analysis and report by Eric Haas-Stapleton PhD, Laboratory Director



## B. Outreach and Engagement

### Social Media



### News Media

- Local coverage:
  - An update on mosquitoes in Fremont was published in the city newsletter.
  - New stories appeared in the Pleasanton Patch, Pleasanton Weekly, CBS News Bay Area, KRON4, Yahoo News by Bay City News, San Francisco Chronicle, and KALW following two press releases about the invasive *Aedes* discovery in the City of Pleasanton.
- Regional coverage:
  - News stories appeared in Local News Matters, MSN News, Bharat Express News, Indica News, Head Topics, and AllSides following the two press releases about the invasive *Aedes* discovery in the City of Pleasanton.

### Translations<sup>1</sup>

- The Spanish invasive *Aedes* handout was updated to be specific to the recent detection.

### Education Program

- Presented to all 1<sup>st</sup> grade students at Alameda's Edison Elementary for the 2<sup>nd</sup> year in a row.
- Presented to STEM teachers in Hayward Unified School District to promote curriculum.

### Community Outreach

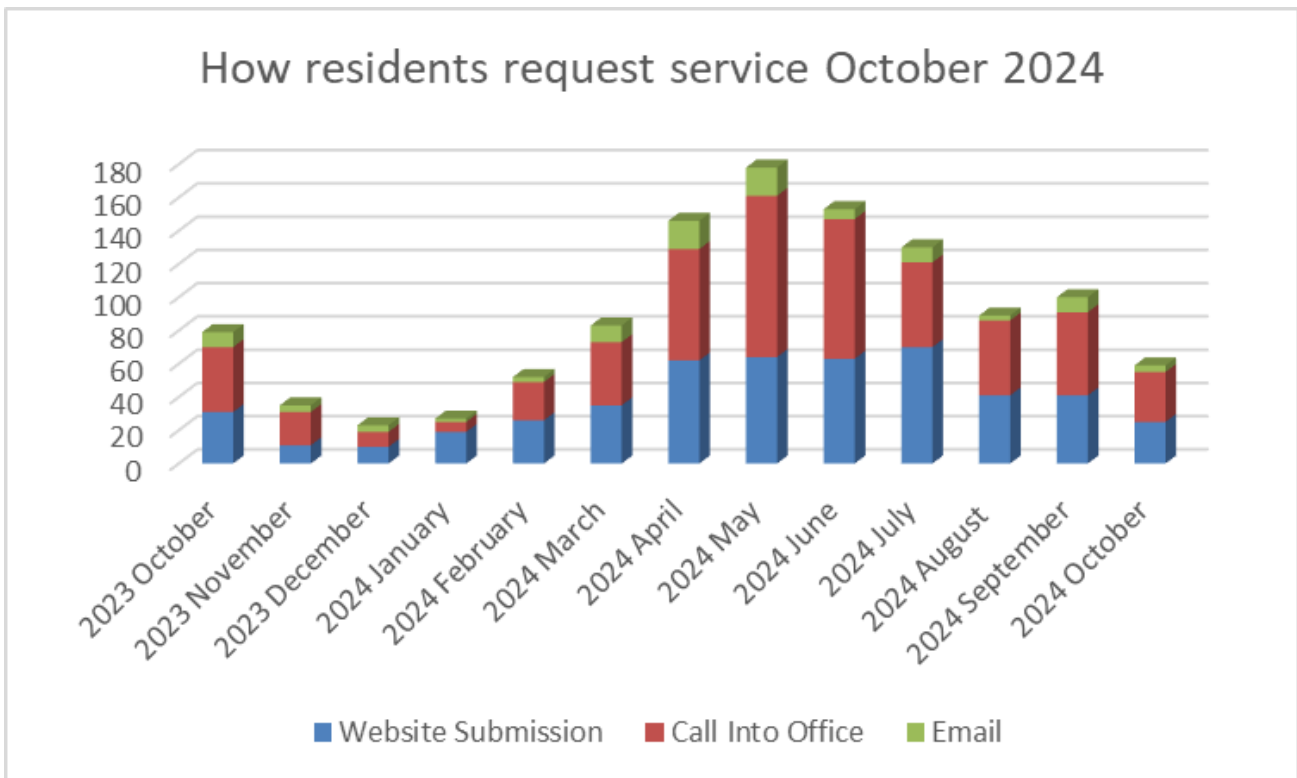
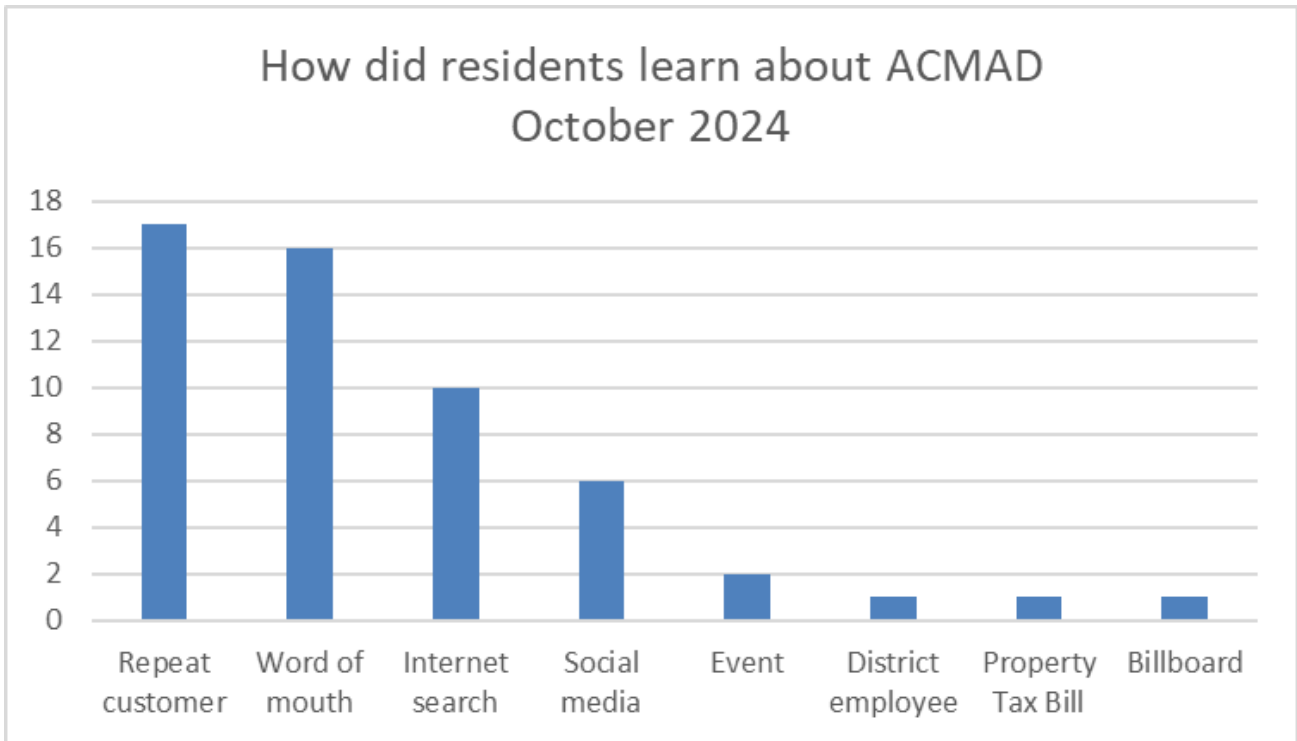
- Science in the Park, Hayward October 5<sup>th</sup>
- Alameda County Office of Agriculture Open House October 24<sup>th</sup>

<sup>1</sup> The following activities contribute to ACMAD's 2024-2026 Strategic Plan Goals to "Identify and translate key documents into several of the primary languages spoken within Alameda County." (2024)



