

Sacramento-Yolo  
MOSQUITO & VECTOR  
CONTROL DISTRICT

MARCH 19, 2024

BOARD OF TRUSTEES  
REGULAR MEETING

BOARD PACKET

10:00 A.M.

8631 BOND ROAD  
ELK GROVE, CA 95624

**SACRAMENTO/YOLO MOSQUITO  
& VECTOR CONTROL DISTRICT  
BOARD OF TRUSTEES REGULAR MEETING**

8631 Bond Road  
Elk Grove, CA 95624

**AGENDA  
March 19, 2024  
10:00 AM**

*In compliance with the Americans with Disability Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact the District office at (916) 685-1022 or (916) 685-5464 (fax). Requests must be made as early as possible and at least one-full business day before the start of the meeting. Documents and materials relating to an open session agenda item that are provided to the SYMVCD Board less than 72 hours prior to a regular meeting will be available for public inspection and copying at 8631 Bond Road, Elk Grove, Ca 95624. The documents will also be available on the agency's website at [www.fightthebite.net](http://www.fightthebite.net).*

*IMPORTANT NOTICE REGARDING VIRTUAL PUBLIC PARTICIPATION: The District currently provides in person as well as virtual public participation via the Zoom link below until further notice. The public shall have the opportunity to directly address the Board on any item of interest before or during the Board's consideration of that item. Public comment on items within the jurisdiction of the Board is welcomed, subject to reasonable time limitations for each speaker.*

Zoom link and call in numbers are available at the meeting registration link on our website at <https://www.fightthebite.net/about/about-the-board/>

**CALL TO ORDER:**

- **Roll Call**
- **Pledge of Allegiance**

**1. Items for Approval by General Consent:**

- a. **Minutes of the February 20, 2024 Board of Trustees Meeting**
- b. **Expenditures for February 2024**
- c. **Board Consideration of Including Eastside MAD to the VDCI Contract for Aerial Services**

**2. Opportunity for Public Comment**

*This item is reserved for members of the public who wish to speak on items not on the agenda*

**3. Reports to the Board**

- a. **Manager's Report**
- b. **Reports from District Departments**
  - **Lab/Surveillance**

- **Ecological Management**
- **Biological Control**
- **Larval and Adult Control**
- **Public Outreach**

4. **Board Review and Consideration of Repellent Purchases not to exceed \$75,000**
5. **Board Review and Consideration of Supporting the AMCA Research Foundation in the Amount of \$50,000**
6. **Board/Staff General Discussion**
7. **Adjournment**

**MINUTES OF THE February 20, 2024  
MEETING OF THE BOARD OF TRUSTEES OF THE SACRAMENTO-  
YOLO MOSQUITO & VECTOR CONTROL DISTRICT**

**Location:** In Person @ 8631 Bond Rd, Elk Grove, California

**Time:** 10:00 a.m.

**Call to Order:** The meeting was called to order by Board President Sean Denny at 10:00 a.m.

**Trustees Present:**

Sean Denny	President	Woodland
Charles Duty	Vice President	Sacramento County
Marcia Mooney		Galt
Lyn Hawkins		Elk Grove
Jayna Karpinski-Costa		Citrus Heights
Raymond LaTorre		Sacramento
Robert McGarvey		Rancho Cordova
William Reisen		Yolo County
Gar House		Winters
Chris Barker		Davis
Absent		
Staci Gardiner		Isleton
Craig Burnett		Folsom
Janell Darroch	Secretary	West Sacramento

**Staff Present:**

Gary Goodman	Manager
Tony Hedley	Assistant Manager
Steve Ramos	Assistant Manager
Marty Scholl	Program Manager
Luz Robles	Public Information Officer
Lisa Pelletier	Administrative Manager

**Roll Call**

This meeting was in person. Attendance was taken by Roll Call and a quorum was present.

