

AGENDA
1129th MEETING OF THE BOARD OF TRUSTEES
OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT
OCTOBER 9TH, 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 Qadri, 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. 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 1128th Regular Meeting held August 14th, 2024 (**Board action required**).
5. Replacement of three district-owned right-hand Jeeps with leased Enterprise Fleet Management (EFM) vehicles (**Board action required**).
 - a. Staff report
 - b. Quote from EFM
6. Presentation by IT Director Robert Ferdan: *Why Worry About Unmaintained Swimming Pools?* (Information only)
7. Verbal update from the ad-hoc manager evaluation committee (Information only).

8. Financial Reports as of September 30th, 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. Invasive aedes detections in Santa Clara and Contra Costa counties.
- c. Locally acquired dengue fever cases in Los Angeles County
- d. CDPH Weekly Arbovirus Surveillance Bulletin
- e. Mosquito & Vector Control Association of California Annual Conference
Registration: January 27th-29th, 2025 at the Oakland City Center Marriot
- f. 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.

HOW TO OBSERVE THE MEETING:

Telephone: Listen to the meeting live by calling Zoom at (669) 900-6833

Enter the **Meeting ID#** 864 0724 8266 followed by the pound (#) key.

Computer: Watch the live streaming of the meeting from a computer by navigating to: <https://us02web.zoom.us/j/86407248266>

Mobile: Log in through the Zoom mobile app on a smartphone and enter **Meeting ID#** 864 0724 8266

HOW TO SUBMIT PUBLIC COMMENTS:

Before the Meeting: Please email your comments to 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, 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

1128th MEETING OF THE BOARD OF TRUSTEES OF THE ALAMEDA COUNTY MOSQUITO ABATEMENT DISTRICT

August 14th, 2024

TIME: 5:00 P.M.
PLACE: Hybrid Meeting of the Board of Trustees
Physically held at the Office of the District
23187 Connecticut Street, Hayward, CA 94545 and
Teleconferencing at: <https://us02web.zoom.us/j/82188307384>
TRUSTEES: Cathy Roache, President, County-at-Large
Tyler Savage, Vice-President, City of Alameda
Valerie Arkin, Secretary, City of Pleasanton: *from 3740 Newton, Pleasanton*
Robin López, City of Albany
P. Robert Beatty, City of Berkeley
Kashef Qaadri, City of Dublin
John Bauters, City of Emeryville: *from 4260 Halleck St. Emeryville*
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
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, Beatty, Qaadri, Zlatnik, Hentschke and Bhat were present in person at the district. Trustee Arkin attended remotely from the publicly posted location above. Trustees Syrop and Rasler arrived in person at 5:04 pm and 5:06 pm, respectively. Trustee Bauters attended remotely from the publicly posted location above at 5:05 pm. Trustees López, Salzer and Aguilar were absent. Trustees Savage and Manoharan attended remotely under AB 2449 which required Board approval.
Motion: Trustee Zlatnik moved to approve remote attendance for Trustees Savage and Manoharan
Second: Trustee Qaadri
Roll Call 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 for item 5. Vector Biologist, Sarah Lawton, was present to record the minutes. Information & Technology Director, Robert Ferdan, was present for technical support.
4. Approval of the minutes of the 1127th meeting held July 10th, 2024.

Discussion: None

Motion: Trustee Hentschke moved to approve the minutes

Second: Trustee Arkin

Roll Call Vote: Motion carries: Trustee Syrop abstains.

5. Presentation by Eric Haas-Stapleton, PhD: *California's Tiny Troublemakers: A Look at Mosquito-borne Diseases.*

Discussion: Trustee Beatty asked if *Culex* species are attracted to blood sources other than birds (in this area, birds are their preferred bloodmeals.) Trustee Hentschke asked if *Culex pipiens* can smell the odor of dirty water (yes, we use foul water in certain traps.) Trustee Beatty asked if pigeons spread WNV (they are not a good reservoir for WNV.) Trustee Bhat added that Dengue is a major problem in India. Trustee Hentschke asked about the four Dengue serotypes (if someone is infected with one serotype, they are immune to that one type; but if infected by a second one, it is much more life threatening.) Trustee Hentschke wanted to clarify that someone would have to have dengue once before it would get that bad (yes.) Trustee Beatty pointed out that most Dengue deaths are children. Trustee Manoharan asked why not vaccinate more and added that since there are so many types, that is why it is hard to vaccinate (Trustee Beatty answered that the vaccine is not that effective or even available in the US and India, for example.) President Roache asked about Santa Clara's *Aedes aegypti* response, has it been primarily adult control (yes, with some inspections of properties, but slowly as many restrictions have prevented efforts.)

6. Verbal Update from the ad-hoc manager evaluation committee.

Discussion: President Roache reported that there is no update and that the members have been trying to link together schedules. She suggests picking a date and time after the meeting today. Trustee Bhat asked why not do so now (do not need to keep others waiting while we pick a date.)

7. Review of CalPERS June 30th, 2023, valuation reports

Discussion: The General Manager gave background information and explained the reports. Trustees Beatty and Qaadri and the General Manager discussed actual amounts of funding in the accounts. Trustee Qaadri thanked the General Manager for the update and would be interested in hearing more information as it becomes available.

8. Financial Reports as of July 31st, 2024

Discussion: The General Manager presented highlights from the Financial Report.

9. Presentation of the Monthly Staff Report

Discussion: The General Manager presented highlights from the Staff Report. Lab Director, Eric Haas-Stapleton, presented the Lab Report. Trustee Qaadri asked Eric if he thinks birds and mosquitoes will outpace WNV infections from last year (not sure, last year had water for a long time that may have contributed to the high numbers.) Trustee Beatty pointed out that the scale abundance for *Cx. erythrothorax* is much different than for *Ae. dorsalis*, that may be confusing to some who don't realize it. He also pointed out that each abundance ring is only about 10 mosquitoes, not hundreds like he originally thought. Trustee Qaadri asked about mosquito pooling (if a trap has a lot of mosquitoes, we will pool together 50 mosquitoes from that trap, but we do not pool different trap locations.) Trustee Zlatnik asked how mosquitoes and viruses are identified (mosquitoes identified by eye, the viruses are identified using in-house quantitative PCR.)

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: None

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

Discussion: None

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

Discussion: The General Manager mentioned there will be an unmaintained pool project update.

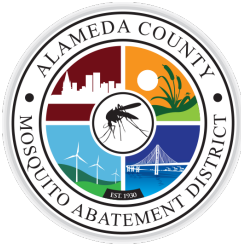
14. Adjournment at 6:43 pm.

Respectfully submitted,

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

Tyler Savage, Vice President
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

Replacement of three district-owned right-hand Jeeps with leased Enterprise Fleet Management (EFM) vehicles

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:

In April 2024, the Board of Trustees authorized the General Manager to execute an agreement with EFM to lease no more than eight vehicles while selling the replaced vehicles. *This* action would authorize the General Manager to replace *three more* district-owned vehicles with leased equivalents. The timing of this request is based on the availability of this difficult-to-source specialty vehicle: a right-hand Jeep used for catch-basin mosquito treatments. By ordering in October, the three Jeeps should be delivered to the District in time for the spring control season, considering the aftermarket equipment installation process. The district-owned vehicles listed below are past the Capital Replacement Plan’s 12-year replacement timeline.

After these three vehicles are sold, and with the eight vehicles authorized to be replaced in a prior action, the district’s fleet will consist of ten owned and eleven leased vehicles. The next district-owned vehicle scheduled to be replaced with a leased equivalent will not occur until 2027, based on the District’s 12-year replacement cycle in the 2019 Capital Replacement Plan.

Recommendation: Authorize the General Manager to lease three right-hand Jeeps in FY 2024-25. Staff will then auction the three district-owned vehicles listed below, when the leased vehicles arrive:

#	Make/ Model	Primary User	Mileage*
V37	2005 Jeep Wrangler 4x4 Right Hand Drive	Operations Staff	77,394
V38	2005 Jeep Wrangler 4x4 Right Hand Drive	Operations Staff	77,793
V49	2013 Jeep Wrangler 4x4 Right Hand Drive	Operations Staff	35,571

*As of 9/26/24

Attachment: EFM lease rate quote

Prepared For: Alameda County Mosquito Abatement District
Wieland, Mark

Date 10/02/2024
AE/AM SOC/JPA

Unit #

Year 2025 **Make** Jeep **Model** Wrangler
Series Sport RHD 4dr 4x4

Vehicle Order Type Ordered **Term** 60 **State** CA **Customer#** 294143

\$ 49,378.00	Capitalized Price of Vehicle ¹
\$ 0.00 *	Sales Tax <u>0.0000%</u> State <u>CA</u>
\$ 696.66 *	Initial License Fee
\$ 0.00	Registration Fee
\$ 300.00	Other: (See Page 2)
\$ 37,258.50 *	Capitalized Price Reduction
\$ 4,005.29 *	Tax on Capitalized Price Reduction
\$ 0.00	Gain Applied From Prior Unit
\$ 0.00 *	Tax on Gain On Prior
\$ 0.00 *	Security Deposit
\$ 0.00 *	Tax on Incentive (Taxable Incentive Total : \$0.00)

All language and acknowledgments contained in the signed quote apply to all vehicles that are ordered under this signed quote.

Order Information

Driver Name	
Exterior Color	Bright White Clearcoat
Interior Color	Black w/Cloth Low-Back Bucket Seats
Lic. Plate Type	Exempt
GVWR	0

\$ 12,419.50	Total Capitalized Amount (Delivered Price)
\$ 206.16	Depreciation Reserve @ <u>1.6600%</u>
\$ 125.80	Monthly Lease Charge (Based on Interest Rate - Subject to a Floor) ²
\$ 331.96	Total Monthly Rental Excluding Additional Services

Additional Fleet Management

Master Policy Enrollment Fees

\$ 0.00	Commercial Automobile Liability Enrollment
	Liability Limit <u>\$0.00</u>

\$ 0.00	Physical Damage Management	Comp/Coll Deductible	<u>0 / 0</u>
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\$ 0.00	Full Maintenance Program ³ Contract Miles <u>0</u>	OverMileage Charge	<u>\$ 0.00</u> Per Mile
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Incl: # Brake Sets (1 set = 1 Axle) <u>0</u>	# Tires <u>0</u>	Loaner Vehicle Not Included
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\$ 0.00 Additional Services SubTotal

\$ 35.69	Sales Tax <u>10.7500%</u>	State <u>CA</u>
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\$ 367.65 Total Monthly Rental Including Additional Services

\$ 49.90	Reduced Book Value at <u>60</u> Months
\$ 625.00	Service Charge Due at Lease Termination

Quote based on estimated annual mileage of 7,000
(Current market and vehicle conditions may also affect value of vehicle)
(Quote is Subject to Customer's Credit Approval)

Notes

Enterprise FM Trust will be the owner of the vehicle covered by this Quote. Enterprise FM Trust (not Enterprise Fleet Management) will be the Lessor of such vehicle under the Master Open - End (Equity) Lease Agreement and shall have all rights and obligations of the Lessor under the Master Open - End (Equity) Lease Agreement with respect to such vehicle. Lessee must maintain insurance coverage on the vehicle as set forth in Section 11 of the Master Open-End (Equity) Lease Agreement until the vehicle is sold.

ALL TAX AND LICENSE FEES TO BE BILLED TO LESSEE AS THEY OCCUR.

Lessee hereby authorizes this vehicle order, and agrees to lease the vehicle on the terms set forth herein and in the Master Equity Lease Agreement. In the event Lessee fails or refuses to accept delivery of the ordered vehicle, Lessee agrees that Lessor shall have the right to collect damages, including, but not limited to, a \$500 disposal fee, interest incurred, and loss of value.

LESSEE Alameda County Mosquito Abatement District

BY	TITLE	DATE
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* INDICATES ITEMS TO BE BILLED ON DELIVERY.

¹ Capitalized price of vehicle may be adjusted to reflect final manufacturer's invoice, plus a pre delivery interest charge. Lessee hereby assigns to Lessor any manufacturer rebates and/or manufacturer incentives intended for the Lessee, which rebates and/or incentives have been used by Lessor to reduce the capitalized price of the vehicle.

² Monthly lease charge will be adjusted to reflect the interest rate on the delivery date (subject to a floor).

³ The inclusion herein of references to maintenance fees/services are solely for the administrative convenience of Lessee. Notwithstanding the inclusion of such references in this [Invoice/Schedule/Quote], all such maintenance services are to be performed by Enterprise Fleet Management, Inc., and all such maintenance fees are payable by Lessee solely for the account of Enterprise Fleet Management, Inc., pursuant to that certain separate [Maintenance Agreement] entered into by and between Lessee and Enterprise Fleet Management, Inc.; provided that such maintenance fees are being billed by Enterprise FM Trust, and are payable at the direction of Enterprise FM Trust, solely as an authorized agent for collection on behalf of Enterprise Fleet Management, Inc.

Other Totals

Description	(B)illed or (C)apped	Price
Initial Administration Fee	B	\$ 150.00
Pricing Plan Delivery Charge	B	\$ 150.00
Courtesy Delivery Fee	C	\$ 300.00
Total Other Charges Billed		\$ 300.00
Total Other Charges Capitalized		\$ 300.00
Other Charges Total		\$ 600.00

VEHICLE INFORMATION:

2025 Jeep Wrangler Sport RHD 4dr 4x4 - US

Series ID: JLUL74

Pricing Summary:

	INVOICE	MSRP
Base Vehicle	\$47,233	\$48,445.00
Total Options	\$0.00	\$0.00
Destination Charge	\$1,895.00	\$1,895.00
Total Price	\$49,128.00	\$50,340.00

SELECTED COLOR:

Exterior: PW7-Bright White Clearcoat
 Interior: X9-Black w/Cloth Low-Back Bucket Seats

SELECTED OPTIONS:

CODE	DESCRIPTION	INVOICE	MSRP
22A	Quick Order Package 22A Sport RHD	NC	NC
APA	Monotone Paint Application	STD	STD
DFT	Transmission: 8-Speed Automatic (850RE)	STD	STD
DLK	3.45 Overall Top Gear Ratio	STD	STD
E7	Cloth Low-Back Bucket Seats	STD	STD
EC1	Engine: 2.0L I4 DOHC DI Turbo w/ESS	STD	STD
NAS	50 State Emissions	NC	NC
PW7_01	Bright White Clearcoat	NC	NC
SDA	Normal Duty Suspension	STD	STD
TJK	Tires: 245/75R17 All Season	STD	STD
UBP	Radio: Uconnect 5 w/12.3" Display	STD	STD
WFD	Wheels: 17" x 7.5" Gray	STD	STD
X9_01	Black w/Cloth Low-Back Bucket Seats	NC	NC
Z1E	GVWR: 5,500 lbs	STD	STD

CONFIGURED FEATURES:

Body Exterior Features:

Number Of Doors 4
Rear Cargo Door Type: swing-out
Driver And Passenger Mirror: power remote heated manual folding side-view door mirrors
Power Convertible Roof: manual convertible roof with fixed roll-over protection
Hard Top: convertible hard top
Skid Plates: skid plates
Door Handles: black
Front And Rear Bumpers: black front and rear bumpers
Front Tow Hooks: 2 front and rear tow hooks
Body Material: galvanized steel/aluminum/magnesium body material
Fender Flares: black fender flares
Grille: body-colour w/coloured accents grille

Convenience Features:

Air Conditioning manual air conditioning
Console Ducts: console ducts
Power Sunroof: 1st row manual targa composite sunroof
Cruise Control: cruise control with steering wheel controls
Power Windows: power windows with driver and passenger 1-touch down
1/4 Vent Rear Windows: power rearmost windows
Remote Keyless Entry: keyfob (all doors) remote keyless entry
Illuminated Entry: illuminated entry
Integrated Key Remote: integrated key/remote
Auto Locking: auto-locking doors
Passive Entry: proximity key
Steering Wheel: steering wheel with manual tilting, manual telescoping
Day-Night Rearview Mirror: day-night rearview mirror
Driver and Passenger Vanity Mirror: illuminated auxiliary driver and passenger-side visor mirrors
Emergency SOS: Jeep Connect
Front Cupholder: front and rear cupholders
Floor Console: full floor console with locking box
Glove Box: locking glove box
Driver Door Bin: driver and passenger door bins
Rear Door Bins: rear door bins
Seatback Storage Pockets: 2 seatback storage pockets
Dashboard Storage: dashboard storage
IP Storage: bin instrument-panel storage
Retained Accessory Power: retained accessory power
Power Accessory Outlet: 2 12V DC power outlets

Entertainment Features:

radio AM/FM/Satellite-prep with seek-scan
Radio Data System: radio data system
Voice Activated Radio: voice activated radio
Speed Sensitive Volume: speed-sensitive volume
Steering Wheel Radio Controls: steering-wheel mounted audio controls
Speakers: 8 speakers
Internet Access: 4G LTE Wi-Fi Hot Spot internet access
1st Row LCD: 1 1st row LCD monitor
Wireless Connectivity: wireless phone connectivity
Antenna: window grid antenna

Lighting, Visibility and Instrumentation Features:

Headlamp Type delay-off reflector halogen headlamps
Front Fog Lights: front fog lights
Front Wipers: variable intermittent wipers
Rear Window wiper: fixed interval rear window wiper
Rear Window Defroster: rear window defroster

Rear Window: flip-up rear windshield
Tinted Windows: deep-tinted windows
Dome Light: dome light with fade
Front Reading Lights: front and rear reading lights
Variable IP Lighting: variable instrument panel lighting
Display Type: analog appearance
Tachometer: tachometer
Compass: compass
Exterior Temp: outside-temperature display
Low Tire Pressure Warning: tire specific low-tire-pressure warning
Trip Computer: trip computer
Trip Odometer: trip odometer
Forward Collision Alert: forward collision
Water Temp Gauge: water temp. gauge
Transmission Oil Temp Gauge: transmission oil temp. gauge
Engine Hour Meter: engine hour meter
Clock: in-radio display clock
Systems Monitor: driver information centre
Check Control: redundant digital speedometer
Rear Vision Camera: rear vision camera
Oil Pressure Warning: oil-pressure warning
Water Temp Warning: water-temp. warning
Battery Warning: battery warning
Lights On Warning: lights-on warning
Key in Ignition Warning: key-in-ignition warning
Low Fuel Warning: low-fuel warning
Door Ajar Warning: door-ajar warning
Trunk Ajar Warning: trunk-ajar warning
Brake Fluid Warning: brake-fluid warning
Turn Signal On Warning: turn-signal-on warning
Transmission Fluid Temperature Warning: transmission-fluid-temperature warning

Safety And Security:

ABS four-wheel ABS brakes
Number of ABS Channels: 4 ABS channels
Brake Assistance: brake assist
Brake Type: four-wheel disc brakes
Vented Disc Brakes: front ventilated disc brakes
Spare Tire Type: full-size spare tire
Spare Tire Mount: outside rear mounted spare tire
Driver Front Impact Airbag: driver and passenger front-impact airbags
Driver Side Airbag: seat-mounted driver and passenger side-impact airbags
Overhead Airbag: curtain 1st and 2nd row overhead airbag
Occupancy Sensor: front passenger airbag occupancy sensor
Height Adjustable Seatbelts: height adjustable front seatbelts
Seatbelt Pretensioners: front seatbelt pre-tensioners
3Point Rear Centre Seatbelt: 3 point rear centre seatbelt
Side Impact Bars: side-impact bars
Tailgate/Rear Door Lock Type: tailgate/rear door lock included with power door locks
Rear Child Safety Locks: rear child safety locks
Ignition Disable: Sentry Key immobilizer
Security System: security system
Panic Alarm: panic alarm
Integrated RollOver Protection: integrated roll-over protection
Electronic Stability: electronic stability stability control with anti-rollover
Traction Control: ABS and driveline traction control
Front and Rear Headrests: manual adjustable front head restraints
Rear Headrest Control: 3 rear head restraints

Seats And Trim:

Seating Capacity max. seating capacity of 5

Front Bucket Seats: front bucket seats

Number of Driver Seat Adjustments: 6-way driver and passenger seat adjustments

Reclining Driver Seat: manual reclining driver and passenger seats

Driver Lumbar: manual driver and passenger lumbar support

Driver Height Adjustment: manual height-adjustable driver and passenger seats

Driver Fore/Aft: manual driver and passenger fore/aft adjustment

Front Centre Armrest Storage: front centre armrest with storage

Rear Seat Type: rear 60-40 split-bench seat

Rear Folding Position: rear seat fold-forward seatback

Leather Upholstery: cloth front and rear seat upholstery

Floor Covering: full carpet floor covering

Dashboard Console Insert, Door Panel Insert Combination: metal-look instrument panel insert, door panel insert, console insert

Shift Knob Trim: leather shift knob

LeatherSteeringWheel: leatherette steering wheel

Floor Mats: carpet front and rear floor mats

Cargo Space Trim: carpet cargo space

Cargo Mats: carpet and rubber cargo mat

Cargo Tie Downs: cargo tie-downs

Cargo Light: cargo light

Concealed Cargo Storage: locking concealed cargo storage

Standard Engine:

Engine 270-hp, 2.0-liter I-4 (premium)

Standard Transmission:

Transmission 8-speed automatic w/ OD and auto-manual

AMENDMENT TO MASTER EQUITY LEASE AGREEMENT

THIS AMENDMENT TO MASTER EQUITY LEASE AGREEMENT (this "Amendment") is made and entered into as of the , by and between Enterprise FM Trust, a Delaware statutory trust ("Lessor") and Alameda County Mosquito Abatement District ("Lessee").