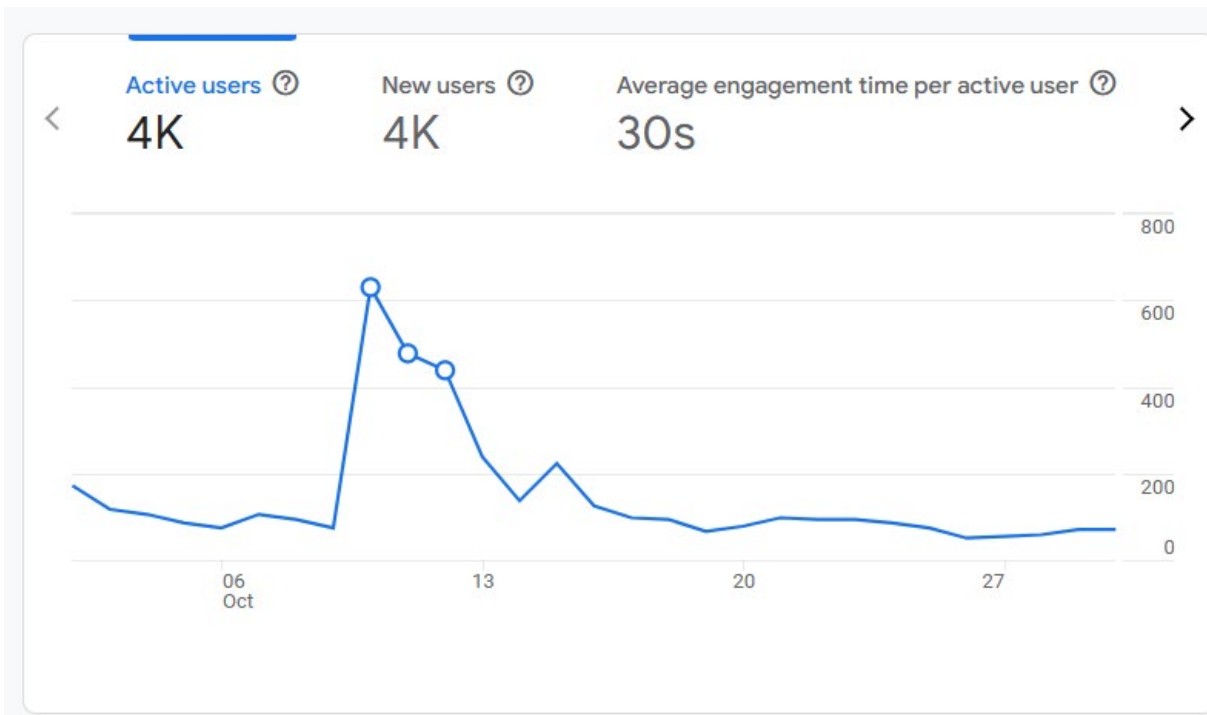
**Top left image:** General Manager Ryan and State Senator Aisha Wahab inspect the mosquitofish tank. **Second left image:** Lab Director Eric Haas-Stapleton and Board President Cathy Roache discuss the drone at the County Ag Open House. **Bottom left image:** Public Outreach Coordinator Judith Pierce answers questions about mosquitoes in Alameda. **Middle top image:** Assemblymember Liz Ortega with Ryan, Erika Castillo, Regulatory and Public Affairs Director, and Judi during Ortega’s visit. **Right top image:** Mosquito Control Seasonal Eric Moyung and Mosquito Control Technician Danny Sharkey at the Science Day Festival in Hayward, along with Alameda County Supervisor Elissa Marquez who is also a former ACMAD trustee. **Bottom middle image:** Associate Vector Scientist Miguel Barretto shows State Senator Aisha Wahab and Chief of Staff Nurges Gheyszada how to identify mosquitoes using lab equipment. **Bottom right image:** Eric shows the drone to Assemblymember Liz Ortega and Senior Field Representative Rosa Rodriguez.