**Pledge of Allegiance**

*All phones and electronic devices are requested to be silenced during the Pledge of Allegiance and for the duration of the meeting.*

**1. Items for Approval by General Consent**

On a motion by Trustee Karpinski-Costa and seconded by Trustee Mooney, the Board voted to approve the General Consent Items. The vote was taken voice vote and the motion passed unanimously-Ayes:10, Noes:0, Absent:3

- a. Minutes of the January 16, 2024 Board of Trustees Meeting
- b. Expenditures for January 2024
- c. District Investment Reports for Period Ending 12/31/2023

**2. Opportunity for Public Comment**

Public comment was made by Camila Vogel who expressed her opinion on District operations.

**3. Reports to the Board**

**Manager's Report:**

The Manager discussed the beginning of the year activities and the preparation for the 2024 season. He provided a recap of the MVCAC annual conference, announced the 2024 VCJPA Workshop and requested submission of the Conflict of Interest Form 700s.

**Reports from District Departments:**

Oral Reports were given by the following:  
Public Information Officer, Luz Robles  
Program Coordinator, Marty Scholl

**Public Outreach:**

During the Public Information and Outreach update, Luz talked about the media attention received from the increase in mosquito activity due to the warm weather. She also updated the board on the various school assemblies that took place in January as well as encouraged them to attend any assemblies taking place in the upcoming months. Luz also mentioned that she is currently putting together the list of outreach events for the season, starting to gather information and proposals for the 2024 advertising campaign and working on the annual report. Lastly she is also re-ordering materials that will be needed for the beginning of the season.

**Larval and Adult Control:**

Program Coordinator Marty Scholl submitted a written report on the Larval and Adult Control activities. The written report summarized ongoing field control activities on which are minimal this time of year, and he also outlined the continuing education and winter projects' progress for the District.

**4. Board Consideration and Approval of \$375,000 to fund the Public Outreach Advertising Plan for the 2024 Mosquito Season**

The Manager introduced the item and discussed it with the Board. A motion was made by Trustee LaTorre and seconded by Trustee Mooney. Voice vote was taken and it passed anonymously-Ayes:10, Noes:0, Absent:3

**5. Board Review and Consideration of District's Five Year Plan**

The Manager introduced the item and Assistant Manager's Steve Ramos and Tony Hedley highlighted some of the accomplishments from the past year and some of the larger projects expected to begin in 2024. The Board continued the discussion with questions. This item was for information only and no formal action was required.

**6. Board/Staff Reports and Requests / General Discussion**

The Manager discussed the upcoming MVCAC Legislative Day and AMCA Washington Day. He also gave notice to the Board on upcoming agenda items including a surplus list, a new MOU with Eastside MVCD for aerial applications, and potential new agreements with our vendors for pesticide purchases.

**7. ADJOURNMENT**

The meeting adjourned at 11:42 a.m.

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the February 20<sup>th</sup>, 2024, meeting.

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Lisa Pelletier, Administrative Manager

Approved as written and/or corrected by the Board of Trustees at the February 20<sup>th</sup>, 2024, meeting.

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Janell Darroch, Board Secretary