WITNESSETH:

WHEREAS, Lessor and Lessee are parties to certain Master Equity Lease Agreement dated 24th day of Apr, 2024, as amended (the "Agreement"; all capitalized terms used and not otherwise defined in this Amendment shall have the respective meanings ascribed to them in the Agreement as amended by this Amendment); and

WHEREAS, Lessor and Lessee desire to amend the Agreement in the manner hereinafter set forth;

NOW, THEREFORE, in consideration of the premises and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Lessor and Lessee hereby agree as follows:

1. Notwithstanding the second to last sentence of Section 1 of the Agreement, Lessor and Lessee hereby agree that, solely for federal, state and local income tax purposes, the lease by Lessor to Lessee under the Agreement of following Vehicles (the "Specified Vehicles") will be treated as a conditional sale rather than a true lease and that Lessee will be treated as the owner of the Vehicle solely for such income tax purposes:

<u>Year</u>	<u>Make</u>	<u>Model</u>	<u>Quote #</u>
2025	Jeep	Wrangler	8345365

The Agreement and this Amendment have the specific intent of creating a conditional sale rather than a true lease with respect to the vehicles listed above, and by design, give appropriate consideration to tax statutes, Regulations, Court decisions, and IRS rulings and positions. In recognition of that intent, each of Lessor and Lessee hereby further agrees that it will not take any action or file any return or other document inconsistent with such tax treatment or with the ownership of the Specified Vehicles by Lessee solely for such income tax purposes.

Notwithstanding the foregoing, or anything else in this Amendment, the Agreement or any Schedule to the contrary, and given the inherent uncertainty that exists with respect to any advertised tax result or outcome, Lessee hereby acknowledges and agrees that Lessor makes no representation, warranty or covenant that any tax authority will not assert a contrary position or assert that (a) the lease of the Specified Vehicles by Lessor to Lessee is a true lease for tax purposes, (b) Lessee is not the owner of the Specified Vehicles for tax purposes and/or (c) Lessee is not entitled to claim any depreciation or recovery deduction for tax purposes with respect to the Specified Vehicles. Lessee shall be solely liable for any and all costs and expenses, including, without limitation, any and all attorneys' fees, incurred in contesting any such treatment of the lease of the Specified Vehicles as other than a conditional sale and shall keep Lessor informed, in writing, of any dispute with any tax authority as to the tax treatment of the lease of the Specified Vehicles.

2. All references in the Agreement and in the various Schedules and addenda to the Agreement and any other references of similar import shall henceforth mean the Agreement as amended by this Amendment. Except to the extent specifically amended by this Amendment, all of the terms, provisions, conditions, covenants, representations and warranties contained in the Agreement shall be and remain in full force and effect and the same are hereby ratified and confirmed.

IN WITNESS WHEREOF, Lessor and Lessee have executed this Amendment to Master Equity Lease Agreement as of the

Enterprise FM Trust (Lessor)

Alameda County Mosquito Abatement District ("Lessee")


By: Enterprise Fleet Management, Inc., its attorney in fact

By Tom Dolan Digitally signed by Tom Dolan

By _____

Title: Fleet Management AVP

Title: _____




Why Worry About Unmaintained Swimming Pools?





Alameda County Mosquito Abatement District

Board of Trustees Regular Meeting
October 9th 2024

Robert Ferdan
IT Director
Alameda County Mosquito Abatement District

1

2







3



PIONEERS



ALAMEDA MOSQUITO ABATEMENT DISTRICT WAS THE FIRST TO USE AERIAL PHOTOS FOR SWIMMING POOL CLASSIFICATION




4



5

Old Swimming Pool Process

Technician Report - © 2016 Aerial Services District = 8 - Neil
 Flight: ACMAD20160518 Target-ID: CP050529 Image Date: 5/18/2016 12:28 GMT

Location: 20832
 Map grid: 773-HQ
 GMT Zone: 8
 Has history: Y (N)

Date notice: 7/25/14
 Date insp: 7/25/14
 Employee: *Neil*

Why green?
 Pebble-tac:
 Stained btm:
 Green Water:
 Other:

Condition
 Clean:
 Breeding: (N)
 Fish estab:
 Dry:

Action taken
 Fish planted:
 Treated:
 Nothing:

Additional
 Also spa:
 Also pond:

Category: Green - Approx Location: 47489-Armata St, FREMONT 94539
 APN: -- 47423

6

Old Swimming Pool Process

Technician Report - © 2016 Aerial Services Dist
 Flight: ACMAD20160518 Target-ID: CP050529

Location: 20832
 Map grid: 773-HQ
 GMT Zone: 8
 Has history: Y (N)

Date notice: 7/25/14
 Date insp: 7/25/14
 Employee: *Neil*

Why green?
 Pebble-tac:
 Stained btm:
 Green Water:
 Other:

Condition
 Clean:
 Breeding: (N)
 Fish estab:
 Dry:

Action taken
 Fish planted:
 Treated:
 Nothing:

Additional
 Also spa:
 Also pond:

Category: Green - Approx Location: 47489-Armata St, FREMONT 94539
 APN: -- 47423

7

Old Swimming Pool Process

3-4 months

Technician Report - © 2016 Aerial Services District = 8 - Neil
 Flight: ACMAD20160518 Target-ID: CP050529 Image Date: 5/18/2016 12:28 GMT

Location: 20832
 Map grid: 773-HQ
 GMT Zone: 8
 Has history: Y (N)

Date notice: 7/25/14
 Date insp: 7/25/14
 Employee: *Neil*

Why green?
 Pebble-tac:
 Stained btm:
 Green Water:
 Other:

Condition
 Clean:
 Breeding: (N)
 Fish estab:
 Dry:

Action taken
 Fish planted:
 Treated:
 Nothing:

Additional
 Also spa:
 Also pond:

Category: Green - Approx Location: 47489-Armata St, FREMONT 94539
 APN: -- 47423

8

Old Swimming Pool Process

3-4 months

LABOR INTENSIVE

Location: 20832
Map grid: 773-H0
Zone: 8
History: Y (N)
Date notice: 7/25/14
Date insp: 7/25/14
Employee: Na
Why green?
Pebble-tec:
Stained btm:
Green Water:
Other:
Condition:
Clean:
Brewing:
Fish estab:
Diy:
Action taken:
Fish planted:
Treated:
Nothing:
Diy:
Additional:
Also spa:
Also pond:

Category: Green - Approx Location: 47400-Armata St, FREMONT 94539
APN: -- 474223

9

Old Swimming Pool Process

3-4 months

LABOR INTENSIVE

SAFETY CONCERNS

Location: 20832
Map grid: 773-H0
Zone: 8
History: Y (N)
Date notice: 7/25/14
Date insp: 7/25/14
Employee: Na
Why green?
Pebble-tec:
Stained btm:
Green Water:
Other:
Condition:
Clean:
Brewing:
Fish estab:
Diy:
Action taken:
Fish planted:
Treated:
Nothing:
Diy:
Additional:
Also spa:
Also pond:

Category: Green - Approx Location: 47400-Armata St, FREMONT 94539
APN: -- 474223

10

MAPVISION®

A web-based geospatial data management system designed and engineered specifically for the vector control industry.

Mapvision® automates and streamlines your organization's workflow by building a robust department enterprise that supports data sharing and consistent data integrity. It also offers integrations to manage LUV applications or monitor assets. The system acts as the backbone of email, medium, and large vector control programs across the country.

LEARN MORE

11

Alameda County Mosquito Abatement District

Preventing pools from becoming County since 1980

NOTICE OF SWIMMING POOL VIOLATION

PROPERTY OWNER'S NAME: [Redacted]
PROPERTY ADDRESS: [Redacted]

VIOLATION DETAILS:

Description	Address	Survey Date
Unpermitted Swimming Pool	1760, 18th St, Dublin, CA 94568	07/03/16

NOTICE: The Alameda County Mosquito Abatement District hereby conducted an aerial survey for unpermitted swimming pools in Alameda County. Due to the condition of the swimming pool on the property, it has been tagged as a potential mosquito breeding site and a public health hazard.

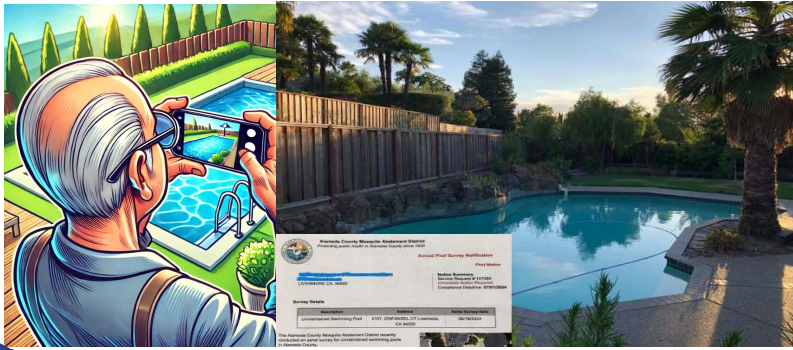
REMEDY: The District is providing several methods to correct the violation of the swimming pool on the property. If you have a permit for the pool, please provide a copy of the permit to the District. If you do not have a permit, you must obtain one from the District. If you do not have a permit, you must obtain one from the District. If you do not have a permit, you must obtain one from the District.

FINAL NOTICE: Failure to correct the violation of the swimming pool on the property by the deadline will result in the District taking action to remove the pool. The District will not be responsible for any damage to the pool or the property. The District will not be responsible for any damage to the pool or the property.

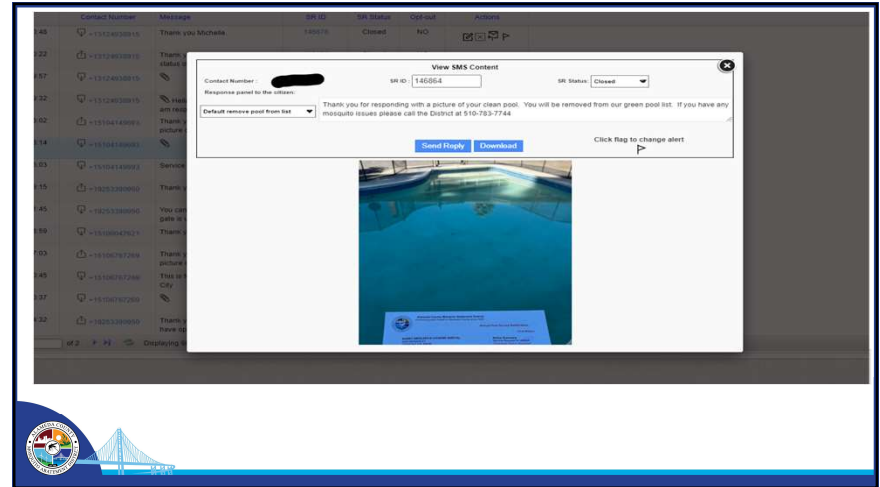
CONTACT: 20147 Connecticut St, Hayward CA 94545 | (510) 783-7744 | www.mosq.org

12

Integrate Text Messaging



13



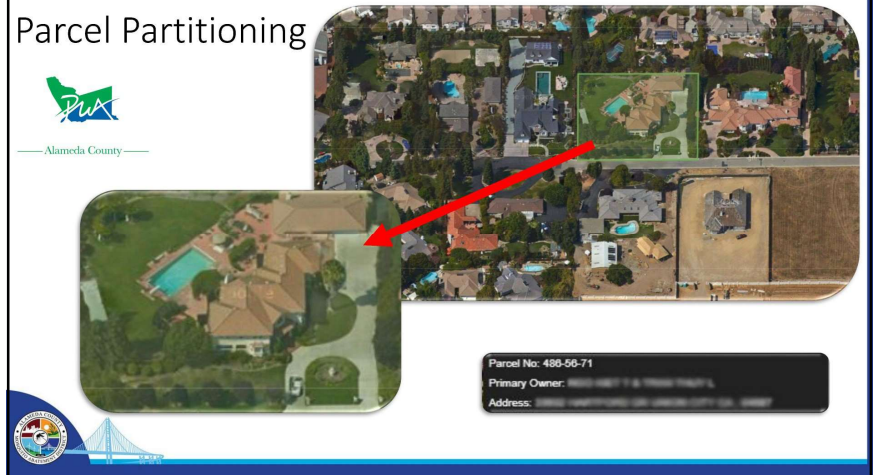
14

Parcel Partitioning



15

Parcel Partitioning



16

Parcel Partitioning

Alameda County
 OFFICE OF ASSESSMENT
 COUNTY OF ALAMEDA

Parcel No: 480-56-71
 Primary Owner: [Redacted]
 Address: [Redacted]

17

ID	Parcel APNs	Parcel Address	Parcel Image	All Parcel Conditions	AI	AI Checked	Manual	Final	Post	Comments	Updated By	Updated Date	Created Date	Actions	
347754	301-704-34	37903 MENARD CT FREMONT CA 94536	AL21_3068_17993	100%	100%			Next Clean	Next Sure	Next Clean	Y	Robert Fordan	08-09-2023 07:21	06-07-2023 13:08	
351939	97-97-08	10403 SHERWAY WAY LIVERMORE CA 94550	AL21_3068_17993	100%	100%			Next Clean	Next Clean	Next Clean	Y	Robert Fordan	08-09-2023 10:11	06-03-2023 14:31	
351452	941-186-74	8480 BIRCHWOOD LN DUBLIN CA 94568	AL21_3068_17993	84%	100%			Next Clean	Next Clean	Next Clean	Y	Robert Fordan	09-27-2023 10:25	09-27-2023 14:40	
348734	452-48-111	543 SQUOON RD HAYWARD CA 94541	AL21_3068_17993	100%	100%			Clean	Next Sure	Next Sure	Y		08-11-2021 08:48	08-11-2021 08:48	
340711	452-48-39	808 SQUOON RD HAYWARD CA 94541	AL21_3068_17993	88%	100%			Clean	Next Sure	Next Sure	Y		08-11-2021 08:48	08-11-2021 08:48	
351644	941-186-38	7480 FREDERSON LN DUBLIN CA 94568	AL21_3068_17993	100%	100%			Next Clean	Next Clean	Next Clean	Y	Robert Fordan	09-27-2023 10:30	09-27-2023 14:40	

18

The full Process now takes less than a month, substantially reducing work effort

First contact with residents was transferred to the office by either by Phone or Text

Increased staff safety by interacting with residents remotely before we visit property.