**Service Request Trend Data**

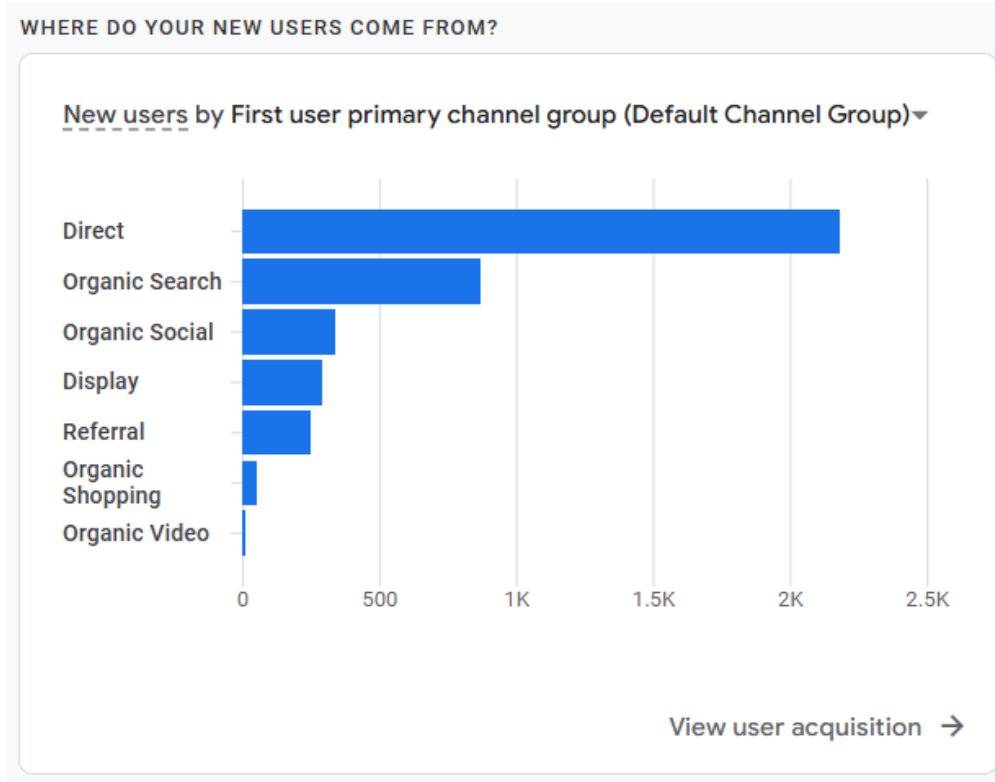


- Calls from targeted houses for inspections in Pleasanton are not reflected in the chart.

## Google Analytics



The outreach team connected with Pleasanton PD and the City of Pleasanton immediately after the *Aedes aegypti* detection on Wednesday October 9<sup>th</sup>, and sent out the press release and updated appropriate social media and website information on Thursday October 10<sup>th</sup>, which caused the spike in visits to the website.



Most website users went to the website directly, but other popular routes were internet search engine, social media shares and our paid display ads.



## **C. REGULATORY UPDATE**

### **Reports and Permits**

- Nothing to report.

### **Project Design Engagements<sup>2</sup>**

- Met with staff from the East Bay Regional Park District, the cities of Berkeley and Albany, the Department of Transportation, and the San Francisco Estuary Institute to discuss the design concepts for habitat restoration work at the North Basin Strip in Berkeley.