Sacramento-YOLO Mosquito and Vector Control District

Check History Report

February 2024

Num	Date	Name	Credit	Type
<b>Feb 24</b>				
58151	02/01/2024	U.S. Bank	28,157.76	Bill Pmt -Che...
58152	02/01/2024	Auto Glass Now/ All Star Glass	583.93	Bill Pmt -Che...
58153	02/01/2024	Dignity Health Med Fdn-Sacramento	210.00	Bill Pmt -Che...
58154	02/01/2024	Duty, Charles	324.59	Bill Pmt -Che...
58155	02/01/2024	Elk Grove Water District	564.39	Bill Pmt -Che...
58156	02/01/2024	Gary W. Goodman	1,484.42	Bill Pmt -Che...
58157	02/01/2024	Hippensteel Group	3,693.75	Bill Pmt -Che...
58158	02/01/2024	Kimball Midwest	394.68	Bill Pmt -Che...
58159	02/01/2024	Pacific Power Electrical Services	4,100.00	Bill Pmt -Che...
58160	02/01/2024	Radial Tire of Elk Grove	109.95	Bill Pmt -Che...
58161	02/01/2024	Reisen, William	310.59	Bill Pmt -Che...
58162	02/01/2024	Republic Services #922	356.16	Bill Pmt -Che...
58163	02/01/2024	Safety Kleen Corp	624.66	Bill Pmt -Che...
58164	02/01/2024	SMUD	3,341.86	Bill Pmt -Che...
58165	02/01/2024	Valley Fire & Security	69.50	Bill Pmt -Che...
58166	02/01/2024	Vector Disease Control International	53,125.00	Bill Pmt -Che...
58167	02/06/2024	Operating Engineers Local Union No. 3	897.00	Check
58168	02/09/2024	Airgas USA LLC	276.33	Bill Pmt -Che...
58169	02/09/2024	ArcSource	1,020.75	Bill Pmt -Che...
58170	02/09/2024	AutoZone Inc	2,116.02	Bill Pmt -Che...
58171	02/09/2024	Barnes Welding	541.63	Bill Pmt -Che...
58172	02/09/2024	Buckmaster Office Solutions	162.73	Bill Pmt -Che...
58173	02/09/2024	Cintas Corporation	4,575.16	Bill Pmt -Che...
58174	02/09/2024	City of Woodland	435.66	Bill Pmt -Che...
58175	02/09/2024	Consolidated Communications	2,250.29	Bill Pmt -Che...
58176	02/09/2024	Factory Motor Parts Co	93.53	Bill Pmt -Che...
58177	02/09/2024	Fallen Leaf Tree Service	28,640.00	Bill Pmt -Che...
58178	02/09/2024	Gary W. Goodman	1,292.20	Bill Pmt -Che...
58179	02/09/2024	GreatAmerica Financial Services	376.28	Bill Pmt -Che...
58180	02/09/2024	Grow West	171.15	Bill Pmt -Che...
58181	02/09/2024	Hunt & Sons Inc	3,812.45	Bill Pmt -Che...
58182	02/09/2024	Kimball Midwest	32.37	Bill Pmt -Che...
58183	02/09/2024	PG & E	3,830.89	Bill Pmt -Che...
58184	02/09/2024	Quench USA, Inc.	1,451.82	Bill Pmt -Che...
58185	02/09/2024	Radial Tire of Elk Grove	109.95	Bill Pmt -Che...
58186	02/09/2024	Red Shoe Productions	13,500.00	Bill Pmt -Che...
58187	02/09/2024	RKL eSolutions, LLC	400.00	Bill Pmt -Che...
58188	02/09/2024	Stericycle, Inc.	186.88	Bill Pmt -Che...
58189	02/09/2024	Valley Tire Center	28.00	Bill Pmt -Che...
58190	02/16/2024	CA State Disbursement Unit	350.00	Check
58191	02/23/2024	Advance Auto Parts	94.28	Bill Pmt -Che...
58192	02/23/2024	Airgas USA LLC	79.81	Bill Pmt -Che...
58193	02/23/2024	Bartkiewicz Kronick & Shanahan	1,897.50	Bill Pmt -Che...
58194	02/23/2024	Benefit Coordinators Corp.	9,366.80	Bill Pmt -Che...
58195	02/23/2024	Buckmaster Office Solutions	71.14	Bill Pmt -Che...
58196	02/23/2024	CA Department of Fish & Wildlife (Region	80.34	Bill Pmt -Che...
58197	02/23/2024	EDD	1,748.00	Bill Pmt -Che...
58198	02/23/2024	Ferrellgas	37.41	Bill Pmt -Che...
58199	02/23/2024	HD Supply/ Home Depot Pro Institutional	72.43	Bill Pmt -Che...
58200	02/23/2024	Hunt & Sons Inc	316.41	Bill Pmt -Che...
58201	02/23/2024	Kaiser Foundation Health Plan	56,465.98	Bill Pmt -Che...
58202	02/23/2024	Karpinski -Costa, Jayna	288.35	Bill Pmt -Che...
58203	02/23/2024	Kimball Midwest	28.84	Bill Pmt -Che...
58204	02/23/2024	Leading Edge Associates Inc.	1,800.00	Bill Pmt -Che...
58205	02/23/2024	Life Technologies Corporation	5,527.10	Bill Pmt -Che...
58206	02/23/2024	PG & E	199.45	Bill Pmt -Che...
58207	02/23/2024	Phelps, Brian	400.00	Bill Pmt -Che...
58208	02/23/2024	Radial Tire of Elk Grove	119.95	Bill Pmt -Che...
58209	02/23/2024	River City Fire Equipment	97.44	Bill Pmt -Che...
58210	02/23/2024	RKL eSolutions, LLC	800.00	Bill Pmt -Che...
58211	02/23/2024	Sacramento County Utilities	960.54	Bill Pmt -Che...
58212	02/23/2024	Spark Creative Design	493.50	Bill Pmt -Che...
58213	02/23/2024	Sutter Health Plus	10,020.14	Bill Pmt -Che...
58214	02/23/2024	United Textile Inc	229.12	Bill Pmt -Che...
58215	02/23/2024	Waste Management-	256.35	Bill Pmt -Che...
58216	02/23/2024	Benefit Coordinators Corporation	3,838.34	Bill Pmt -Che...
58217	02/23/2024	Western Health Advantage	1,222.42	Bill Pmt -Che...