19

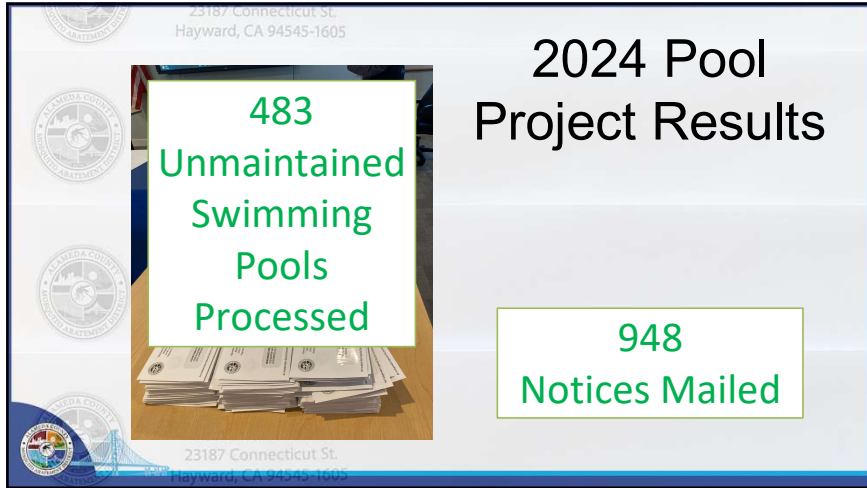
202

Español

202

Español

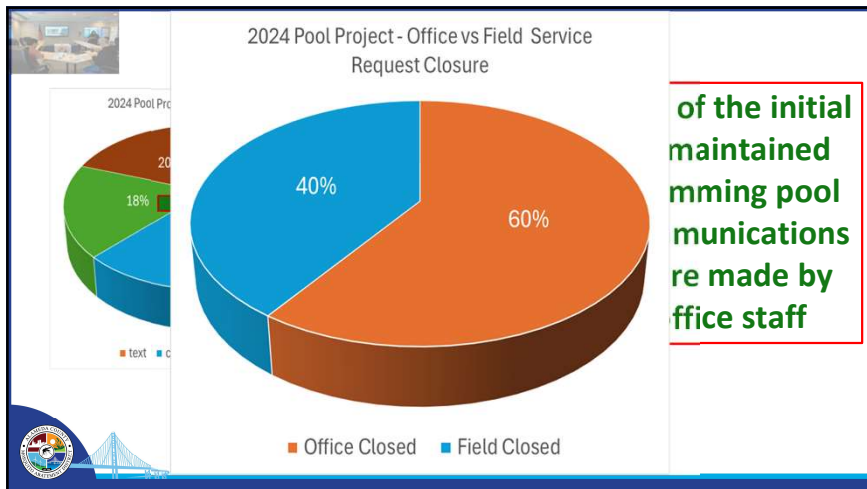
20



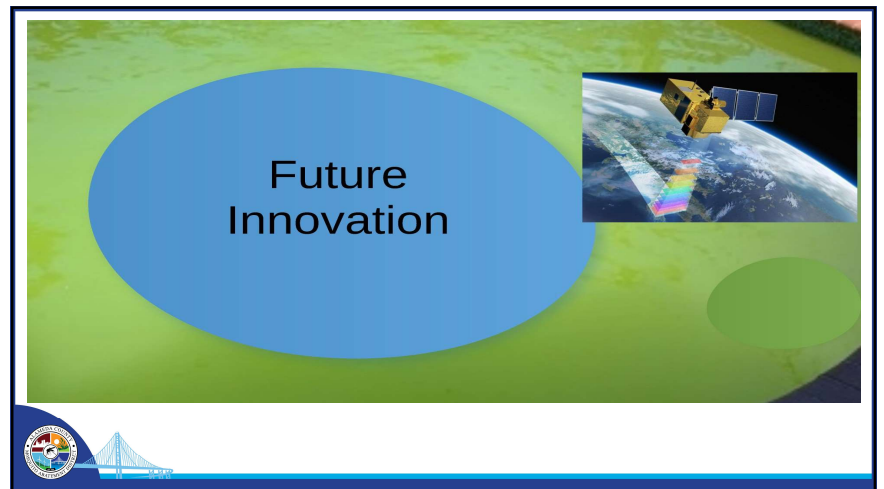
21




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23



24



Alameda County Mosquito Abatement District
 Posting from 10/1/2024 to 10/31/2024

Annual Pool Survey notification

Ryan Gonzalez
 47107 10th Street
 Oakland, CA 94612

Notice Authority:
 Service Request # 0000000
 Available from 10/1/2024 to 10/31/2024

Survey Details

Structure	Address	Annual Survey Date
Unimproved Backyard Pool	XXXXXXXXXX	XXXXXXXXXX

The Alameda County Mosquito Abatement District (ACMAD) provides a complimentary mosquito control service for all residents of Alameda County. Mosquito control is an essential public health and safety measure that helps prevent the spread of mosquito-borne diseases. This service is provided to all property owners in Alameda County. **ACMAD is currently conducting a survey of backyard pools in Alameda County to determine the best way to provide mosquito control services. This survey is essential to the health of all in the community and is required by law.**

PLEASE TO ORDER THE SERVICE:

Please contact your account manager if it was identified as a pool, send a photo for the pool.

- Text: (925) 838-5277 (925) 814-8888 (Include Service Request # in the text)
- Email: customerservice@acmad.org (Include Service Request # in the subject line)
- Call: (925) 732-7344

The pool and the notice must be visible in the same photo.

THANK YOU TO OUR SERVICE PROVIDERS.

ACMAD is currently conducting a survey of backyard pools in Alameda County to determine the best way to provide mosquito control services. This survey is essential to the health of all in the community and is required by law.


Estimate QR Code

2024 Construction No. Approved CA 104548 | (925) 783-2744 | www.acmad.org

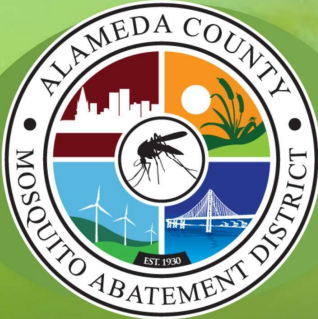
25



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27



ALAMEDA COUNTY
 MOSQUITO ABATEMENT DISTRICT
 EST. 1930

This Has Been an ACMAD Presentation

28

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

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
4550	8/14/24	Airgas	3,098.70
4551	8/14/24	Alco Sheet Metal and Heating, Inc.	485.00
4552	8/14/24	All-Ways Green Services	565.00
4553	8/14/24	AT&T	94.64
4554	8/14/24	Bailey Fence Company, Inc.	391.00
4555	8/14/24	Bay Alarm	2,415.80
4556	8/14/24	California Department of Public Health	327.00
4557	8/14/24	Cintas	752.16
4558	8/14/24	Clarke	1,957.48
4559	8/14/24	Delta Dental	4,837.68
4560	8/14/24	Industrial Park Landscape Maintenance	261.00
4561	8/14/24	JamLoop LLC	3,000.00
4562	8/14/24	KBA Docusys	688.48
4563	8/14/24	NBC Supply Corp	199.35
4564	8/14/24	PC Professional	5,122.00
4565	8/14/24	PG&E	60.06
4566	8/14/24	R&S Erection of Southern Alameda County	306.77
4567	8/14/24	Sacramento Koi, Inc.	10,213.37
4568	8/14/24	UMPQUA Bank Commercial Card OPS (Credit card)	32,349.09
4569	8/14/24	UMPQUA Bank Commercial Card OPS (Fuel)	5,435.50
4570	8/14/24	Verizon	373.65
4571	8/14/24	Voya Institutional Trust Company	261.90
ACH	8/14/24	Alameda County Mosquito Abatement Dist (Payroll)	102,985.55
ACH	8/14/24	CalPERS Retirement	20,091.52
ACH	8/14/24	CalPERS 457	5,427.43
Total Expenditures - August 15, 2024			201,700.13

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

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
4572	8/28/24	Adapco	15,668.93
4573	8/28/24	Airgas	974.66
4574	8/28/24	Alemayehu, Dereje	190.00
4575	8/28/24	Beck's Shoes	360.17
4576	8/28/24	Cintas	541.18
4577	8/28/24	Delta Dental	4,837.68
4578	8/28/24	Gannett California LocaliQ	4,578.46
4579	8/28/24	Industrial Park Landscape Maintenance	261.00
4580	8/28/24	Jarvis Fay LLP	288.00
4581	8/28/24	NBC Supply Corp	873.82
4582	8/28/24	PFM Asset Management LLC	1,837.32
4583	8/28/24	PG&E	23.82
4584	8/28/24	Schaeffer MFG.Co.	1,674.71
4585	8/28/24	USOAC	250.00
4586	8/28/24	Voya Institutional Trust Company	261.90
4587	8/28/24	VSP	612.62
4588	8/28/24	WEX Bank	538.65
ACH	8/28/24	Alameda County Mosquito Abatement Dist (Payroll)	103,971.62
ACH	8/28/24	CalPERS	700.00
ACH	8/28/24	CalPERS Health	44,937.37
ACH	8/28/24	CalPERS Retirement	20,059.89
ACH	8/28/24	CalPERS 457	5,427.43
Total Expenditures - August 31, 2024			208,869.23

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

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
4589	9/11/24	Actuarial Retirement Consulting	3,150.00
4590	9/11/24	Adapco	2,400.04
4591	9/11/24	Airgas	2,370.15
4592	9/11/24	All-Ways Green Services	565.00
4593	9/11/24	AT&T	99.42
4594	9/11/24	California Department of Public Health	328.00
4595	9/11/24	Cintas	542.22
4596	9/11/24	Clarke	4,127.48
4597	9/11/24	JamLoop LLC	3,000.00
4598	9/11/24	PG&E	74.96
4599	9/11/24	The Hartford	69.82
4600	9/11/24	UMPQUA Bank Commercial Card OPS (Credit card)	29,208.21
4601	9/11/24	UMPQUA Bank Commercial Card OPS (Fuel)	5,719.80
4602	9/11/24	Voya Institutional Trust Company	261.90
ACH	9/11/24	Alameda County Mosquito Abatement Dist (Payroll)	103,421.23
ACH	9/11/24	CalPERS Retirement	20,095.21
ACH	9/11/24	CalPERS 457	4,927.43
Total Expenditures - September 15, 2024			180,360.87

Alameda County Mosquito Abatement Dist.

Check Register

For the Period From Sep 16, 2024 to Sep 30, 2024

Filter Criteria includes: Report order is by Date.

Check #	Date	Payee	Amount
4603	9/26/24	AB Auto Body & Repair	16,978.18
4604	9/26/24	Adapco	12,882.44
4605	9/26/24	Airgas	2,527.21
4606	9/26/24	Bay Alarm	956.17
4607	9/26/24	Cintas	541.18
4608	9/26/24	Delta Dental	4,837.68
4609	9/26/24	Jarvis Fay LLP	180.00
4610	9/26/24	Mar-Len Supply, Inc.	945.16
4611	9/26/24	NBC Supply Corp	69.77
4612	9/26/24	PFM Asset Management LLC	1,938.33
4613	9/26/24	PG&E	26.28
4614	9/26/24	Verizon	369.38
4615	9/26/24	Voya Institutional Trust Company	261.90
4616	9/26/24	VSP	612.62
4617	9/26/24	WEX Bank	538.65
ACH	9/30/24	Alameda County Mosquito Abatement Dist (Payroll)	102,989.46
ACH	9/30/24	Bhat, Subru	1,372.50
ACH	9/30/24	CalPERS Health	43,635.10
ACH	9/30/24	CalPERS Retirement	19,955.14
ACH	9/30/24	CalPERS 457	4,927.43
Total Expenditures - September 30, 2024			216,544.58



Account Summary

Billing Cycle		07/31/2024
Days In Billing Cycle		31
Previous Balance		\$22,795.84
Purchases	+	\$32,349.09
Cash	+	\$0.00
Balance Transfers	+	\$0.00
Special	+	\$0.00
Credits	-	\$0.00
Payments	-	\$22,795.84
Other Charges	+	\$0.00
Finance Charges	+	\$0.00

NEW BALANCE **\$32,349.09**

Account Inquiries



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



Go to www.umpquabank.com



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

Payment Summary

NEW BALANCE	\$32,349.09
MINIMUM PAYMENT	\$32,349.09
PAYMENT DUE DATE	08/25/2024

Credit Summary

Total Credit Line	\$105,000.00
Available Credit Line	\$72,650.91
Available Cash	\$0.00
Amount Over Credit Line	\$0.00
Amount Past Due	\$0.00
Disputed Amount	\$0.00

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 **\$22,795.84-**

Trans Date	Post Date	Reference Number	Transaction Description	Amount
07/16	07/16	000000LBX2407161639002	PAYMENT - THANK YOU	\$22,795.84-

Cardholder Account Summary

RYAN CLAUSNITZER [REDACTED]	Payments & Other Credits \$0.00	Purchases & Other Charges \$855.90	Cash Advances \$0.00	Total Activity \$855.90
---------------------------------------	---	--	--------------------------------	-----------------------------------

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
06/28	07/01	PPLN01	24000974182882900618684	JEFFREYS HILLSIDE CAFE 707-5466317 CA	\$30.13
07/08	07/10	PPLN01	24071054191627127516789	CALIFORNIA SPECIAL DIS 916-4427887 CA	\$775.00
07/09	07/11	PPLN01	24137464192500963599015	TRADER JOE S #084 CASTRO VALLEY CA	\$46.77



Cardholder Account Detail Continued					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
07/17	07/18	PPLN01	24493984200009330041680	EAST BAY TIMES 925-935-2525 CA	\$4.00

Cardholder Account Summary				
MICHELLE ROBLES [REDACTED]	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	\$0.00	\$5,727.82	\$0.00	\$5,727.82

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
07/01	07/02	PPLN01	24692164183103629317908	Amazon.com*RC94B0IY2 Amzn.com/bill WA	\$33.39
07/01	07/02	PPLN01	24011344183000063661308	AMCA* INV-3571 HTTPSWWW.MOSQ CA	\$5,250.00
07/07	07/07	PPLN01	24430994189021718001152	PITNEY BOWES PI 844-256-6444 CT	\$95.69
07/21	07/22	PPLN01	24943004203022590018637	WASTE MGMT WM EZPAY 866-834-2080 TX	\$348.74

Cardholder Account Summary				
ERIC HAAS-STAPLETON [REDACTED]	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	\$0.00	\$7,355.12	\$0.00	\$7,355.12

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
07/11	07/11	PPLN01	24692164193101365023175	TFS*THERMOASHEVILLE 866-984-3766 NC	\$4,250.00
07/23	07/24	PPLN01	24204294205001746306053	Dropbox QKJ9ZLPY2RYR 141-58576933 CA	\$203.88
07/24	07/25	PPLN01	24692164206100196427071	APPLE.COM/BILL 866-712-7753 CA	\$9.99
07/24	07/26	PPLN01	24943014207010193522340	THE HOME DEPOT #1017 HAYWARD CA	\$9.16
07/27	07/28	PPLN01	24492154209719336378017	LIFETECHCORP12392764 800-955-6288 CA	\$2,461.37
07/29	07/30	PPLN01	24941504211043247000340	QIAGEN LLC 800-426-8157 MD	\$412.33
07/30	07/31	PPLN01	24943004213028124520814	COSTCO WHSE #1061 HAYWARD CA	\$8.39

Cardholder Account Summary				
ROBERT FERDAN [REDACTED]	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	\$0.00	\$2,197.26	\$0.00	\$2,197.26

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
07/03	07/04	PPLN01	24492164185000025075835	WWW.PERPLEXITY.AI WWW.PERPLEXIT CA	\$183.25
07/02	07/04	PPLN01	24707804185030049958478	MISAC 714-738-5309 CA	\$675.00
07/05	07/07	PPLN01	24000774187000012376732	WWW.USMOBILE.COM 187-82050088 NY	\$475.00
07/10	07/11	PPLN01	24692164192101153893129	GoToCom*GoToConnect goto.com MA	\$311.98
07/11	07/11	PPLN01	24692164193101400004073	COMCAST CALIFORNIA 800-COMCAST CA	\$262.89
07/15	07/16	PPLN01	24692164198102488080303	SQ *PLEASANTON COMPUTER R Pleasanton CA	\$75.00
07/22	07/22	PPLN01	24692164204108047567682	BUSINESS.APPLE.COM 800-275-2273 CA	\$2.99
07/25	07/26	PPLN01	24692164207101333544942	SQ *PLEASANTON COMPUTER R Pleasanton CA	\$91.15
07/27	07/29	PPLN01	24000974210051807293795	STARLINK INTERNET 310-6828100 CA	\$120.00

Cardholder Account Summary				
MARK WIELAND [REDACTED]	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	\$0.00	\$6,600.59	\$0.00	\$6,600.59

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
06/29	07/01	PPLN01	24137464182200129167953	HOBBY-LOBBY #542 ANTIOCH CA	\$15.74
07/02	07/03	PPLN01	24323044184041800069213	GREG S AUTOMOTIVE SERVICE HAYWARD CA	\$272.15
07/09	07/10	PPLN01	24755424192731924680363	GRAINGER 800-4724643 IL	\$93.14
07/10	07/11	PPLN01	24692164192101258296418	Amazon.com*RY5022AW1 Amzn.com/bill WA	\$25.18

Cardholder Account Detail Continued					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
07/10	07/11	PPLN01	24692164193101266604909	AMAZON MKTPL*RY1QF9ER2 Amzn.com/bill WA	\$21.59
07/10	07/11	PPLN01	24323044192049900063796	GREG S AUTOMOTIVE SERVICE HAYWARD CA	\$887.31
07/11	07/12	PPLN01	24323044193042200065693	GREG S AUTOMOTIVE SERVICE HAYWARD CA	\$1,144.33
07/17	07/18	PPLN01	24692164199103579252461	AMZN Mktpl US*RS4S53EO1 Amzn.com/bill WA	\$83.05
07/18	07/19	PPLN01	24755424200272009953888	INSTA LUBE HAYWARD CA	\$75.00
07/21	07/22	PPLN01	24692164203107838393135	AMAZON MKTPL*RJ2U19V80 Amzn.com/bill WA	\$33.21
07/22	07/23	PPLN01	24755424205732055333645	GRAINGER 800-4724643 IL	\$670.83
07/22	07/23	PPLN01	24231684205036893814441	HARBOR FREIGHT TOOLS 494 HAYWARD CA	\$130.25
07/22	07/23	PPLN01	24231684205036829593663	SMART AND FINAL 401 HAYWARD CA	\$19.78
07/22	07/23	PPLN01	24692164204108675542221	Amazon Prime*RJ00X1EZ1 Amzn.com/bill WA	\$153.94
07/23	07/23	PPLN01	24692164205108916935308	AMAZON MKTPL*RJ6XE2610 Amzn.com/bill WA	\$19.92
07/22	07/23	PPLN01	24755424204262048187867	INSTA LUBE HAYWARD CA	\$50.00
07/24	07/25	PPLN01	24692164206100367078927	AMAZON MKTPL*RJ0DH5WQ0 Amzn.com/bill WA	\$9.81
07/24	07/26	PPLN01	24427334207710037590851	FOODMAXX #480 BRENT BRENTWOOD CA	\$346.03
07/25	07/26	PPLN01	24492164208000002355559	DIAMONDBACK HTTPSDIAMONDB PA	\$2,546.14
07/29	07/31	PPLN01	24493984212012976104453	NAYLOR STEEL HAYWARD CA	\$3.19

Cardholder Account Summary

MIGUEL BARRETTO	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	\$0.00	\$8,041.82	\$0.00	\$8,041.82