### **Interagency Collaborations<sup>3</sup>**

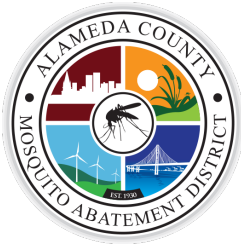
- Hosted a district tour for California Senator Aisha Wahab and her Chief of Staff on 10/18/24. As a follow up to the meeting we provided information on *Aedes aegypti* for inclusion in the Senate District 10 newsletter.
- Hosted a district tour for California Assemblymember Liz Ortega and her Senior Field Representative on 10/22/24.
- Met with the Communications Manager for the San Francisco Estuary Partnership to discuss mosquito messaging that they can promote through their newsletter and social media.
- Demonstrated the drone and Lightning truck at the Alameda County Office of Agriculture Open House on October 24<sup>th</sup>. The event highlighted the various agencies and responsibilities that fall under the Ag Department. A particular highlight was obtaining an updated list of all the registered nurseries in Alameda County, which included 50 more nurseries than the ACMAD list.
- Alerted and worked with multiple agencies in Pleasanton, including the Pleasanton Police Department and the City of Pleasanton, to amplify the message about the invasive *Aedes* detection and ensure they were aware of our work before door-to-door inspections began.
- Worked with the Pleasanton Unified School District to distribute fliers and information about the *Aedes aegypti* detection and the importance of conducting door to door inspections.
- Connected with the Community Emergency Response Team (CERT) management for Pleasanton. A presentation and briefing about the *Aedes aegypti* detection is scheduled for November.

---

<sup>2</sup> *The following activities contribute to ACMAD's 2024-2026 Strategic Plan Goals to "Ensure projects that will help the shoreline be more resilient to climate change impacts include in the design and monitoring plan language that addresses the risks of mosquito production." (2025)*

<sup>3</sup> *The following activities contribute to ACMAD's 2024-2026 Strategic Plan Goals to "Establish new agency partnerships that should be leveraged to amplify our mission of mosquito control." (2025)*





23187 Connecticut Street  
Hayward, CA 94545

T: (510) 783-7744  
F: (510) 783-3903

[acmad@mosquitoes.org](mailto:acmad@mosquitoes.org)