## Sacramento-YOLO Mosquito and Vector Control District

03/05/24

## Check History Report

Accrual Basis

February 2024

Num	Date	Name	Credit	Type
58218	02/23/2024	Western Health Advantage	8,629.42	Bill Pmt -Che...
58221	02/29/2024	Alhambra & Sierra Springs	25.99	Bill Pmt -Che...
58222	02/29/2024	ArcSource	1,000.00	Bill Pmt -Che...
58223	02/29/2024	Auto Glass Now/ All Star Glass	276.26	Bill Pmt -Che...
58224	02/29/2024	Barnes Welding	1,147.49	Bill Pmt -Che...
58225	02/29/2024	Buckmaster Office Solutions	40.00	Bill Pmt -Che...
58226	02/29/2024	City of Galt	30.00	Bill Pmt -Che...
58227	02/29/2024	Cleanit Maintenance Systems LLC	2,995.00	Bill Pmt -Che...
58228	02/29/2024	Flip Spaces Design Labs, Inc.	13,300.00	Bill Pmt -Che...
58229	02/29/2024	Hunt & Sons Inc	2,200.43	Bill Pmt -Che...
58230	02/29/2024	Kimball Midwest	46.72	Bill Pmt -Che...
58231	02/29/2024	NearMap	13,500.00	Bill Pmt -Che...
58232	02/29/2024	PG & E	4,898.45	Bill Pmt -Che...
58233	02/29/2024	Pitney Bowes Global Financial Services LL	293.92	Bill Pmt -Che...
58234	02/29/2024	Republic Services #922	356.16	Bill Pmt -Che...
58235	02/29/2024	Spark Creative Design	210.75	Bill Pmt -Che...
58236	02/29/2024	T-Mobile	2,444.84	Bill Pmt -Che...
58237	02/29/2024	Valley Fire & Security	69.50	Bill Pmt -Che...
58238	02/29/2024	Verizon Wireless	6,581.43	Bill Pmt -Che...
<b>Feb 24</b>			<b>318,560.33</b>	