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
07/03	07/03	PPLN01	24492154185713497072814	LIFETECHCORP12269419 800-955-6288 CA	\$4,814.81
07/03	07/03	PPLN01	24492154185713497145644	LIFETECHCORP12270964 800-955-6288 CA	\$1,273.02
07/03	07/04	PPLN01	24692164185105479279003	AMZN Mktpl US*R79CV8TZ2 Amzn.com/bill WA	\$18.88
07/04	07/04	PPLN01	24692164186105755228046	AMZN Mktpl US*R74P43AQ2 Amzn.com/bill WA	\$204.85
07/06	07/07	PPLN01	24492154188717983601975	LIFETECHCORP12282616 800-955-6288 CA	\$342.88
07/07	07/08	PPLN01	24692164189108740299236	HOTELCOM72871183753456 HOTELS.COM WA	\$99.90
07/09	07/10	PPLN01	24492154191717548039021	LIFETECHCORP12268473 800-955-6288 CA	\$806.93
07/08	07/10	PPLN01	24943014191010195711311	THE HOME DEPOT #1017 HAYWARD CA	\$42.89
07/08	07/10	PPLN01	24943014191010195711329	THE HOME DEPOT #1017 HAYWARD CA	\$19.91
07/09	07/10	PPLN01	24692164191109914404509	AMAZON MKTPL*RY0063OV2 Amzn.com/bill WA	\$18.79
07/09	07/10	PPLN01	24692164191109974283215	AMAZON MKTPL*RY07W1E20 Amzn.com/bill WA	\$6.63
07/11	07/11	PPLN01	24692164193101327193181	AMAZON MKTPL*RY6B62BM0 Amzn.com/bill WA	\$24.32
07/19	07/21	PPLN01	24431054201014586111738	CARQUEST 7336 HAYWARD CA	\$61.52
07/19	07/21	PPLN01	24717054201292015825152	SIGMA ALDRICH US 800-3253010 MO	\$155.32
07/21	07/22	PPLN01	24692164203107313423878	AMAZON MKTPL*RJ3705FK1 Amzn.com/bill WA	\$23.21
07/22	07/22	PPLN01	24692164204108036663948	AMAZON MKTPL*RJ0OR9M50 Amzn.com/bill WA	\$36.96
07/25	07/26	PPLN01	24692164207101099575981	AMAZON MKTPL*RJ6MR1K41 Amzn.com/bill WA	\$50.28
07/26	07/28	PPLN01	24692164208102177105997	AMAZON MKTPL*RV91M9A42 Amzn.com/bill WA	\$8.84
07/29	07/29	PPLN01	24692164211104069614461	AMAZON MKTPL*RV00S4TX1 Amzn.com/bill WA	\$31.88

Cardholder Account Summary

ERIKA CASTILLO	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	\$0.00	\$1,554.50	\$0.00	\$1,554.50

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
07/29	07/30	PPLN01	24692164211104805742626	THRYV 844-339-6334 TX	\$834.50
07/29	07/31	PPLN01	24071054212627123509999	CALIFORNIA SPECIAL DIS 916-4427887 CA	\$720.00

BL ACCT [REDACTED]
 ACMAD [REDACTED]
 Account Number: [REDACTED]
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Cardholder Account Summary				
JUDITH PIERCE [REDACTED]	Payments & Other Credits \$0.00	Purchases & Other Charges \$16.08	Cash Advances \$0.00	Total Activity \$16.08

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
07/10	07/11	PPLN01	24000774192000018861847	DISCOUNTMUGS.COM DISCOUNTMUGS. FL	\$8.67
07/10	07/11	PPLN01	24492164193000000920575	PROMOSONTIME PROMOSONTIME. NJ	\$7.41

Finance Charge Summary / Plan Level Information									
Plan Name	Plan Description	FCM ¹	Average Daily Balance	Periodic Rate *	Corresponding APR	Finance Charges	Effective APR Fees **	Effective APR	Ending Balance
Purchases									
PPLN01 001	PURCHASE	E	\$0.00	0.06008%(D)	21.9900%	\$0.00	\$0.00	0.0000%	\$32,349.09
Cash									
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		
¹ FCM = Finance Charge Method									
(V) = Variable Rate If you have a variable rate account the periodic rate and Annual Percentage Rate (APR) may vary.									



Account Summary

Billing Cycle		08/30/2024
Days In Billing Cycle		30
Previous Balance		\$32,349.09
Purchases	+	\$29,208.21
Cash	+	\$0.00
Balance Transfers	+	\$0.00
Special	+	\$0.00
Credits	-	\$0.00
Payments	-	\$32,349.09-
Other Charges	+	\$0.00
Finance Charges	+	\$0.00

NEW BALANCE **\$29,208.21**

Credit Summary

Total Credit Line	\$105,000.00
Available Credit Line	\$75,791.79
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
-  Write us at PO BOX 35142 - LB1181, SEATTLE, WA 98124-5142

Payment Summary

NEW BALANCE	\$29,208.21
MINIMUM PAYMENT	\$29,208.21
PAYMENT DUE DATE	09/25/2024

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	\$32,349.09-
Trans Date	Post Date	Reference Number	Transaction Description	Amount	
08/20	08/20	000000L BX2408204405002	PAYMENT - THANK YOU	\$32,349.09-	

Cardholder Account Summary

RYAN CLAUDS NITZER [REDACTED]		Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
		\$0.00	\$314.93	\$0.00	\$314.93

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
08/02	08/04	PPLN01	24011344215000086108479	LS THE BICYCLE GARAGE 151-07959622 CA	\$28.82
08/02	08/04	PPLN01	24692164215107910614891	L2G*HAYWARD FARP 877-263- 877-263-6027 CA	\$16.00
08/06	08/07	PPLN01	24000774219000013368631	ELECTRIFY EXPO WWW.ELECTRIFY TX	\$24.99

PLEASE DETACH COUPON AND RETURN PAYMENT USING THE ENCLOSED ENVELOPE - ALLOW UP TO 7 DAYS FOR RECEIPT



BL ACCT [REDACTED]

ACMAD

Account Number: [REDACTED]

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Cardholder Account Detail Continued					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
08/13	08/15	PPLN01	24137464227500949073050	TRADER JOE S #203 OAKLAND CA	\$47.39
08/14	08/15	PPLN01	24493984228017586046079	EAST BAY TIMES HTTP://WWW.EA CA	\$4.00
08/26	08/27	PPLN01	24164074239091017144261	TARGET 00003285 DUBLIN CA	\$16.53
08/27	08/27	PPLN01	24692164240109015856749	REI.COM 800-426-4840 800-426-4840 WA	\$177.20

Cardholder Account Summary					
MICHELLE ROBLES [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$1,079.14	Cash Advances \$0.00	Total Activity \$1,079.14

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
07/31	08/01	PPLN01	24005944213300701692866	GOVERNMENT FINANCE OFFIC CHICAGO IL	\$160.00
08/09	08/11	PPLN01	24692164222103741231899	CITY OF HAYWARD 510-583-4600 CA	\$484.98
08/09	08/11	PPLN01	24692164222103741396767	CITY OF HAYWARD 510-583-4600 CA	\$56.12
08/13	08/14	PPLN01	24692164226107248241729	Amazon.com*RM7Y38WT2 Amzn.com/bill WA	\$29.30
08/21	08/22	PPLN01	24943004234040848384364	WASTE MGMT WM EZPAY 866-834-2080 TX	\$348.74

Cardholder Account Summary					
ERIC HAAS-STAPLETON [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$3,897.25	Cash Advances \$0.00	Total Activity \$3,897.25

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
07/31	08/01	PPLN01	24692164213106082477659	TFS*FISHERSCI ECOM CHU 800-766-7000 TX	\$1,779.64
08/03	08/04	PPLN01	24430994216047850405791	MONDAY.COM 120-177-8456 NY	\$432.00
08/09	08/11	PPLN01	24692164222103927850199	TFS*FISHERSCI ECOM CHU 800-766-7000 TX	\$280.09
08/14	08/15	PPLN01	24692164227108268111494	AMZN Mktp US*RU8T65C50 Amzn.com/bill WA	\$20.61
08/15	08/16	PPLN01	24692164228108803737331	AMAZON MKTPL*RU73J3ON1 Amzn.com/bill WA	\$10.42
08/16	08/18	PPLN01	24692164229109685734304	AMAZON MKTPL*RU32353W0 Amzn.com/bill WA	\$11.06
08/22	08/25	PPLN01	24943014236010205779909	THE HOME DEPOT #1017 HAYWARD CA	\$645.41
08/24	08/25	PPLN01	24430994237068117481610	APPLE.COM/BILL 866-712-7753 CA	\$9.99
08/27	08/28	PPLN01	24231684241071621659756	SMART AND FINAL 401 HAYWARD CA	\$21.99
08/27	08/28	PPLN01	24240524240071230098097	PESTED.COM, LLC 845-481-4048 NY	\$245.00
08/30	08/30	PPLN01	24011344243000054127630	AMAZON RETA* RK6F381X1 WWW.AMAZON.CO WA	\$45.14
08/29	08/30	PPLN01	24011344242000067436656	AMAZON MARK* RK6FF5320 HTTPSAMAZON.C WA	\$395.90

Cardholder Account Summary					
ROBERT FERDAN [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$4,702.44	Cash Advances \$0.00	Total Activity \$4,702.44

Cardholder Account Detail					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
08/01	08/02	PPLN01	24000774214000021356136	WWW.USMOBILE.COM 187-82050088 NY	\$575.00
08/10	08/11	PPLN01	24692164223105162853753	GoToCom*GoToConnect goto.com MA	\$311.98
08/11	08/11	PPLN01	24692164224105422173967	COMCAST CALIFORNIA 800-COMCAST CA	\$263.14
08/08	08/11	PPLN01	24707804222030050014588	MISAC 714-738-5309 CA	\$130.00
08/13	08/14	PPLN01	24692164226107747378030	AMAZON MKTPL*RM44Y6R40 Amzn.com/bill WA	\$26.47
08/15	08/15	PPLN01	24000774228000005880691	GETSTREAMLINE.COM WEB WWW.GETSTREAM CA	\$2,988.00
08/15	08/16	PPLN01	24692164228108804849929	AMAZON MKTPL*RU1OT6ES2 Amzn.com/bill WA	\$6.07
08/20	08/20	PPLN01	24431064233039822666907	AMAZON.COM*RU8SO06Q0 SEATTLE WA	\$15.77
08/21	08/22	PPLN01	24692164234104398339791	BUSINESS.APPLE.COM 800-275-2273 CA	\$2.99
08/26	08/29	PPLN01	24000974241230303916058	STARLINK INTERNET 310-6828100 CA	\$120.00

Cardholder Account Detail Continued

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
08/28	08/29	PPLN01	24011344241000101454344	AMAZON MARK* RK1A16BC2 HTTPSAMAZON.C WA	\$263.02

Cardholder Account Summary

DEREJE ALEMAYEHU [REDACTED]	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	\$0.00	\$165.81	\$0.00	\$165.81

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
08/05	08/07	PPLN01	24717054219262191225956	CLOSE FEED AND SUPPLY HAYWARD CA	\$87.85
08/21	08/22	PPLN01	24050834234900019200039	KAMPS PROPANE HAYWARD CA	\$31.18
08/29	08/30	PPLN01	24050834242900019800051	KAMPS PROPANE HAYWARD CA	\$46.78

Cardholder Account Summary

MARK WIELAND [REDACTED]	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	\$0.00	\$5,792.12	\$0.00	\$5,792.12

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
07/31	08/01	PPLN01	24011344213000061285229	AMAZON RETA* RV21P5D31 WWW.AMAZON.CO WA	\$31.89
08/06	08/07	PPLN01	24755424220732205447163	GRAINGER 800-4724643 IL	\$66.92
08/06	08/07	PPLN01	24692164219101283903516	AMAZON MKTPL*RF2F17QW1 Amzn.com/bill WA	\$49.84
08/06	08/07	PPLN01	24692164219101415424639	AMAZON MKTPL*RF3ON3KT0 Amzn.com/bill WA	\$24.92
08/07	08/08	PPLN01	24692164220102212188176	AMAZON MKTPL*RF8ASRX0 Amzn.com/bill WA	\$28.38
08/07	08/08	PPLN01	24692164220102432982416	AMZN Mktp US*RM43P1432 Amzn.com/bill WA	\$26.32
08/07	08/08	PPLN01	24755424220262207806034	CO ALAMEDA ENV HEALTH ALAMEDA CA	\$244.30
08/08	08/09	PPLN01	24137464222001590852244	USPS PO 0509360283 BRENTWOOD CA	\$5.58
08/09	08/11	PPLN01	24755424223732238741837	GRAINGER 800-4724643 IL	\$149.71
08/21	08/22	PPLN01	24011344234000084296752	AMAZON RETA* R40092FV1 WWW.AMAZON.CO WA	\$601.52
08/22	08/23	PPLN01	24755424236732366573452	GRAINGER 800-4724643 IL	\$5.88
08/22	08/23	PPLN01	24755424236732366573478	GRAINGER 800-4724643 IL	\$2.19
08/22	08/23	PPLN01	24755424236732366583998	GRAINGER 800-4724643 IL	\$77.96
08/22	08/23	PPLN01	24323044235045600062640	GREG S AUTOMOTIVE SERVICE HAYWARD CA	\$4,338.79
08/23	08/25	PPLN01	24755424237152370518204	GRAINGER 800-4724643 IL	\$36.55
08/27	08/28	PPLN01	24755424241732413499951	GRAINGER 800-4724643 IL	\$16.13
08/28	08/29	PPLN01	24231684242072615631909	SMART AND FINAL 401 HAYWARD CA	\$12.17
08/28	08/29	PPLN01	24011344242000013257065	WET ONES HTTPWWW.WETONET	\$73.07

Cardholder Account Summary

MIGUEL BARRETTO [REDACTED]	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	\$0.00	\$10,110.40	\$0.00	\$10,110.40

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
08/01	08/02	PPLN01	24692164214107262859814	INTEGRATED DNA TECH 800-328-2661 IA	\$1,028.27
08/03	08/04	PPLN01	24692164216108875534438	TFS*FISHERSCI ECOM CHU 800-766-7000 TX	\$124.15
08/03	08/04	PPLN01	24692164216109147801803	INTEGRATED DNA TECH 800-328-2661 IA	\$441.89
08/06	08/06	PPLN01	24036294219716018154489	LIFETECHCORP12435362 800-935-6288 CA	\$2,060.01
08/05	08/06	PPLN01	24692164218100280445811	AMAZON MKTPL*RF1Q33GX1 Amzn.com/bill WA	\$23.25
08/07	08/07	PPLN01	24036294220718173166628	LIFETECHCORP12441031 800-935-6288 CA	\$4,821.45
08/06	08/07	PPLN01	24692164219101811650472	AMAZON MKTPL*RF3748YC2 Amzn.com/bill WA	\$8.85
08/07	08/08	PPLN01	24692164220102257063458	TFS*FISHERSCI ECOM CHU 800-766-7000 TX	\$108.31
08/09	08/09	PPLN01	24036294222744496432511	LIFETECHCORP12435362 800-935-6288 CA	\$759.36
08/10	08/11	PPLN01	24692164223104511518597	Amazon.com*RM6D53E90 Amzn.com/bill WA	\$42.67
08/12	08/13	PPLN01	24692164225106558702586	Amazon.com*RM13S7BT1 Amzn.com/bill WA	\$31.71
08/15	08/15	PPLN01	24692164228108748285511	AMZN Mktp US*RU0U084E0 Amzn.com/bill WA	\$204.95
08/21	08/22	PPLN01	24692164234104154997733	TFS*FISHERSCI ECOM CHU 800-766-7000 TX	\$203.74
08/21	08/22	PPLN01	24692164234104140680120	AMAZON MKTPL*R434D2GA2 Amzn.com/bill WA	\$34.33



BL ACCT [REDACTED]

ACMAD

Account Number: [REDACTED]

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Cardholder Account Detail Continued						
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount	
08/22	08/23	PPLN01	24692164235104829146459	AMAZON MKTPL*R44TZ2HH2 Amzn.com/bill WA	\$36.88	
08/23	08/23	PPLN01	24692164236105461575706	OMEGA BIO-TEK 770-931-8400 GA	\$180.58	

Cardholder Account Summary					
ERIKA CASTILLO [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$1,630.84	Cash Advances \$0.00	Total Activity \$1,630.84

Cardholder Account Detail						
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount	
08/08	08/09	PPLN01	24492154222018370275434	THE BUY LOCAL MEDIA GR 800-350-8887 CA	\$1,630.84	

Cardholder Account Summary					
JUDITH PIERCE [REDACTED]		Payments & Other Credits \$0.00	Purchases & Other Charges \$1,515.28	Cash Advances \$0.00	Total Activity \$1,515.28

Cardholder Account Detail						
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount	
08/16	08/18	PPLN01	24717054229182292257351	MINUTEMAN PRESS OAKLAND 510-8327746 CA	\$835.35	
08/21	08/22	PPLN01	24492164234000034250578	PROMOSONTIME PROMOSONTIME. NJ	\$679.93	

Finance Charge Summary / Plan Level Information									
Plan Name	Plan Description	FCM ¹	Average Daily Balance	Periodic Rate *	Corresponding APR	Finance Charges	Effective APR Fees **	Effective APR	Ending Balance
Purchases									
PPLN01 001	PURCHASE	E	\$0.00	0.06008%(D)	21.9900%	\$0.00	\$0.00	0.0000%	\$29,208.21
Cash									
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: 30		
** includes cash advance and foreign currency fees							APR = Annual Percentage Rate		
¹ 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
September 30, 2024. (3 of 12 mth, 25%)

REVENUES	Actual 2022/23	Actual 2023/24	Current Month	Year to Date	Budget 2024/25	Actual vs
				2024/25		Budget
Total Revenue	\$ 5,926,614.00	\$ 5,933,154.64	\$ 310,479.13	\$ 594,260.34	\$ 5,473,754.00	11%

EXPENDITURES	Actual 2022/23	Actual 2023/24 ¹	Current Month ²	Year to Date	Budget 2024/25	Actual vs
				2024/25		Budget
Salaries	\$ 2,129,077.24	\$ 2,467,139.80	\$ 229,562.39	\$ 694,069.25	\$2,790,566	25%
CalPERS Retirement	\$ 471,085.19	\$ 550,197.73	\$ 23,728.04	\$ 424,050.35	\$651,622	65%
Medicare & Social Security	\$ 30,025.60	\$ 33,316.10	\$ 3,549.27	\$ 10,833.62	\$46,370	23%
Fringe Benefits	\$ 484,487.10	\$ 609,707.18	\$ 49,155.22	\$ 154,885.57	\$683,134	23%
Total Salaries, Retirement, & Benefits	\$ 3,114,675.13	\$ 3,660,360.81	\$ 305,994.92	\$ 1,283,838.79	\$4,171,692	31%
Clothing and personal supplies (purchased)	\$ 7,881.80	\$ 5,152.23	\$ 320.04	\$ 705.39	\$9,500	7%
Laundry service and supplies (rented)	\$ 10,417.41	\$ 14,403.58	\$ 1,083.40	\$ 4,504.99	\$16,000	28%
Utilities	\$ 18,134.35	\$ 20,058.86	\$ 991.08	\$ 1,449.16	\$26,000	6%
Communications-IT	\$ 74,950.03	\$ 81,050.81	\$ 5,041.24	\$ 12,540.17	\$125,500	10%
Maintenance: structures & improvements	\$ 26,671.36	\$ 20,777.24	\$ 926.26	\$ 6,881.03	\$30,000	23%
Maintenance of equipment	\$ 25,354.56	\$ 31,326.10	\$ 6,944.86	\$ 13,680.74	\$28,000	49%
Transportation, travel, training, & board	\$ 120,418.29	\$ 129,998.25	\$ 8,311.48	\$ 21,475.12	\$114,525	19%
Professional services	\$ 97,726.00	\$ 99,674.72	\$ 5,268.33	\$ 7,742.39	\$160,600	5%
Memberships, dues, & subscriptions	\$ 25,103.23	\$ 22,113.94	\$ 290.00	\$ 17,193.94	\$29,000	59%
Insurance - (VCJPA, UAS)	\$ 160,932.64	\$ 209,342.00	\$ -	\$ 196,831.00	\$203,198	97%
Community education	\$ 26,225.45	\$ 37,729.24	\$ 6,146.12	\$ 14,840.90	\$55,000	27%
Operations	\$ 182,575.57	\$ 304,478.37	\$ 19,514.05	\$ 90,467.85	\$287,500	31%
Household expenses	\$ 25,388.02	\$ 20,057.16	\$ 1,731.47	\$ 4,908.32	\$22,700	22%
Office expenses	\$ 7,002.84	\$ 9,974.95	\$ 79.23	\$ 1,403.79	\$10,000	14%
Laboratory supplies	\$ 82,354.03	\$ 139,128.04	\$ 18,253.33	\$ 40,895.01	\$130,000	31%
Small tools and instruments	\$ 1,963.31	\$ 1,644.91	\$ 106.96	\$ 247.02	\$3,000	8%
Total Staff Budget	\$ 893,098.89	\$ 1,146,910.40	\$ 75,007.85	\$ 435,766.82	\$1,250,523	35%
Total Operating Expenditures	\$ 4,007,774.02	\$ 4,807,271.21	\$ 381,002.77	\$ 1,719,605.61	\$5,422,215	32%

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.