### Staff Anniversary Recognitions:

#### Board of Trustees

##### **President**

Cathy Roache

##### **County-at-Large**

##### **Vice-President**

Tyler Savage

##### **Alameda**

##### **Secretary**

Valerie Arkin

##### **Pleasanton**

Robin López

##### **Albany**

P. Robert Beatty

##### **Berkeley**

Kashef Qaadri

##### **Dublin**

John Bauters

##### **Emeryville**

John Zlatnik

##### **Fremont**

George Syrop

##### **Hayward**

Maya Manoharan

##### **Livermore**

Lisa Rasler

##### **Oakland**

Eric Hentschke

##### **Newark**

Hope Salzer

##### **Piedmont**

Victor Aguilar

##### **San Leandro**

Subru Bhat

##### **Union City**

##### **Ryan Clausnitzer**

General Manager

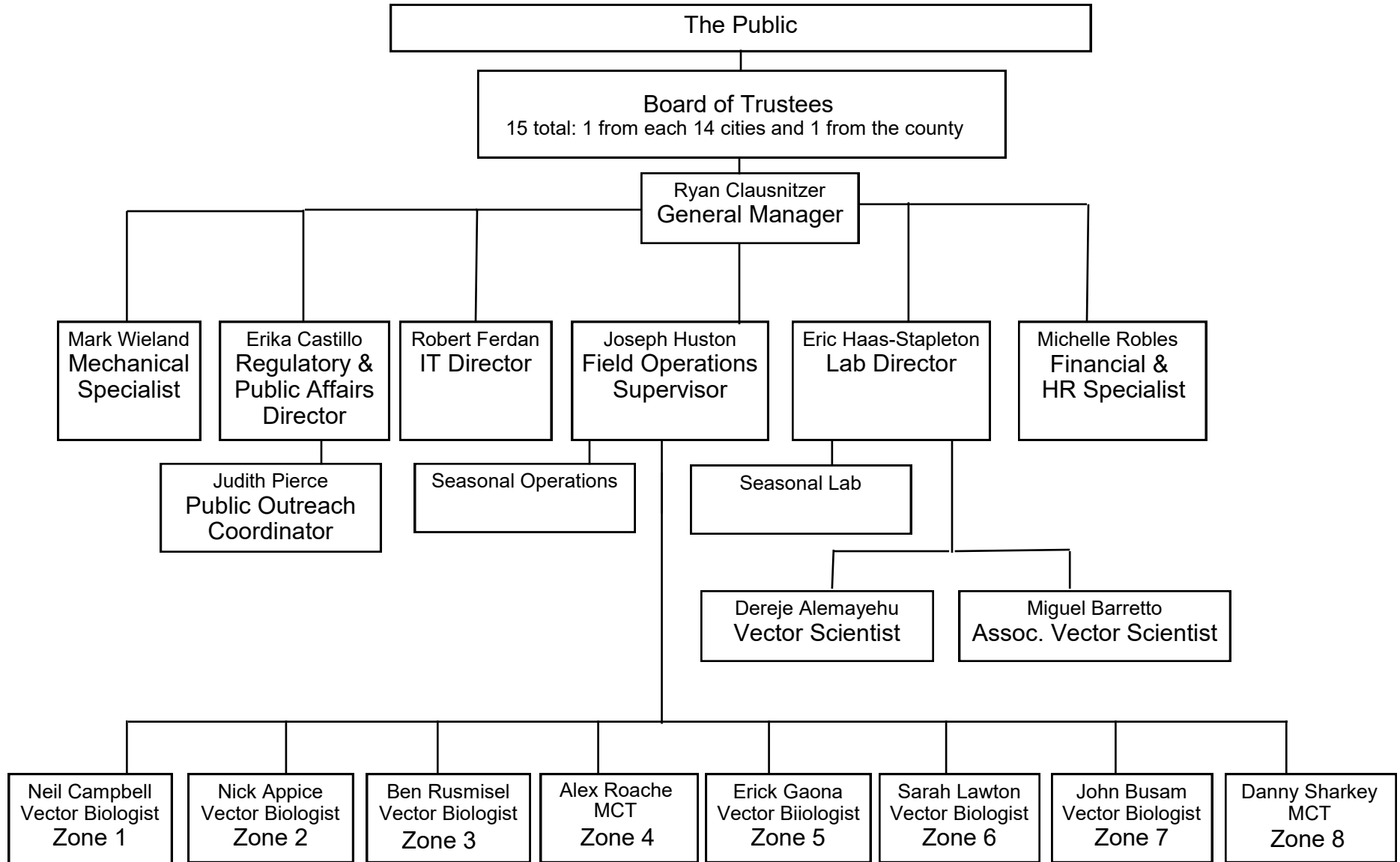
#### Background:

ACMAD is pleased to recognize and thank the following employees on their anniversaries in November.

Employee	Job Title	Years of Service	Anniversary Date
Neil Campbell	Vector Biologist	21	November 17 <sup>th</sup>
Erick Gaona	Vector Biologist	5*	November 19 <sup>th</sup>

*\* Per District Policy §107.1, Staff and Trustees are awarded a pewter belt buckle engraved with the District logo for their 5-year anniversary.*

# Alameda County Mosquito Abatement District-2024



## California Arbovirus Surveillance Bulletin #30

Week 44 Friday, Nov 1, 2024



### WEEKLY UPDATE

#### **Humans**

##### West Nile virus

A total of 9 new human cases of West Nile virus (WNV) disease were reported this week from 3 counties: Fresno (2), Los Angeles (6), and Merced (1). In 2024, 107 human cases of WNV disease were reported from 23 counties. Of the 107 cases, 81 (76%) had neuroinvasive disease and 11 (10%) were fatal. The median age of the case-patients was 59.5 years and 67 (63%) of the case-patients were male. The dates of symptom onset ranged from May 28 to October 7. In addition to the 107 cases of WNV disease, 16 asymptomatic WNV-positive blood donors have been reported from 7 counties: Butte (1), Contra Costa (1), Fresno (3), Los Angeles (6), San Bernardino (2), Santa Clara (2), and Stanislaus (1). At this time last year, 299 human cases of WNV disease had been reported from 33 counties.