**Sacramento-YOLO Mosquito and Vector Control District**  
**STATEMENT OF OPERATION**  
July 2023 through February 2024

	Jul '23 - Feb 24	Budget	\$ Over Budget
<b>Ordinary Income/Expense</b>			
Income	9,480,367.67	19,292,432.00	-9,812,064.33
<b>Gross Profit</b>	9,480,367.67	19,292,432.00	-9,812,064.33
<b>Expense</b>			
12500 · Prepaid Expense*	-100,000.00		
5000 · SALARIES/BENEFITS/WC	5,917,854.63	10,240,688.00	-4,322,833.37
<b>5200 · OPERATIONAL</b>			
5210 · LIABILITY INSURANCE	297,579.18	288,499.00	9,080.18
5250 · AUDITING/FISCAL	19,000.00	25,000.00	-6,000.00
5270 · COMMUNICATIONS	63,429.65	110,000.00	-46,570.35
5310 · PUBLIC INFORMATION	218,103.35	611,000.00	-392,896.65
5340 · STRUCTURE & GROUNDS	108,975.82	71,000.00	37,975.82
5370 · MEMBER/TRAINING	103,755.28	160,000.00	-56,244.72
5390 · DISTRICT OFFICE EXPENSES	13,393.22	25,000.00	-11,606.78
5430 · PROFESSIONAL SERVICES	264,471.43	341,000.00	-76,528.57
5440 · MATERIALS & SUPPLIES	10,422.18	14,500.00	-4,077.82
5450 · RENTS & LEASES	6,140.77	12,000.00	-5,859.23
5470 · SAFETY PROGRAM	2,230.00	5,000.00	-2,770.00
5480 · UTILITIES	71,461.91	140,000.00	-68,538.09
6120 · AIRCRAFT SERVICES	997,839.32	1,129,000.00	-131,160.68
6140 · ECOLOGICAL MANAGEMENT	4,662.90	20,500.00	-15,837.10
6160 · MICROBIAL	869,289.94	1,150,000.00	-280,710.06
6170 · BIORATIONALS	689,854.62	1,200,000.00	-510,145.38
6180 · INSECTICIDES	786,037.92	750,000.00	36,037.92
6220 · FISHERIES	13,744.57	41,000.00	-27,255.43
6280 · GEOGRAPHIC INFO SYSTE...	4,056.00	9,000.00	-4,944.00
6320 · INFORMATION TECHNOLOGY	60,497.12	120,000.00	-59,502.88
6350 · CONTROL OPERATIONS	18,103.86	70,000.00	-51,896.14
6370 · SHOP DEPT	154,338.44	145,000.00	9,338.44
6420 · LAB SERVICES	89,944.70	230,000.00	-140,055.30
6450 · GAS & PETROLEUM	128,285.43	250,000.00	-121,714.57
<b>Total 5200 · OPERATIONAL</b>	4,995,617.61	6,917,499.00	-1,921,881.39
62600 · Ask Accountant	1,748.00		
66000 · Payroll Expenses	8,992.13		
<b>Total Expense</b>	10,824,212.37	17,158,187.00	-6,333,974.63
<b>Net Ordinary Income</b>	-1,343,844.70	2,134,245.00	-3,478,089.70
<b>Other Income/Expense</b>			
Other Income			
40995 · Insurance Claim Reimb	37,257.94		
<b>Total Other Income</b>	37,257.94		

	<u>Jul '23 - Feb 24</u>	<u>Budget</u>	<u>\$ Over Budget</u>
<b>Other Expense</b>			
<b>7000 · CAPITAL ACCOUNTS</b>			
70010 · CAPITAL OUTLAY	0.00	193,000.00	-193,000.00
70050 · CONTINGENCY	0.00	0.00	0.00
70070 · RESEARCH FUND	0.00	75,000.00	-75,000.00
70080 · BUILDING IMPROVEMENT	40,650.00	735,000.00	-694,350.00
70085 · CalPERS Add Discretionary ...	1,975,783.00	1,500,000.00	475,783.00
<b>Total 7000 · CAPITAL ACCOUNTS</b>	<b>2,016,433.00</b>	<b>2,503,000.00</b>	<b>-486,567.00</b>
<b>70030 · CAPITAL OUTLAY 2</b>	<b>110,843.03</b>		
70040 · EQUIPMENT REPLACEMENT	0.00	600,000.00	-600,000.00
90999 · Suspense Expense	0.00		
<b>Total Other Expense</b>	<b>2,127,276.03</b>	<b>3,103,000.00</b>	<b>-975,723.97</b>
<b>Net Other Income</b>	<b>-2,090,018.09</b>	<b>-3,103,000.00</b>	<b>1,012,981.91</b>
<b>Net Income</b>	<b>-3,433,862.79</b>	<b>-968,755.00</b>	<b>-2,465,107.79</b>