**Alameda County Mosquito Abatement District
Investment, Reserves, and Cash Balance Report
September 30, 2024. (3 of 12 mth, 25%)**

Account #	Investment Accounts	Beginning Balance	Deposits	Withdrawals	Earnings ¹	Ending Balance
1004	LAIF	\$ 111,816.09	\$ -	\$ -	\$ -	\$ 111,816.09
1005	OPEB Fund	\$ 5,059,526.10	\$ -	\$ -	\$ 86,131.32	\$ 5,145,657.42
1006	VCJPA Member Contingency ²	\$ 324,583.00	\$ -	\$ -	\$ -	\$ 324,583.00
1011	CAMP: Capital Reserve Fund	\$ 357.84	\$ -	\$ -	\$ 1.55	\$ 359.39
1012	PARS: Pension Stabilization ³	\$ 2,661,202.37	\$ 336,457.00	\$ -	\$ 45,815.49	\$ 3,043,474.86
1014	California CLASS: Operational Fund ⁴	\$ 2,181,094.76	\$ -	\$ (226,051.88)	\$ 9,302.55	\$ 1,964,345.43
1015	California CLASS: Repair and Replace Fund	\$ 3,967,593.43	\$ -	\$ -	\$ 17,099.54	\$ 3,984,692.97
1017	California CLASS Enhanced: Public Health Emergency Fund	\$ 512,235.53	\$ -	\$ -	\$ 2,213.35	\$ 514,448.88
1018	California CLASS Enhanced: Operating Reserve Fund	\$ 2,153,042.62	\$ -	\$ -	\$ 9,303.35	\$ 2,162,345.97
Total		\$ 16,971,451.74	\$ 336,457.00	\$ (226,051.88)	\$ 169,867.15	\$ 17,251,724.01

Account #	Cash Accounts	Beginning Balance	Withdrawals	Activity	Ending Balance
1003	County Account	\$ 674,750.44	\$ -	\$ 159,954.74	\$ 834,705.18
1019	Five Star Bank (Transfer Account) *	\$ 237,907.33	\$ -	\$ -	\$ 316,204.63
1020	Five Star Bank (Payroll Account) *	\$ 143,842.98	\$ -	\$ -	\$ 143,050.11
1021	Petty Cash	\$ 423.88	\$ -	\$ (75.50)	\$ 348.38
Total		\$ 1,056,924.63	\$ -	\$ 159,879.24	\$ 1,294,308.30

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 June 30, 2024.

3 - PARS - \$336,457.00 transferred from CA CLASS: Operational Fund . Pension Stabilization balance is as of August 31, 2024.

4 - \$226,051.88 transferred from CA CLASS: Operational Fund to Five Star Bank for September expenditures.

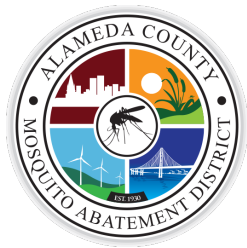
* - Ending balance differs from beginning balance due to checks clearing the account.

Alameda County Mosquito Abatement District
Balance Sheet Comparison
September

ASSETS	9/30/2024	9/30/2023	9/30/2022
Current Assets			
Bank of America payroll ¹	-	\$ 147,054.70	\$ 155,852.73
Bank of the West ²	-	-	440,563.93
County	834,705.18	898,725.94	785,311.28
Cash with LAIF	111,816.09	107,343.54	1,374,406.42
VCJPA- Member Contingency	324,583.00	308,734.00	341,986.00
CAMP - Repair and Replace ³	-	-	2,629,663.90
CAMP - Public Health Emergency ⁴	-	-	-
CAMP - Operating Reserve ⁵	-	-	1,960,125.37
CAMP - Capital Reserve Fund	359.39	437,775.49	371,733.09
PARS	3,043,474.86	2,335,531.34	1,960,914.19
Five Star Bank - Transfer account	202,175.50	194,630.73	-
Five Star Bank - Payroll account	137,568.58	-	-
California CLASS: Public Health Emergency Fund ⁶	-	528,589.57	529,964.16
California CLASS: Operational Fund	1,964,345.43	1,881,374.44	-
California CLASS: Repair and Replace Fund	3,984,692.97	3,246,488.35	-
California CLASS: Operating Reserve Fund ⁷	-	2,048,291.94	-
California CLASS Enhanced: Public Health Emergency Fund	514,448.88	-	-
California CLASS Enhanced: Operating Reserve Fund	2,162,345.97	-	-
Accounts Receivable	-	-	-
Petty cash	348.38	255.96	364.11
Total Current Assets	13,280,864.23	12,134,796.00	10,550,885.18
Property and Equipment			
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	-	36,210.31	-
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
Total Property and Equipment	2,939,863.77	2,137,016.61	2,218,820.69
Other Assets			
Net OPEB Asset	1,696,641.00	1,199,826.00	1,225,311.00
Total Other Assets	1,696,641.00	1,199,826.00	1,225,311.00
Total Assets	\$ 17,917,369.00	\$ 15,471,638.61	\$ 13,995,016.87
LIABILITIES AND CAPITAL			
Current Liabilities			
Accounts payable	\$ 199,382.66	\$ 144,288.36	\$ 126,158.53
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
Total Current Liabilities	\$ 3,805,198.78	\$ 3,723,182.29	\$ 4,527,520.47
Total Liabilities	3,805,198.78	3,723,182.29	4,527,520.47
Capital			
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	(878,261.25)	(1,074,213.11)	(1,220,181.33)
Total Capital	14,112,170.22	11,748,456.32	9,467,496.40
Total Liabilities & Capital	\$ 17,917,369.00	\$ 15,471,638.61	\$ 13,995,016.87

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.



MONTHLY STAFF REPORT –1129

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OPERATIONS REPORT

Inspections and treatments for our primary summer mosquito species continued throughout August and September. Much of the focus of operations was on our main potential vectors of West Nile virus (WNV): *Culex tarsalis*, *Culex pipiens*, and *Culex erythrothorax* which inhabit a wide variety of habitats. Based on historical data from ACMAD lab trapping, the numbers of these species were lower than this time in the last few seasons. WNV positive birds and adult mosquitoes continued to be collected in numerous cities in our county. Treatments for the aforementioned species were conducted by hand, backpack blowers, Argos, right-hand drive jeeps, and with the treatment UAS (drone) in marshes, canals, creeks, sewer plants, and wastewater treatment facilities.

Significant high tide events in August and September hatched eggs of *Aedes dorsalis*, requiring treatments by hand, Argo, and with the A-1 Super Duty mist blower. Based on changing weather conditions and historical data, this aggressive day-biting mosquito is expected to have decreased activity in the next month or two. Service request data, adult mosquito trapping, and field observations all indicate that treatment efforts for this species have been highly effective this year. At the start of September, ACMAD's ditch maintenance permit went into effect. ACMAD is currently the only district in our region to have an active permit. The permit is in accordance with the Clean Water Act and required the approval of the Army Corps of Engineers, the S.F. Bay Conservation and Development Commission, the U.S. Fish and Wildlife Service, the California Regional Water Quality Board, and the National Marine Fisheries Service. The permit allows staff to remove silt, debris, and vegetation from existing ditches primarily in tidal marsh habitats (*see photo on proceeding page*) using only hand tools. Cleaning these ditches helps prevent areas of standing water and improves water flow in and out during high/low tide cycles. This method of "physical control" was the primary function of our district when it was founded in 1930 and still proves effective to this day. Operations staff plan to dedicate at least two days a week to clear as many lineal feet of ditches as possible in several sources before the permit expires on the last day of January.

Field Operations Supervisor

Joseph Huston



ACMAD ditch maintenance on Mowry Slough, September 24th, 2024

Service Requests August 2024

August SR Count

100

August 10 Year Min Count

71

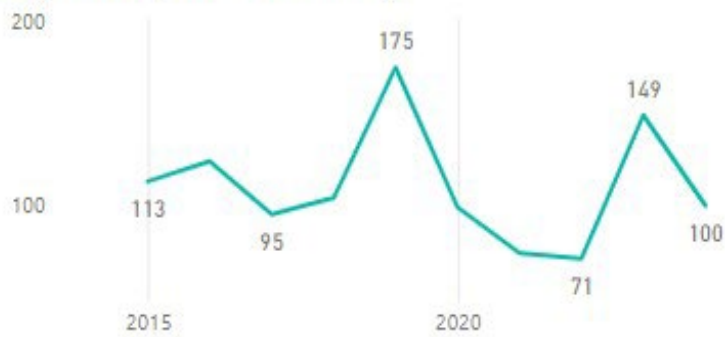
August 10 Year Max Count

175

August 10 Year Average

110.40

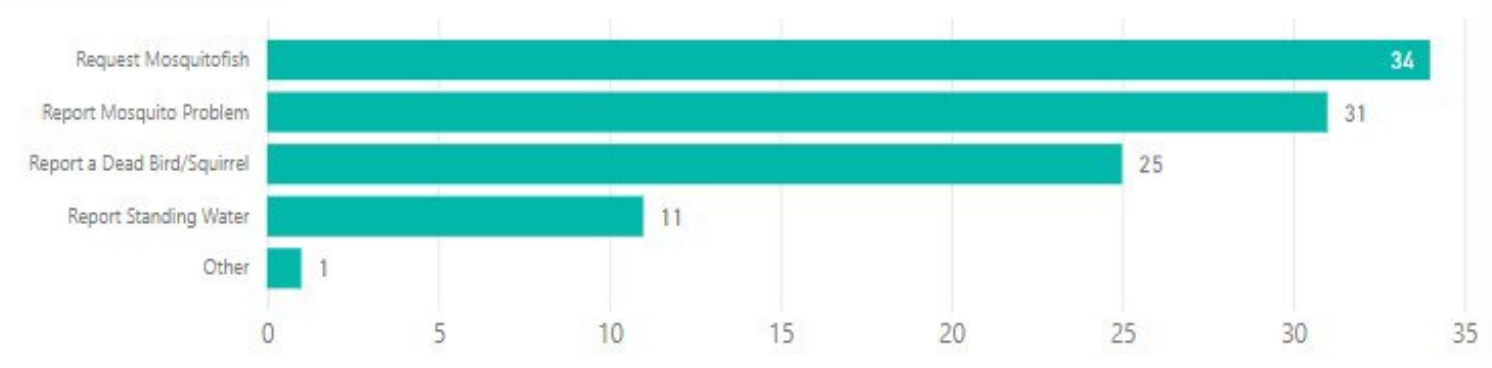
August SR's by Year - 10 Year History



Year Over Year Comparison



August Count by SR Type



August SR's by City



Service Requests September 2024

September SR Count

90

September 10 Year Min Count

53

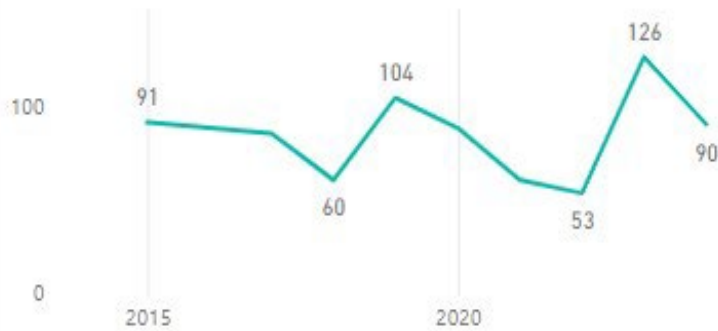
September 10 Year Max Count

126

September 10 Year Average

84.50

September SR's by Year - 10 Year History



Year Over Year Comparison



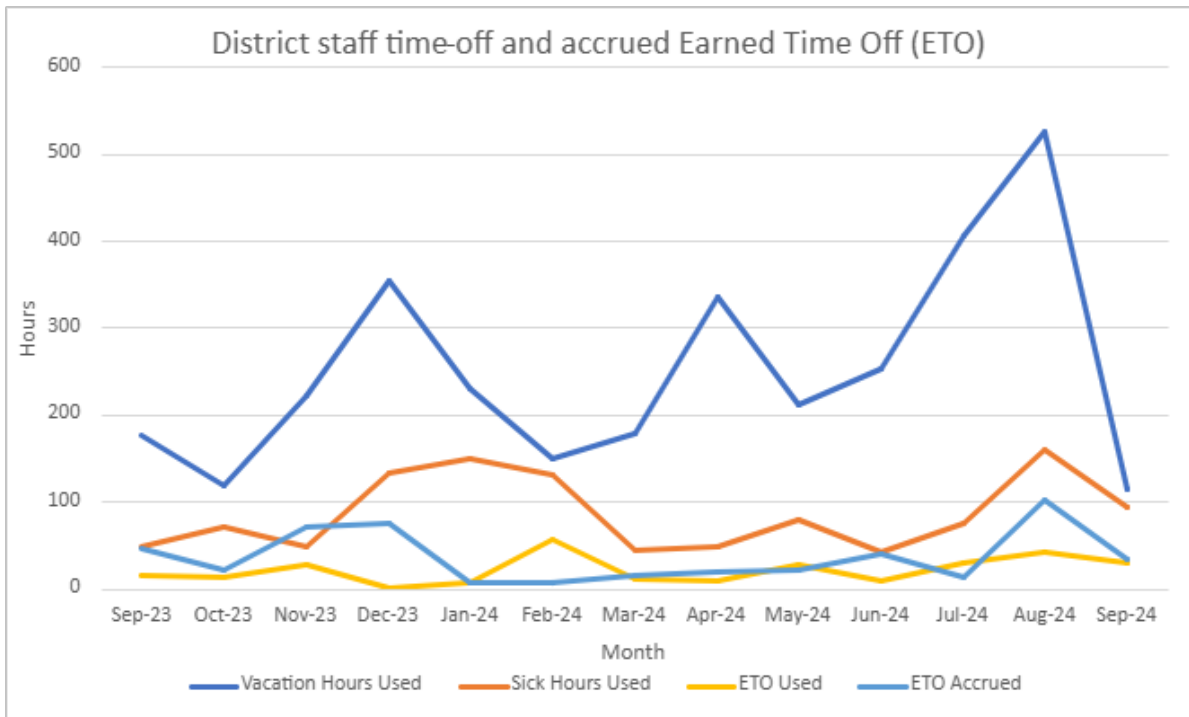
September Count by SR Type



September SR's by City

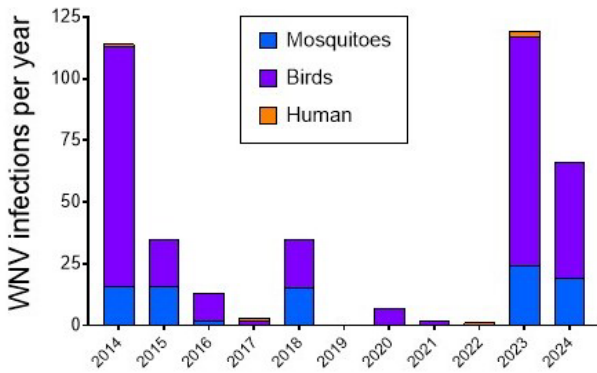


Leave Activity Report

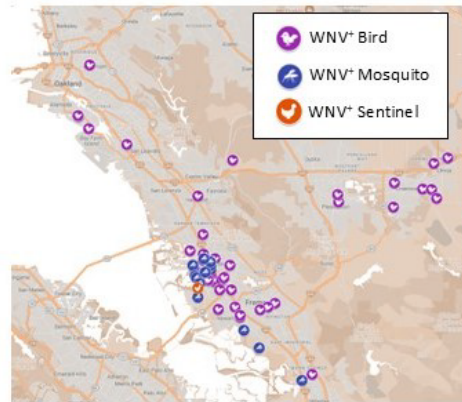


WNV Activity Report

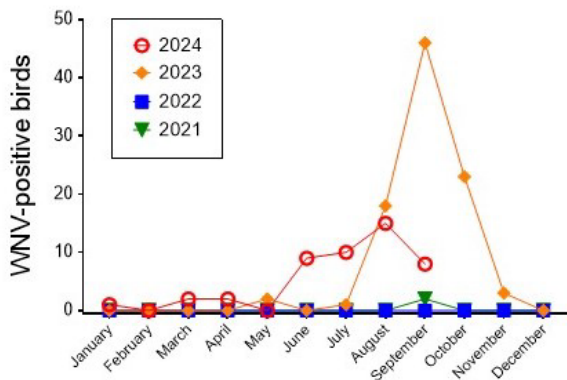
WNV trends in Alameda County 2014 – 2024



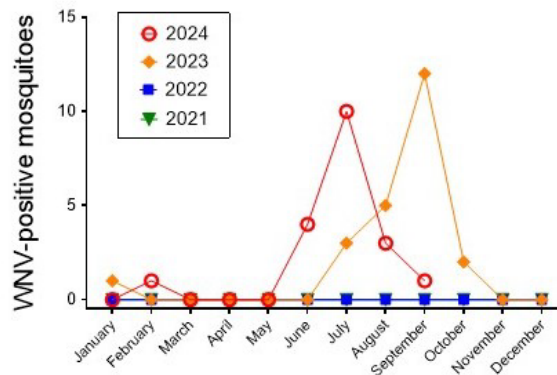
Location of WNV-infected mosquitoes and birds in Alameda County during 2024



WNV-infected birds from Alameda County



WNV-infected mosquitoes from Alameda County



A. LAB

Summary

- *Arboviruses in mosquitoes.* Two traps from both Newark and Union City contained mosquitoes that were infected with West Nile virus (WNV; a total of 4 positive collections from August - September). 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.* Twenty-six birds that were collected from August to September were infected with WNV. This year, we have collected 52 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.* 1,347 CO₂-baited encephalitis virus survey (EVS) traps were placed this month, catching 20,826 adult female mosquitoes (15.5 mosquitos per trap). This represents a 71% decrease in abundance relative to July.
- *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).
- Invasive *Aedes* mosquitoes have not been detected in Alameda County during 2024.