##### St. Louis encephalitis virus

No human cases of St. Louis encephalitis virus (SLEV) disease have been reported. At this time last year, 12 human cases of SLEV disease had been reported from 6 counties.

##### Dengue virus

In 2024, there have been 13 locally acquired dengue infections reported from 2 counties: Los Angeles (11) and San Diego (2). Locally acquired and travel associated dengue cases are indicated in the CDPH Weekly Update on Number of Dengue Infections:

<https://westnile.ca.gov/pdfs/WeeklyUpdateDengueInfectionsCA.pdf>

#### **Dead Birds**

A total of 14 new WNV positive dead birds were reported from 2 counties: San Diego (1) and Santa Clara (13). In 2024, 521 WNV positive dead birds have been reported from 21 counties. At this time last year, 845 WNV positive dead birds had been reported from 31 counties.

#### **Mosquito Pools**

##### West Nile virus

A total of 2 new WNV positive mosquito pools were reported from 1 county: Los Angeles (2). In 2024, 1,998 WNV positive mosquito pools have been reported from 25 counties. At this time last year, 4,485 WNV positive mosquito pools had been reported from 31 counties.

##### St. Louis encephalitis virus

No new SLEV positive mosquito pools were reported this week. In 2024, 34 SLEV positive mosquito pools have been reported from 5 counties: Fresno (14), Imperial (1), Kings (3), Madera (4), and Tulare (12). At this time last year, 728 SLEV positive mosquito pools had been reported from 15 counties.

#### **Sentinel Chickens**

A single new WNV positive sentinel chicken was reported this week from 1 county: Alameda (1). In 2024, 158 WNV positive sentinel chickens have been reported from 16 counties. At this time last year, 185 WNV positive sentinel chickens had been reported from 17 counties.

## California Arbovirus Surveillance Bulletin #30

Week 44 Friday, Nov 1, 2024

<b>2023 &amp; 2024 YTD West Nile Virus Comparisons</b>		
	<b>2023</b>	<b>2024</b>
Total No. Dead Bird Reports	6,397	6,073
No. Positive Counties	42	32
No. Human Cases	299	107
No. Positive Dead Birds / No. Tested	845 / 1,942	521 / 1,746
No. Positive Mosquito Pools / No. Tested	4,485 / 51,522	1,998 / 47,234
No. Seroconversions / No. Tested	185 / 3,544	158 / 4,593

<b>YTD WNV Activity by Element and County, 2024</b>					
<b>County</b>	<b>Humans</b>	<b>Horses</b>	<b>Dead Birds</b>	<b>Mosquito Pools</b>	<b>Sentinel Chickens</b>
Alameda			53	20	2
Butte	11		4	70	28
Calaveras	1				
Colusa	1		1		2
Contra Costa	3		6	10	8
Fresno	13		1	208	
Glenn	1				
Imperial				3	
Kern	9			48	
Kings	5			87	
Lake			3	13	7
Los Angeles	19	1	17	204	41
Madera			1	110	
Merced	3		1	44	12
Nevada					1
Orange	1		1	48	
Placer		1	4	93	
Riverside	4		3	217	
Sacramento	5	1	66	53	1
San Bernardino	4		10	76	
San Diego	2	1	6		
San Joaquin	2	1	6	188	
San Mateo			36		
Santa Clara	3		292	34	
Shasta	1			37	2
Solano			2	13	8
Stanislaus	5			56	
Sutter				32	20
Tehama	1	1			6
Tulare	1			236	10
Yolo	8		6	66	3
Yuba	4	1	2	32	7
<b>Totals</b>	<b>107</b>	<b>7</b>	<b>521</b>	<b>1,998</b>	<b>158</b>