# **Sacramento-Yolo Mosquito and Vector Control District**

## **March 19, 2024 Board Meeting**

### **1. Items for Approval by General Consent:**

c. Board Consideration of Including Eastside MAD to the VDCI Contract for Aerial Services

#### **Staff Report:**

The District negotiated an aerial contract with VDCI to provide adulticiding services. The District then entered into MOU's with Placer County, Merced, Turlock, and San Joaquin to share costs in the program. Eastside MAD is now interested in joining the program and is willing to commit to 60,000 acres. Their involvement will help us meet or exceed the one million acre contract and allow for some flexibility with the other Districts in case their allocation is not met.

A copy of the MOU with Eastside MAD is included and follows the same format as the previous agreements.

**MEMORANDUM OF UNDERSTANDING CONCERNING SHARED  
VDCI AERIAL SERVICES AND RELATED COST SHARING**  
[East Side Mosquito and Abatement District]

THIS MEMORANDUM OF UNDERSTANDING is made effective this March 1, 2024, by and between Sacramento-Yolo Mosquito and Vector Control District (“Sac-Yolo”), and East Side Mosquito and Abatement District (“East Side”), who agree as follows:

**1. Recitals.** This MOU is made with reference to the following background recitals:

1.1. Sac-Yolo provides mosquito and vector control services to the Counties of Sacramento and Yolo. East Side provides mosquito and vector control services to the northern portion of Stanislaus County north of the Tuolumne River.

1.2. Sac-Yolo contracts with Vector Disease Control International, LLC (“VDCI”) for aerial pesticide application services. Sac-Yolo and VDCI have an agreement to provide aerial adulticide services to Sac-Yolo. The VDCI agreement obligates Sac-Yolo to an annual payment of \$650,300 (payable in monthly installments) in exchange for a VDCI obligation to supply the two dedicated aircraft and apply pesticides to 1,000,000 acres per calendar year. Any acreage to be treated by VDCI exceeding 1,000,000 acres per year is subject to a charge of \$0.6503 per treated acre. Sac-Yolo and VDCI may arrange for a third aircraft to be supplied by VDCI, in which case the price per acre for the additional aircraft would be \$0.72 per treated acre. The Sac-Yolo/VDCI agreement also provides that the agreement scope may encompass the aerial treatment of other nearby counties.

1.3. East Side desires to share in and utilize a portion of the services to be provided by VDCI and to share in a proportionate amount of the VDCI service fee, on and subject to the terms of this MOU.

1.4. The parties acknowledge that Sac-Yolo also is making similar shared VDCI services arrangements with Placer Mosquito and Vector Control District, Turlock Mosquito Abatement District, San Joaquin Mosquito and Vector Control District and Merced County Mosquito Abatement District

**2. Sac-Yolo/VDCI Agreement Management.** Sac-Yolo will implement, execute and manage its aerial application services agreement with VDCI. Sac-Yolo will be the customer under the Sac-Yolo/VDCI agreement and it will be contractually liable to VDCI for payments due under that agreement.