Arbovirus Monitoring

- Twenty-six birds collected from August to September were infected with WNV. For the year, a total of 52 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 482 mosquito collections from traps for WNV using RT-PCR, finding a positivity rate of 0.8% for August - September. 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 65 birds from August – September, with 26 found to have been infected with WNV (a 40% positivity rate). This suggests that a high proportion of birds that are reported dead by the public had succumbed to WNV.
- One of the chickens in our sentinel flock near the Alameda Creek Regional Trail seroconverted for WNV during late-September (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.
- Saint Louis encephalitis virus (SLEV) and Western equine encephalitis virus (WEEV) have not been detected in Alameda County for nearly two decades.

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. Also, we trap environmental detections of WNV in birds or mosquitoes and reports of travel-related human arbovirus cases reported by Alameda County Public Health Department.
- This month, 1,347 EVS traps collected a total of 20,826 adult female mosquitoes (15.5 mosquitos per trap; Figure 1). This represents a 71% decrease in adult mosquitoes compared to July. Abundance for August - September was 1.8-fold lower than last year, and 1.3-fold lower relative to 2022 (Figure 1).
- Overall adult mosquito abundance during for August - September was typically slightly higher than last year and the 5-year average (Figure 2). The abundance of *Culex erythrothorax* and *Culex tarsalis*, which can transmit WNV to people, was lower than the prior two years.

- *Culex erythrothorax* was the most abundant species captured from August – September (Figure 3). However, *Culex erythrothorax* abundance from August - September was 1.2-fold lower than 2023 and 0.9-fold lower than 2022 (Figure 4).
- *Culex tarsalis* abundance from August - September was 4.5-fold lower than 2023 and 3.4-fold lower than 2022 (Figure 4).
- *Aedes dorsalis* continue to emerge in cycle with high tides, but are lower in abundance than last year (Figure 4).
- Highest mosquito abundance was observed in Newark, Union City and Fremont because of the marshes nearby that hold water for long period times and support mosquito development (Figure 5A). The northern regions of the county had relatively low abundance with most traps capturing 10 or fewer mosquitoes each month (Figure 5B). Traps in the central bayside and southern regions of the county collected the most mosquitoes. However, 2.4-fold fewer mosquitoes were collected in Union City hotspots compared to last year (Figure 5C). Similar to the northern region, traps in the east of the county collected relatively few mosquitoes (Figure 5D).
- Less than 5% of the traps placed this month did not contain mosquitoes (Figure 5A), which points to adult mosquitoes being broadly distributed throughout the county.

Non-native Mosquitoes

- Non-native mosquitoes, including *Aedes aegypti*, have not been detected in Alameda County since 2015. In the adjacent counties of Contra Costa and Santa Clara, *Aedes aegypti* have been detected as recently as September 30, 2024.

Lab Figures

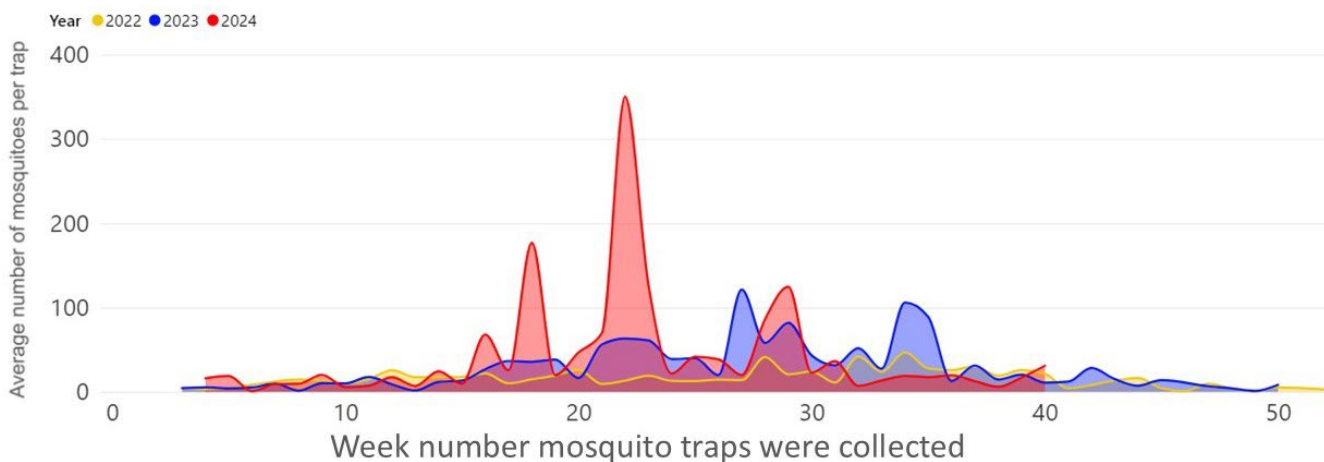


Figure 1. Weekly mosquito abundance during 2022, 2023 and 2024. A total of 20,826 adult female mosquitoes were captured in CO₂ -baited traps from August – September and identified to species (an average of 15.5 mosquitoes per trap).

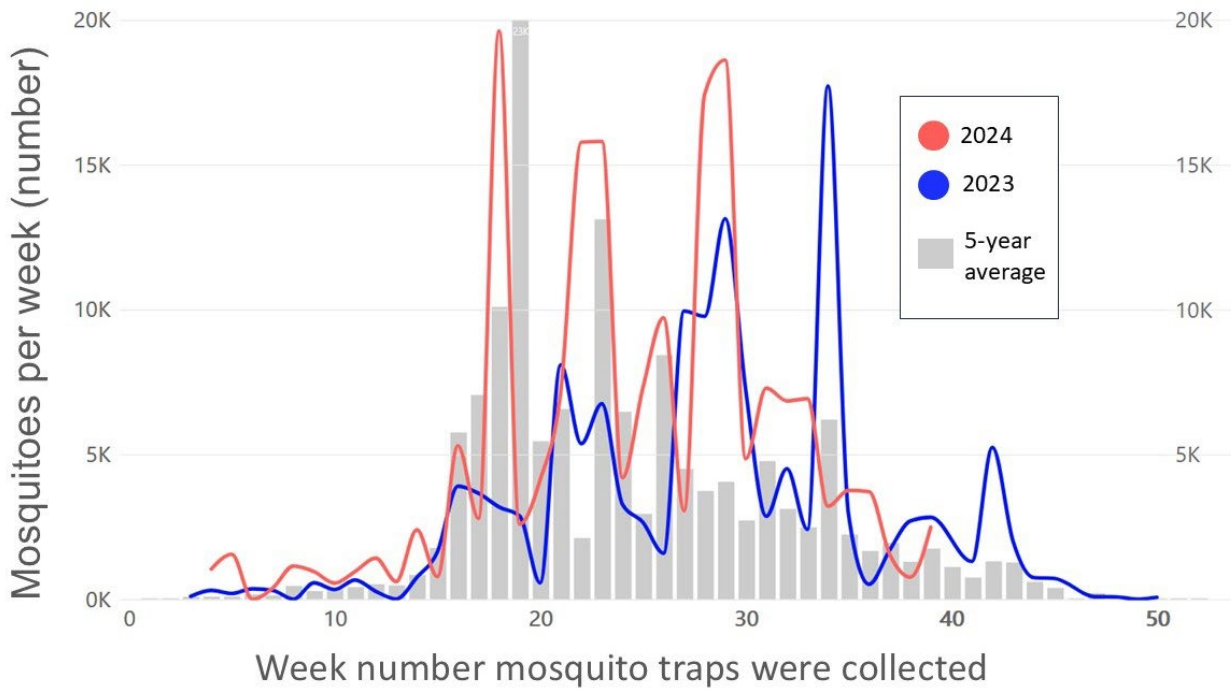


Figure 2. Five-year average of mosquito abundance compared to the current and prior year.

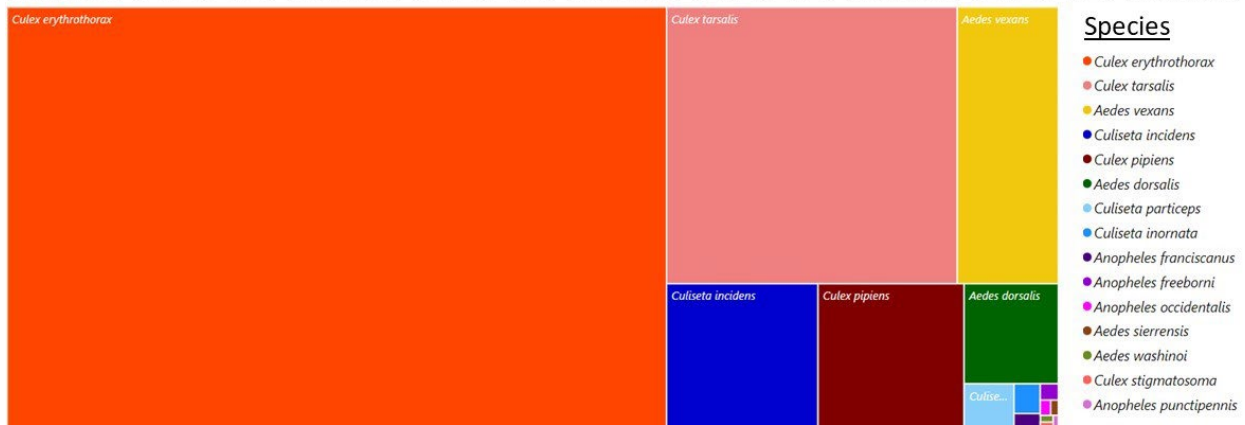
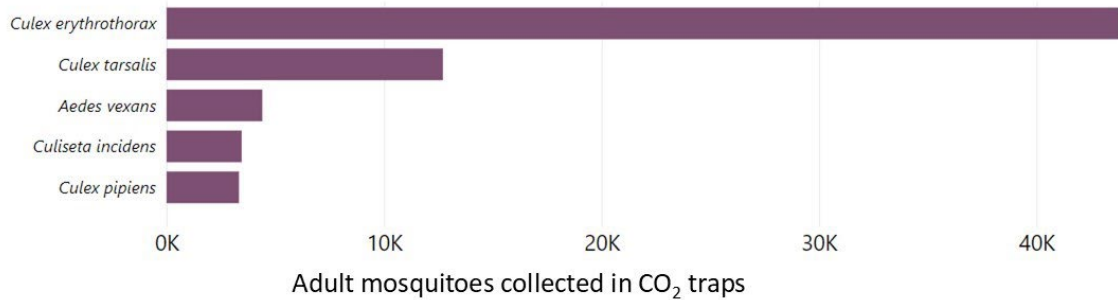


Figure 3. The most abundant species of mosquito captured using EVS CO₂ traps from August - September. Larger squares and rectangles indicate higher abundance of that species.

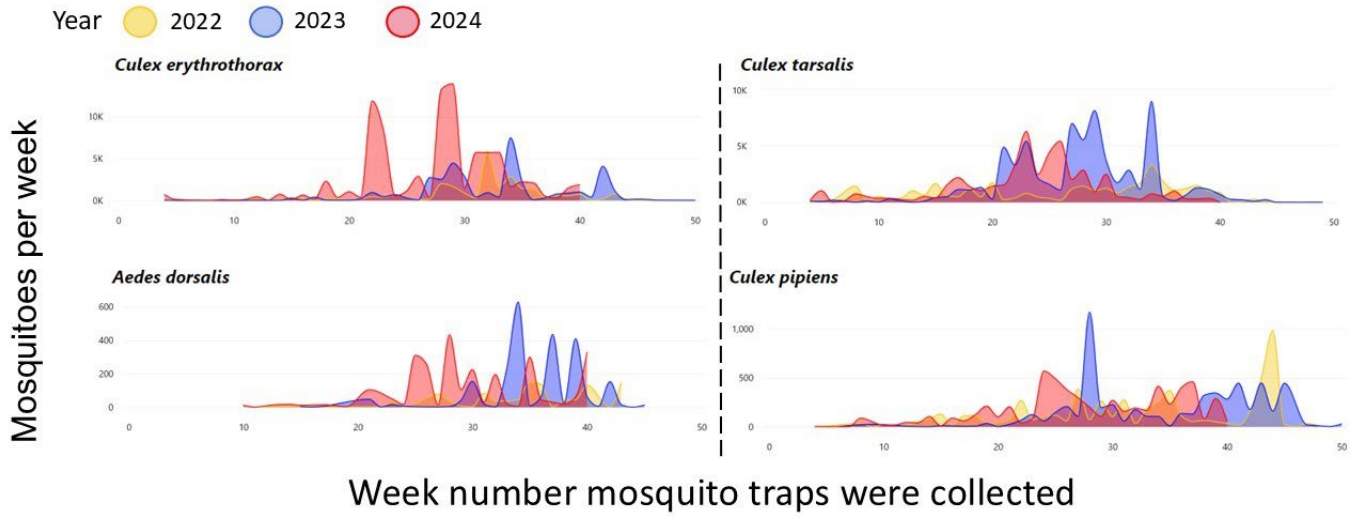


Figure 4. Weekly abundance of important mosquito species during 2022, 2023 and 2024.

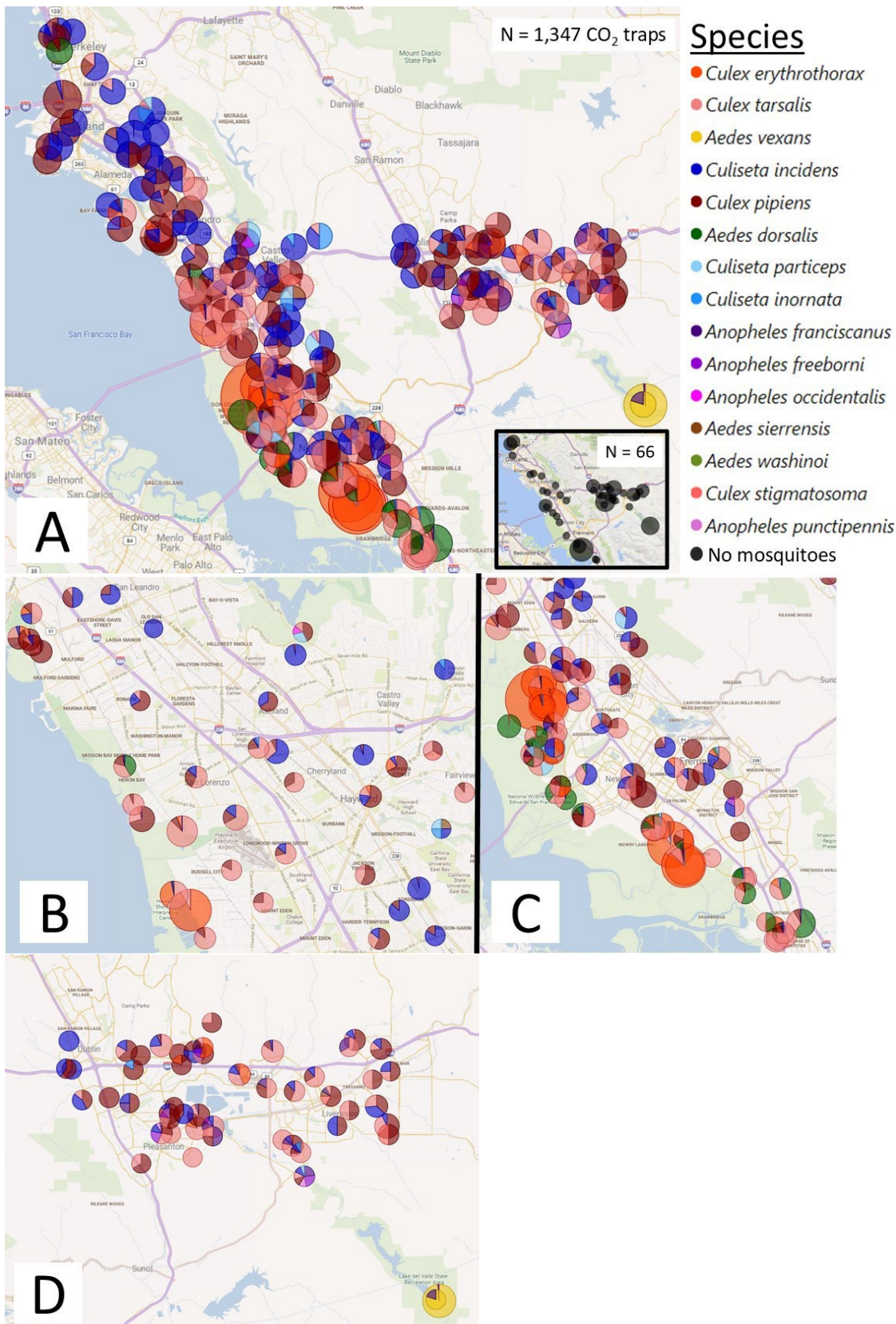


Figure 5. Mosquito abundance by trap site evaluated using EVS CO₂ traps. Pie charts indicate the distribution of mosquito species collected in the traps at that site. The size of each pie chart indicates the relative number of mosquitoes at each site from August - September in (A) Alameda County (insert 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.

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

B. Outreach and Engagement

Social Media

Twitter impressions: 1069
Followers: 879

Facebook impressions: 1,137
Followers: 546

Instagram impressions: 1594
Followers: 35634

Media and Conferences

- “Dead bird found in park tests positive for West Nile virus” posted in the East Bay Times Local News compilation on 8/15/24.
- “‘Dump and Drain’ to Protect Against West Nile Virus -Take extra precautions to avoid mosquito bites” was published in the Alameda Post on 9/3/24.
- “Protect yourself from West Nile Virus - Avoid mosquito-infested areas and standing water” was published in the Tri-City Voice on 9/3/24.

Translations¹

- Judith is working with Mosquito Control Technician Danny Sharkey to develop a one-page handout in Vietnamese about the district, and a one-page announcement and explanation about invasive Aedes in Vietnamese.

Education Program

- Presented to 3rd grade students at San Leandro’s McKinley Elementary for the 4th year in a row.
- Coordinated the Mosquito and Vector Control Educators workshop in August.
- Set up appointment with the lead for science curriculum at Hayward Unified Schools District.