## California Arbovirus Surveillance Bulletin #30

Week 44 Friday, Nov 1, 2024

### TESTING SUMMARIES

		WNV	SLEV	WEEV
<b>Human Cases</b>	Week	9	0	0
	YTD	107	0	0

		Positive / Total Tested					
		WNV	SLEV	WEEV	CHIK	DENV	ZIKA
<b>Dead Birds</b>	Week	14 / 15					
	YTD	521 / 1,746					
<b>Chicken Sera</b>	Week	1 / 80	0 / 80	0 / 80			
	YTD	158 / 4,593	0 / 4,593	0 / 4,593			
<b>Mosquito Pools</b>	Week	2 / 416	0 / 416	0 / 416	0 / 34	0 / 34	0 / 34
	YTD	1,998 / 47,234	34 / 43,655	0 / 43,678	0 / 1,362	0 / 1,362	0 / 1,362

### POSITIVES

#### Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
San Diego	San Diego Co VCP	Julian	92036	California Scrub-Jay	9/29/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Altos	94022	Unknown	10/16/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95112	Unknown	10/17/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	10/18/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Altos	94024	House Wren	10/21/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	10/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Altos	94024	American Crow	10/22/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95117	American Crow	10/24/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95126	American Crow	10/24/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Gatos	95032	American Crow	10/24/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95136	American Crow	10/24/2024	WNV
Santa Clara	Santa Clara Co VCD	Mountain View	94040	American Crow	10/24/2024	WNV
Santa Clara	Santa Clara Co VCD	Sunnyvale	94086	American Crow	10/24/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95138	American Crow	10/24/2024	WNV

#### Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Los Angeles	GRLA 2574	6053	Cx quinquefasciatus	Sherman Oaks	50	GRVD	10/23/2024	WNV
Los Angeles	GRLA 2580	6051	Cx quinquefasciatus	Sherman Oaks	50	GRVD	10/23/2024	WNV

#### Sentinel Chickens

County	Site Code	Nearest City	Date Bled	Virus	Band 01
Alameda	ALCO 200	Unknown	10/21/2024	WNV	26

## California Arbovirus Surveillance Bulletin #30

Week 44 Friday, Nov 1, 2024

### TEST PROTOCOLS

#### **Humans:**

Specimens are tested by local laboratories with an IgM or IgG immunofluorescent assay (IFA) and/or an IgM enzyme immunoassay (EIA). Specimens with inconclusive results are forwarded to the California Department of Public Health Viral and Rickettsial Disease Laboratory (VRDL) for further testing with a plaque reduction neutralization test (PRNT).

---

#### **Dead Birds**

Oral swab samples collected from bird carcasses are tested at the UC Davis Arbovirus Research and Training laboratory (DART) or at a local agency for West Nile virus by RT-qPCR.

---

#### **Sentinel Chickens:**

Dried blood spot samples from sentinel chickens are tested at the California Department of Public Health Vector-Borne Disease Laboratory for IgG antibodies to West Nile, St. Louis encephalitis, and western equine encephalomyelitis viruses by an EIA. Positive samples are confirmed by IFA, western-blot, or PRNT.

---

#### **Mosquito Pools:**

Mosquito pools are tested at DART or at a local agency for West Nile, western equine encephalomyelitis, and St. Louis encephalitis viral RNA using a multiplex RT-qPCR. Invasive *Aedes* mosquitoes (*Ae. aegypti* and *Ae. albopictus*) are also tested at DART for chikungunya, dengue, and Zika viral RNA by a separate RT-qPCR.

---

*Website Information:* For updated information on WNV in California, please visit the California WNV website, <https://westnile.ca.gov>, or the California Vector-Borne Disease Surveillance System website, <https://maps.vectorsurv.org>

*Prepared by the Vector-Borne Disease Section (Infectious Diseases Branch), California Department of Public Health, 850 Marina Bay Parkway, Richmond, CA 94804. Questions concerning this bulletin should be addressed to Hannah Romo: [Hannah.Romo@cdph.ca.gov](mailto:Hannah.Romo@cdph.ca.gov)*