Community Outreach

- Recruited Dr. Scott Smith, expert in infectious diseases and trustee for San Mateo MVCD along with Dr. Eric Haas Stapleton to speak with health care providers during the Alameda County Public Health Department Communicable Diseases monthly call.
- Reallocated money within advertising campaign budget to target zip codes in Hayward in response to WNV activity.
- Events:
 - National Night Out in Union City on August 2nd
 - Downtown Hayward 3rd Thursday on August 15th
 - Solano Stroll in Albany on September 8th
 - Newark Days Community Event on September 22nd

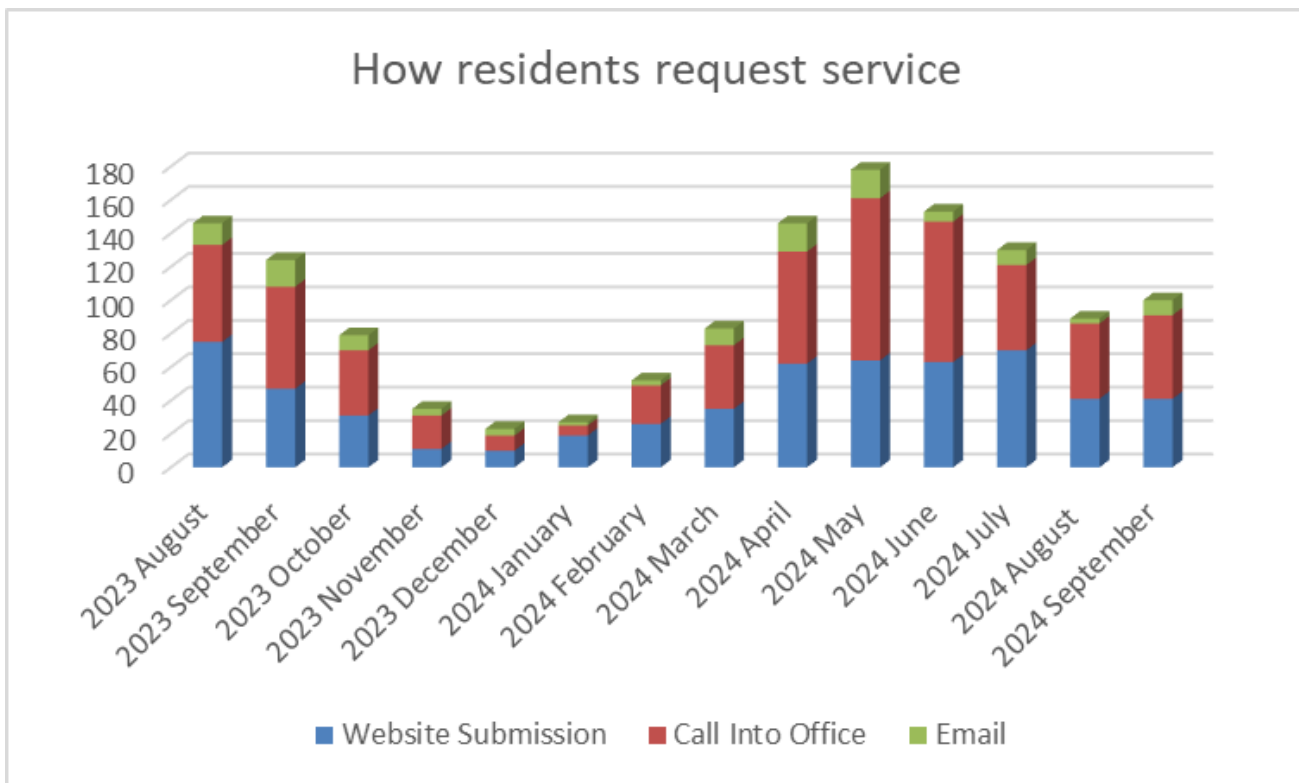
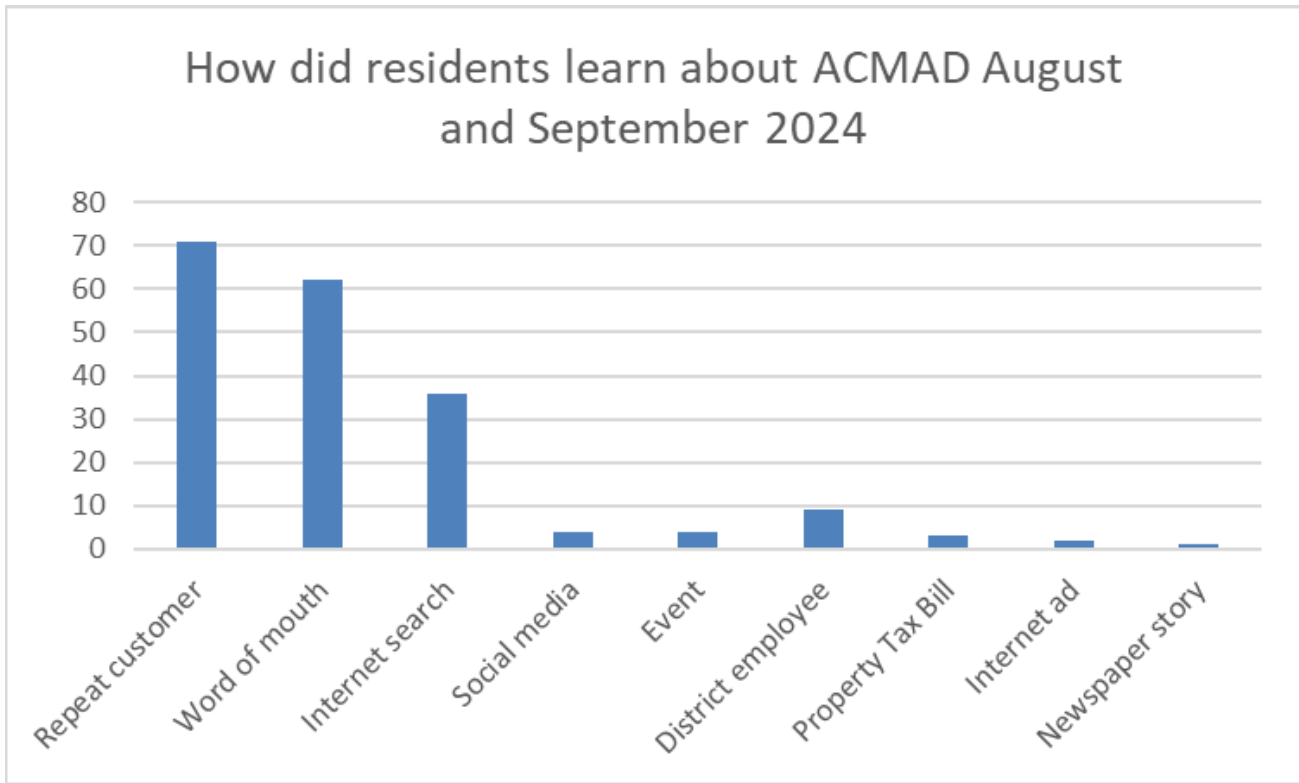
¹ The following activities contribute to ACMAD’s 2024-2026 Strategic Plan Goals to “Identify and translate key documents into several of the primary languages spoken within Alameda County.” (2024)

- Healthy Living Festival in Oakland on September 26th



Top left image: Mosquito Control Technician Danny Sharkey and Public Outreach Coordinator Judith Pierce chat with State Assembly Representative Alex Lee about mosquitoes at the Newark Days Festival. **Top Middle Image:** A close up of Pleasanton Trustee Valerie Arkin and Judith Pierce at the Healthy Living Festival in Oakland. **Far right top image:** Shift change at the Solano Stroll, with Vector Biologist Erick Gaona, Judith Pierce, Mosquito Control Seasonal Eric Moyung and Associate Vector Scientist Miguel Barretto. **Bottom left image:** Eric Moyung shows mosquito larvae to young scientists. **Middle image:** Dr. Eric Haas Stapleton presents to over 80 health care providers in Alameda County about mosquito-borne illnesses and our response to tropical diseases. **Bottom Middle image:** Mosquito Control Seasonal Christian Espinoza speaks with a Spanish speaking group of community health educators, known as Promotoras in San Lorenzo. **Bottom right image:** Seniors looking at larvae at the Healthy Living Festival.

Service Request Trend Data



C. REGULATORY UPDATE

Reports and Permits

- The work window for ACMAD's ditch maintenance activities under the Army Corps of Engineer Nationwide Permit #3 is active from 9/1 – 1/31. Authorization to work under this permit expires in 2026.
- ACMAD's Special Use Permit with the U.S. Fish & Wildlife Service for mosquito control activities in the Don Edwards National Wildlife Refuge was extended through the end of the year.
- Reviewed the Program Description from Ascent Environmental for the Programmatic Environmental Impact Report addendum template.²

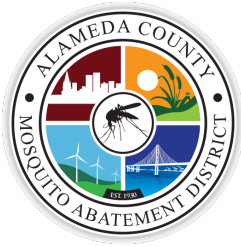
Project Design Engagements

- Nothing to report.

Interagency Collaborations

- Demonstrated our mosquito larvae control treatments utilizing the District's drone to Dave Halsing, Executive Director of the South Bay Salt Pond Restoration Project.
- Submitted a letter of support to Governor Newsom for the MVCAC's sponsored legislation, SB 1251 (Stern).

² *Contributes to ACMAD's 2024-2026 Strategic Plan Goal to "Evaluate the environmental impact of mosquito control products and equipment that are not included in our Programmatic Environmental Impact Report." (2024)*



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acmad@mosquitoes.org

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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 September & October.

Employee	Job Title	Years of Service	Anniversary Date
Sarah Lawton	Vector Biologist	9	September 14 th
Ben Rusmisl	Vector Biologist	9	September 28 th

92°

SIGN UP

LIVE

WEATHER ALERT

1 MORE ALERTS

Excessive Heat Warning: East Bay Hills, East Bay Interior Valleys, Eastern Santa Clara Hills, Marin Coastal Range, North Bay Interior Mountains, San Francisco ...



BAY AREA

'Highly aggressive' day-biting mosquitoes found in Santa Clara

(Photo courtesy County of Santa Clara Vector Control District)

by: [Amy Larson](#)

Posted: Sep 30, 2024 / 06:12 PM PDT

Updated: Sep 30, 2024 / 06:40 PM PDT

SHARE



(KRON) — A “highly aggressive” mosquito species that feeds “almost exclusively on humans” was detected in Santa Clara, county officials warned on Monday.

The county’s Vector Control District found *Aedes aegypti* mosquitoes in a residential area of the City of Santa Clara. The district identified 58 mosquitoes surrounding Agate Drive

and Moraine Dr. ...

Aedes aegypti are not native to California. Unlike the region's native mosquitoes that bite primarily at dawn and dusk, *Aedes aegypti* bite day and night.

ADVERTISEMENT

⤵

“The district will soon begin treatment to eradicate the aggressive species. The goal is to thwart the invasive insect from establishing a permanent population,” vector control officials wrote.

“If *Aedes aegypti* gains a foothold in Santa Clara County, it will not only threaten public health but also affect our quality of life, as these mosquitoes are highly aggressive and active,” vector control officials continued.

The non-native mosquitoes were [found in Gilroy and East San Jose earlier this year](#).

“We are doing everything we can to prevent *Aedes aegypti* from becoming established in Santa Clara County — and we urgently need the public's help,” said Edgar Nolasco, the county's Environmental Protection Agency director. “It's very important for residents in affected areas to cooperate with district staff and allow them to inspect their properties for

mosquitoes and mosquito habitat.”

District staff are carrying out eradication efforts, including trapping adult mosquitoes, inspecting properties to find mosquito larvae and habitat, and treating larvae with pesticide. The district will escalate its mosquito-control methods to include backpack spraying, barrier spraying, spraying with truck-mounted equipment over wide areas.

The invasive species is about a quarter-inch in size with black and white stripes on its back. “It feeds almost exclusively on humans,” vector officials wrote.

Aedes aegypti insects have the potential to transmit several viruses, including those that cause dengue, chikungunya, Zika, and yellow fever.

They do not fly long distances, venturing fewer than 500 feet from where they hatch.

These mosquitoes lay their eggs in small, artificial sources of water such as pet dishes, bird baths, and plant pots. Once laid, the eggs can last for more than a year without water. Residents should look around their property and dump out even the smallest amount of standing water. Eggs are half a millimeter in size and look to the naked eye like tiny bits of dirt.

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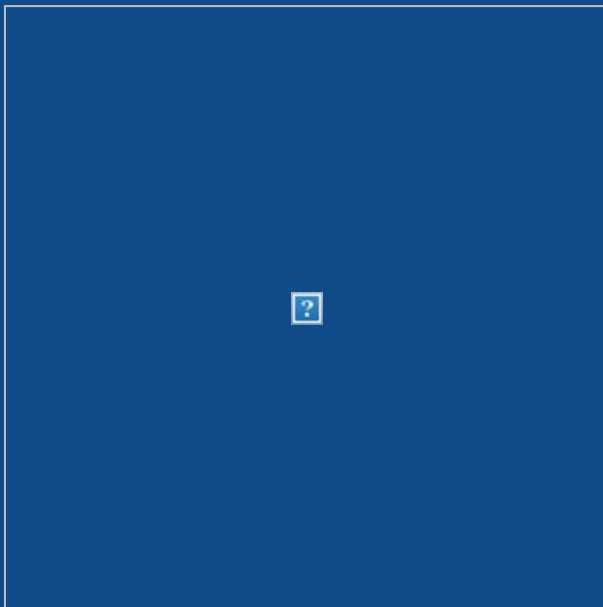
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From: [Contra Costa Mosquito and Vector Control District](#)
To: [acmad](#)
Subject: More WNV+ Mosquitoes and Another Invasive Mosquito Confirmed in Contra Costa County
Date: Friday, August 30, 2024 3:17:47 PM



News Release

For Immediate Release — Friday, August 30, 2024

Contact: Nola Woods, Public Affairs Director

Direct: 925-771-6158

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Email: nwoods@contracostamosquito.com

**MORE WEST NILE VIRUS-INFECTED MOSQUITOES AND
ANOTHER INVASIVE MOSQUITO CONFIRMED IN CONTRA
COSTA COUNTY**

Report Mosquito Activity to the District

CONCORD, CALIFORNIA - The Contra Costa Mosquito and Vector Control District (District) reports another group of trapped mosquitoes has tested positive for West Nile

virus (WNV) in Contra Costa County. The District is also confirming the collection of another invasive, non-native *Aedes aegypti* mosquito in North Concord. The WNV+ mosquitoes were collected in a trap in Martinez. The invasive mosquito was collected during additional surveillance following the discovery of the first *Aedes aegypti* mosquito in North Concord earlier this week.

In addition to the WNV+ mosquitoes this week, there have already been six groups of mosquitoes and six dead birds that have tested positive for WNV, and eight sentinel chickens have tested positive for antibodies in 2024. In response to the newest WNV activity, the District is conducting additional inspections and mosquito surveillance in Martinez.

In response to the collection of *Aedes aegypti* mosquitoes in North Concord, the District has conducted door-to-door inspections and treatments in the area and will continue to conduct inspections and trapping to reduce the risk that the invasive mosquito population becomes established in Contra Costa County.

"*Aedes aegypti*, commonly known as the Yellow Fever Mosquito, is an aggressive day-biting mosquito that can transmit pathogens that cause dangerous diseases including dengue fever, Zika virus, and chikungunya. In areas with established populations, particularly in Southern and Central California, these mosquitoes have changed the quality of life. They are well-adapted to living in small water-filled containers like plant saucers in urban and suburban backyards, and bite people during the day, typically around the legs and ankles. Due to the high nuisance potential and disease risks associated with these mosquitoes, the District is working very hard to find and eradicate them, but we need the public's help. Report day-biting mosquitoes to the District and dump out and scrub any water-filled containers on your property to reduce the risk that these mosquitoes become established here," said Steve Schutz, Ph.D., Scientific Programs Director.

Contra Costa County residents can report these mosquitoes to the District and request the District's mosquito service by calling (925) 685-9301 or visiting www.ContraCostaMosquito.com.

To reduce the risk of mosquito bites, the District recommends residents use an EPA-registered insect repellent with one of the following active ingredients:

- DEET
- Picaridin
- The repellent version of Oil of Lemon Eucalyptus
- IR3535

Always follow the instructions on the label when using insect repellent.

The invasive non-native *Aedes aegypti* mosquitoes lay sticky eggs. The District urges Contra Costa County residents to dump out standing water and scrub the inside of the plant saucer or other container to knock off the eggs at least once a week. And when residents take steps to reduce the risk of invasive mosquitoes for themselves and their families, they join the District in our mission to protect public health.

Contra Costa County residents can report dead birds by phone at (877) WNV-BIRD (968-2473) or [online](#). County residents can also request a District service for residential property by calling (925) 685-9301 or [online](#). Signing up for District notifications allows Contra Costa County residents to receive information on West Nile virus activity and Adult Mosquito Control operations in real time. Subscribe to District publications [here](#).

313 N. Figueroa Street, Room 806 | Los Angeles, CA 90012 | (213) 288-8144 | media@ph.lacounty.gov



For Immediate Release:

September 25, 2024

Public Health Investigating One Additional Case of Locally Acquired Dengue

The Los Angeles County Department of Public Health is investigating a new case of locally acquired dengue in a resident of Panorama City. The person had no history of travel to areas where dengue is endemic. This case of local transmission is not related to the cluster of cases Public Health reported on [September 18, 2024](#)

With this additional case, Public Health has now reported four cases of locally acquired Dengue in 2024. These cases of local transmission are extremely rare in LA County and residents are urged to take proactive steps to prevent mosquito breeding and mosquito bites. These include:

- **Wearing Mosquito Repellent:** Mosquito repellents can keep mosquitoes prevent mosquito bites. EPA-registered repellents containing DEET, picaridin, IR3535, 2-undecanone, and oil of lemon eucalyptus are the longest lasting and most effective. They are available as sprays, wipes, and lotions. Consider wearing long-sleeved clothes and pants when outside.
- **Keeping mosquitoes out their homes:** Make sure that doors and windows have tight-fitting screens to keep out mosquitoes. Repair or replace screens with tears or holes.
- **Preventing mosquito breeding:** Eliminate standing water where mosquitoes can lay eggs.
 - o Clear standing water in flowerpots, saucers, birdbaths and other outdoor containers. Empty items that hold water inside and outside your home once a week. Mosquito eggs only need a thimbleful of water to hatch.
 - o Cover water storage containers such as buckets and rain barrels. For containers with no lid, use wire mesh with holes smaller than an adult mosquito.
 - o Clean and maintain swimming pools, spas and drain water from pool covers.
 - o Throw away old items in your patio or yard that can hold water, e.g., old car tires and children's toys.
 - o Call 2-1-1 or visit [call your local vector control](#) to report persistent problems to your mosquito control district

"We are seeing the local transmission of dengue, which is unprecedented in Los Angeles County. Preventing mosquito bites and mosquito breeding is the best way stop the ongoing local transmission of dengue," said Muntu Davis, MD, MPH, Los Angeles County Health Officer. "Using insect repellent to prevent mosquito bites, eliminating items that hold standing water around your home where mosquitoes can breed, and using or fixing screens on your doors and windows to keep mosquitoes out of the home are simple steps everyone can take to significantly reduce the risk of mosquito-borne disease for both you and your neighbors."

Public Health is working with the Greater Los Angeles County Vector Control District on enhanced surveillance and active engagement with the community. Public Health outreach teams are visiting residents in the neighborhood where this case was identified to provide information on dengue and encourage residents to take protective measures against mosquitoes. The Greater Los Angeles County Vector Control District has increased mosquito trapping for identification and testing and abatement operations to reduce the risk of additional spread in the affected neighborhood.

"The Greater Los Angeles County Vector Control District has responded swiftly to perform mosquito control and enhance surveillance efforts in the area," said District Manager Susanne Klueh. "The District will continue its surveillance and control efforts, including additional property inspections, as well as backpack and truck-mounted mosquito treatments to reduce adult mosquito populations and mosquito breeding sources. All residents are advised to wear EPA-registered insect repellent to prevent mosquito bites when spending time outdoors."

Dengue is spread through the bite of an infected *Aedes* mosquito. Although *Aedes* mosquitoes are common in LA County, almost all

previously reported dengue cases in LA County have been associated with travel to a [country](#) where dengue is commonly spread.

Persons infected with dengue may have flu-like symptoms including high fever, severe headache, pain behind the eyes, joint and muscle pain, rash, and mild bleeding. Severe dengue can result in shock, severe bleeding and severe organ impairment which require immediate medical attention.

Because symptoms of dengue may mimic other viruses, Public Health continues to encourage healthcare providers to be vigilant for dengue fever in patients with acute febrile illness and test for and report suspect cases of mosquito-borne diseases. Providers should also routinely discuss mosquito bite prevention with patients and travelers.

Public Health's first [confirmed case](#) of locally acquired dengue was reported September 9, 2024. Cases of locally acquired dengue were previously confirmed by [Long Beach](#) and [Pasadena](#) in fall 2023.

About Dengue

Dengue is a disease caused by a virus that spreads through the bite of an infected mosquito. Dengue is common in tropical and subtropical regions such as the Caribbean (including Puerto Rico), Central and South America, Southeast Asia, and the Pacific islands. Because the types of mosquitoes that spread dengue are common throughout many areas of the United States, local spread of dengue can occur. However, dengue is not commonly spread by mosquitoes in LA County. Most cases in LA County have been identified among those who have traveled to areas where dengue commonly occurs.

Symptoms of dengue typically last two to seven days. Most people will recover after about a week. About one in twenty people with dengue can develop severe disease which can be life threatening.

The most common symptoms of dengue are fever and one or more of the following:

- Eye pain
- Headache
- Muscle, bone or joint pain
- Nausea or vomiting
- Rash

There are no specific medicines to treat dengue. There are supportive medicines to help with fever and pain. There is a vaccine for dengue, but it is NOT approved for use in U.S. travelers who are visiting but not living in an area where dengue is common.

For more information, visit: publichealth.lacounty.gov/acd/VectorDengue.htm

For questions or to find a nearby clinic or doctor, call the Public Health InfoLine at 1-833-540-0473, open every day from 8 a.m. to 8 p.m.

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California Arbovirus Surveillance Bulletin #25

Week 39 Friday, September 27, 2024



WEEKLY UPDATE

Humans

West Nile virus

A total of 4 new human cases of West Nile virus (WNV) disease were reported this week from 3 counties: Colusa (1), Fresno (2), and Riverside (1). **This is the first human case of WNV disease for Colusa County this year.** In 2024, 63 human cases of WNV disease were reported from 20 counties. Of the 63 cases, 46 (73%) had neuroinvasive disease and 6 (9.5%) were fatal. The median age of the case-patients was 58 years and 40 (63%) of the case-patients were male. The dates of symptom onset ranged from May 28 to September 3. In addition to the 63 cases of WNV disease, 10 asymptomatic WNV-positive blood donors have been reported from 6 counties: Butte (1), Fresno (3), Los Angeles (1), San Bernardino (2), Santa Clara (2), and Stanislaus (1). At this time last year, 183 human cases of WNV disease had been reported from 27 counties.

St. Louis encephalitis virus

No human cases of St. Louis encephalitis virus (SLEV) disease have been reported. At this time last year, 3 human cases of SLEV disease had been reported from 2 counties.

Dead Birds

A total of 23 new WNV positive dead birds were reported from 7 counties: Alameda (2), Los Angeles (2), Madera (1), Merced (1), Sacramento (3), San Mateo (2), and Santa Clara (12). **These are the first WNV positive dead birds reported from Madera and Merced counties this year.** In 2024, 474 WNV positive dead birds have been reported from 20 counties. At this time last year, 696 WNV positive dead birds had been reported from 30 counties.

Mosquito Pools

West Nile virus

A total of 87 new WNV positive mosquito pools were reported from 14 counties: Fresno (6), Imperial (1), Kern (4), Los Angeles (12), Madera (6), Merced (6), Placer (2), San Bernardino (2), San Joaquin (16), Shasta (2), Solano (2), Stanislaus (4), Tulare (22) and Yolo (2). In 2024, 1,835 WNV positive mosquito pools have been reported from 25 counties. At this time last year, 4,135 WNV positive mosquito pools had been reported from 31 counties.

St. Louis encephalitis virus

One new SLEV positive mosquito pool was reported from Fresno County. In 2024, 26 SLEV positive mosquito pools have been reported from 5 counties: Fresno (13), Imperial (1), Kings (3), Madera (4), and Tulare (5). At this time last year, 615 SLEV positive mosquito pools had been reported from 15 counties.

Sentinel Chickens

No new WNV positive chickens were reported this week. In 2024, 139 WNV positive sentinel chickens have been reported from 15 counties. At this time last year, 163 WNV positive chickens had been reported from 17 counties.

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2023 & 2024 YTD West Nile Virus Comparisons		
	2023	2024
Total No. Dead Bird Reports	5,695	5,504
No. Positive Counties	41	31
No. Human Cases	183	63
No. Positive Dead Birds / No. Tested	696 / 1,694	474 / 1,606
No. Positive Mosquito Pools / No. Tested	4,135 / 45,548	1,835 / 40,797
No. Seroconversions / No. Tested	163 / 3,128	139 / 3,957

YTD WNV Activity by Element and County, 2024					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			50	20	
Butte	11		4	70	27
Calaveras	1				
Colusa	1		1		2
Contra Costa	2		6	10	8
Fresno	10			200	
Imperial				3	
Kern	2			47	
Kings	5			87	
Lake			2	13	5
Los Angeles	2	1	13	157	32
Madera			1	108	
Merced	1		1	41	12
Nevada					1
Orange	1		1	42	
Placer		1	3	93	
Riverside	3		2	217	
Sacramento	2	1	62	53	1
San Bernardino	3		10	76	
San Diego		1	4		
San Joaquin	1	1	6	167	
San Mateo			31		
Santa Clara	3		268	33	
Shasta	1			37	2
Solano			2	13	5
Stanislaus	4			49	
Sutter				32	19
Tehama	1				5
Tulare				172	10
Yolo	5		5	63	3
Yuba	4	1	2	32	7
Totals	63	6	474	1,835	139

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TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	4	0	0
	YTD	63	0	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	23 / 49
	YTD	474 / 1,606

Chicken Sera	Week	0 / 79	0 / 79	0 / 79
	YTD	139 / 3,957	0 / 3,957	0 / 3,957

Mosquito Pools	Week	87 / 1,698	1 / 1,698	0 / 1,698	0 / 61	0 / 61	0 / 61
	YTD	1,835 / 40,797	26 / 37,923	0 / 37,489	0 / 976	0 / 976	0 / 976

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Alameda	Alameda Co MAD	Newark	94560	American Crow	9/19/2024	WNV
Alameda	Alameda Co MAD	Castro Valley	94552	American Crow	9/24/2024	WNV
Los Angeles	Los Angeles Co West VCD	Los Angeles	90066	American Crow	9/12/2024	WNV
Los Angeles	San Gabriel Valley MVCD	West Covina	91790	American Crow	9/19/2024	WNV
Madera	Madera Co MVCD	Madera	93637	Finch	9/19/2024	WNV
Merced	Merced Co MAD	Atwater	95301	American Crow	9/19/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Rio Linda	95673	California Scrub-Jay	9/20/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95864	California Scrub-Jay	9/21/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Wilton	95693	California Scrub-Jay	9/23/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	American Crow	9/18/2024	WNV
San Mateo	San Mateo Co MVCD	Atherton	94027	American Crow	9/21/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95128	Unknown - Crow or Raven	9/18/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	Unknown - Crow or Raven	9/19/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95118	American Crow	9/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	9/23/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	9/23/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	9/23/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95135	American Crow	9/23/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95124	Unknown	9/23/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95139	American Crow	9/24/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	9/25/2024	WNV
Santa Clara	Santa Clara Co VCD	Campbell	95008	American Crow	9/25/2024	WNV
Santa Clara	Santa Clara Co VCD	Santa Clara	95050	Unknown - Crow or Raven	9/25/2024	WNV

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Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Fresno	CNSL 3552	276	Cx quinquefasciatus	Orange Cove	50	GRVD	09/19/2024	WNV
Fresno	FRWS 1202	308	Cx tarsalis	Dos Palos	50	CO2	09/24/2024	WNV
Fresno	FRWS 1202	311	Cx tarsalis	Dos Palos	50	CO2	09/24/2024	WNV
Fresno	FRWS 300031	307	Cx tarsalis	Firebaugh	47	CO2	09/24/2024	WNV
Fresno	FRWS 3201	306	Cx tarsalis	Firebaugh	27	CO2	09/24/2024	WNV
Fresno	FRWS 410003	296	Cx tarsalis	Kerman	50	BGSENT	09/19/2024	SLEV
Fresno	FRWS 5116	318	Cx tarsalis	Tranquility	50	CO2	09/24/2024	WNV
Imperial	IMPR 10	184	Cx quinquefasciatus	Niland	12	BGSENT	09/23/2024	WNV
Kern	DLNO 0	163	Cx tarsalis	Delano	50	CO2	09/12/2024	WNV
Kern	DLNO 0	164	Cx tarsalis	Delano	50	CO2	09/12/2024	WNV
Kern	DLNO 166	161	Cx quinquefasciatus	Delano	30	BGSENT	09/05/2024	WNV
Kern	DLNO 44	169	Cx quinquefasciatus	Delano	38	BGSENT	09/19/2024	WNV
Los Angeles	GRLA 2007	5885	Cx quinquefasciatus	Toluca Lake	50	GRVD	09/16/2024	WNV
Los Angeles	GRLA 2295	759	Cx quinquefasciatus	Los Angeles	50	GRVD	09/20/2024	WNV
Los Angeles	GRLA 2604	5894	Cx quinquefasciatus	Eagle Rock	44	GRVD	09/18/2024	WNV
Los Angeles	GRLA 3062	758	Cx quinquefasciatus	Los Angeles- Florence- Firestone	47	GRVD	09/20/2024	WNV
Los Angeles	GRLA 3069	5887	Cx quinquefasciatus	Valley Village	23	GRVD	09/16/2024	WNV
Los Angeles	LACW 1004	946	Cx quinquefasciatus	Lawndale	29	CO2	09/10/2024	WNV
Los Angeles	LACW 1054	954	Cx quinquefasciatus	Inglewood	50	CO2	09/12/2024	WNV
Los Angeles	LACW 1054	955	Cx quinquefasciatus	Inglewood	50	CO2	09/12/2024	WNV
Los Angeles	LACW 1054	956	Cx quinquefasciatus	Inglewood	41	CO2	09/12/2024	WNV
Los Angeles	SGVA 1498	735	Cx quinquefasciatus	West Covina	39	GRVD	09/26/2024	WNV
Los Angeles	SGVA 474	726	Cx quinquefasciatus	San Gabriel	50	GRVD	09/24/2024	WNV
Los Angeles	SGVA 961	730	Cx quinquefasciatus	Alhambra	50	GRVD	09/24/2024	WNV
Madera	MADR 12354	640	Cx quinquefasciatus	Madera	31	CO2	09/17/2024	WNV
Madera	MADR 12363	653	Cx tarsalis	Madera	50	CO2	09/19/2024	WNV
Madera	MADR 259	645	Cx tarsalis	Madera	44	CO2	09/17/2024	WNV
Madera	MADR 690	658	Cx quinquefasciatus	Madera	50	CO2	09/19/2024	WNV
Madera	MADR 732	643	Cx tarsalis	Madera	33	CO2	09/17/2024	WNV
Madera	MADR 756	676	Cx tarsalis	Madera	50	CO2	09/19/2024	WNV
Merced	MERC 201523	622	Cx tarsalis	Atwater	32	CO2	09/25/2024	WNV
Merced	MERC 215779	618	Cx pipiens	Mcswain	50	CO2	09/25/2024	WNV
Merced	MERC 293427	616	Cx pipiens	Atwater	39	CO2	09/25/2024	WNV
Merced	MERC 342485	632	Cx tarsalis	Atwater	28	CO2	09/25/2024	WNV
Merced	MERC 666518	611	Cx pipiens	Atwater	48	CO2	09/25/2024	WNV
Merced	MERC 727855	609	Cx pipiens	Franklin	32	CO2	09/25/2024	WNV
Placer	PLCR 191218	1657	Cx stigmatosoma	Roseville	3	CO2	09/24/2024	WNV
Placer	PLCR 194232	1646	Cx tarsalis	Pleasant Grove	50	CO2	09/24/2024	WNV
San Bernardino	WVAL 5758	2203	Cx quinquefasciatus	Ontario	27	BGSENT	09/27/2024	WNV
San Bernardino	SANB 536	363	Cx stigmatosoma	San Bernardino	5	GRVD	9/6/2024	WNV
San Joaquin	SJCM 8032	1679	Cx tarsalis	Escalon	13	CO2	09/24/2024	WNV

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San Joaquin	SJCM 8032	1680	Cx pipiens	Escalon	40	CO2	09/24/2024	WNV
San Joaquin	SJCM 8041	1717	Cx tarsalis	Lodi	43	CO2	09/24/2024	WNV
San Joaquin	SJCM 8143	1774	Cx tarsalis	Stockton	50	CO2	09/25/2024	WNV
San Joaquin	SJCM 8143	1775	Cx tarsalis	Stockton	50	CO2	09/25/2024	WNV
San Joaquin	SJCM 8161	1708	Cx pipiens	Ripon	29	CO2	09/24/2024	WNV
San Joaquin	SJCM 8206	1768	Cx tarsalis	Lodi	50	CO2	09/24/2024	WNV
San Joaquin	SJCM 8208	1704	Cx tarsalis	Lodi	50	CO2	09/24/2024	WNV
San Joaquin	SJCM 8210	1727	Cx pipiens	Escalon	50	CO2	09/24/2024	WNV
San Joaquin	SJCM 8210	1728	Cx pipiens	Escalon	50	CO2	09/24/2024	WNV
San Joaquin	SJCM 8210	1729	Cx pipiens	Escalon	50	CO2	09/24/2024	WNV
San Joaquin	SJCM 8210	1731	Cx pipiens	Escalon	50	CO2	09/24/2024	WNV
San Joaquin	SJCM 8210	1732	Cx pipiens	Escalon	50	CO2	09/24/2024	WNV
San Joaquin	SJCM 8210	1733	Cx pipiens	Escalon	50	CO2	09/24/2024	WNV
San Joaquin	SJCM 8210	1734	Cx pipiens	Escalon	50	CO2	09/24/2024	WNV
San Joaquin	SJCM 8210	1736	Cx tarsalis	Escalon	20	CO2	09/24/2024	WNV
Shasta	SHAS 130	798	Cx pipiens	Redding	39	CO2	09/25/2024	WNV
Shasta	SHAS 629	785	Cx pipiens	Anderson	50	CO2	09/24/2024	WNV
Solano	SOLA 29	452	Cx tarsalis	Dixon	50	CO2	09/20/2024	WNV
Solano	SOLA 8803	446	Cx tarsalis	Dixon	50	CO2	09/20/2024	WNV
Stanislaus	EAST 2066	24092	Cx pipiens	Modesto	10	CO2	09/18/2024	WNV
Stanislaus	TRLK 1214	715	Cx pipiens	Turlock	50	CO2	09/24/2024	WNV
Stanislaus	TRLK 24342	689	Cx pipiens	Turlock	50	CO2	09/24/2024	WNV
Stanislaus	TRLK 536	695	Cx pipiens	Turlock	50	CO2	09/24/2024	WNV
Tulare	DLNO 0	180	Cx quinquefasciatus	Delano	19	CO2	09/20/2024	WNV
Tulare	DLTA 300011	3499	Cx quinquefasciatus	Visalia	50	BGSENT	09/24/2024	WNV
Tulare	DLTA 300020	3225	Cx quinquefasciatus	Visalia	50	BGSENT	09/18/2024	WNV
Tulare	DLTA 400012	3479	Cx quinquefasciatus	Visalia	50	BGSENT	09/24/2024	WNV
Tulare	DLTA 64064	3436	Cx stigmatosoma	Dinuba	50	CO2	09/24/2024	WNV
Tulare	DLTA 64074	3315	Cx stigmatosoma	Dinuba	12	GRVD	09/20/2024	WNV
Tulare	DLTA 64163	3318	Cx quinquefasciatus	Dinuba	43	GRVD	09/20/2024	WNV
Tulare	DLTA 740744	3458	Cx quinquefasciatus	London	50	CO2	09/24/2024	WNV
Tulare	DLTA 752842	3341	Cx quinquefasciatus	Ivanhoe	45	CO2	09/20/2024	WNV
Tulare	DLTA 8324	3298	Cx quinquefasciatus	Goshen	50	BGSENT	09/19/2024	WNV
Tulare	DLTA 8324	3535	Cx quinquefasciatus	Goshen	50	BGSENT	09/24/2024	WNV
Tulare	DLTA 8324	3540	Cx quinquefasciatus	Goshen	50	BGSENT	09/24/2024	WNV
Tulare	DLTA 8324	3560	Cx quinquefasciatus	Goshen	50	BGSENT	09/24/2024	WNV
Tulare	DLTA 84121	3363	Cx quinquefasciatus	Visalia	21	CO2	09/20/2024	WNV
Tulare	DLTA 842132	3256	Cx quinquefasciatus	Visalia	32	CO2	09/18/2024	WNV
Tulare	DLTA 8424	3290	Cx quinquefasciatus	Visalia	16	BGSENT	09/19/2024	WNV
Tulare	DLTA 9402	3376	Cx quinquefasciatus	Visalia	16	BGSENT	09/20/2024	WNV
Tulare	DLTA 94032	3406	Cx quinquefasciatus	Visalia	50	BGSENT	09/24/2024	WNV
Tulare	DLTA 9504	3215	Cx quinquefasciatus	Visalia	11	BGSENT	09/18/2024	WNV
Tulare	DLTA 9606	3317	Cx quinquefasciatus	Farmersville	14	GRVD	09/20/2024	WNV
Tulare	TLRE 192412	111	Cx quinquefasciatus	Visalia	50	GRVD	09/12/2024	WNV
Tulare	TLRE 192412	112	Cx quinquefasciatus	Visalia	50	GRVD	09/12/2024	WNV

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Yolo	SAYO 136010	5091	Cx tarsalis	Woodland	50	CO2	09/24/2024	WNV
Yolo	SAYO 145016	5030	Cx tarsalis	Davis	45	CO2	09/24/2024	WNV

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>

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