**3. East Side Share of Service**

3.1. East Side will be entitled to receive aerial pesticide treatments by VDCI within the East Side service area in the amount of 60,000 acres per calendar year of the 1,000,000 acres per year to be provided under the Sac-Yolo/VDCI agreement. East Side from time to time will request Sac-Yolo to arrange and provide for East Side area services by VDCI. East Side will provide the precise scope, desired date(s) and time(s), location, acreage and type of aerial spraying to be performed. East Side will be responsible for supplying the pesticides to be applied, delivering and unloading the pesticides at the storage area (to be designated by

VDCI) at Sacramento McClellan Airport (or at such other airport in Sacramento or Yolo County designated by Sac-Yolo), and removing and disposing of the empty pesticide containers. Sac-Yolo will instruct VDCI to perform the work as requested by East Side and provide the services in accordance with the terms of the Sac-Yolo/VDCI agreement.

3.2. The parties, East Side, Placer MVCD, Turlock MAD, San Joaquin MVCD, Merced County MAD and VDCI will work and collaborate together to develop plans and schedules for coordinated VDCI services in the respective mosquito control district service areas. If there is a conflict in requested services between mosquito control districts, then the district that first requested the services will be served by VDCI first, unless the affected districts otherwise agree.

#### **4. East Side Funding of Cost Share.**

4.1. For the full 1,000,000 acres per year under the Sac-Yolo/VDCI agreement, Sac-Yolo will be charged \$637,500 per calendar year payable to VDCI in 12 equal monthly installments. East Side will pay and reimburse to Sac-Yolo 6% (calculated by 60,000 acres/year ÷ 1,000,000 acres/year) of the VDCI charges on a quarterly basis. At the end of each quarter, Sac-Yolo will submit to East Side an invoice in the amount of \$39,018 of the VDCI monthly charges (plus any charges that may be due under section 4.2). East Side will pay the invoice to Sac-Yolo within 30 days of its receipt. Interest will accrue on any late payment at the rate of 10% per annum. If payment has not been made within the 30-day period, then, in addition to other available remedies, Sac-Yolo may terminate this MOU or cease directing VDCI to perform work in the East Side service area pending payment of past due charges and interest.

4.2. If East Side requests aerial spraying by VDCI in a calendar year above the 60,000 acres amount, then any additional spraying above that amount will be charged to East Side at the rate of \$0.6503 per additional treated acre. If East Side and Sac-Yolo agree that VDCI will provide a third aircraft to provide services to Sac-Yolo and East Side, then East Side will be charged at the rate of \$0.72 per acre treated by the third aircraft. These additional payments, if any, will be invoiced to and payable by East Side in accordance with section 4.1.

**5. Record Keeping.** Sac-Yolo will keep and maintain accurate accounting and bookkeeping records relating to its charges by and payments to VDCI and the calculation of East Side invoices. East Side and its employees, accountants, attorneys and agents, may review, inspect, copy and audit these records, including all source documents.

**6. Term.** This MOU shall expire on December 31, 2025, unless sooner terminated by mutual written consent of the parties. The parties also may agree in writing to extend the term of this MOU.

**7. Indemnity.** East Side agrees to indemnify, defend, protect, and hold harmless Sac-Yolo, and its officers, employees, and agents from and against any and all liability, losses, claims, damages, expenses, demands, and costs (including, but not limited to, attorney, expert witness and consultant fees, and litigation costs) of every nature arising out of East Side's obligations and performance under this MOU and caused by any negligent act or omission, willful misconduct or violation of law of or by East Side or its

employees, agents and contractors, except where caused by the sole negligence or willful misconduct of Sac-Yolo or as otherwise provided or limited by law. East Side's obligations under this indemnification provision will survive the expiration of this MOU.

**8. Additional Insured.** Sac-Yolo will request VDCI to add East Side as an additional insured under the VDCI general and automobile insurance liability policies regarding liability arising out of the VDCI services under the Sac-Yolo/VDCI agreement and to provide to East Side written proof of insurance consistent with the requirements of the Sac-Yolo/VDCI agreement.

**9. General Provisions**

9.1. Entire Agreement. The parties intend this writing to be the sole, final, complete, exclusive and integrated expression and statement of the terms of their contract concerning the subject matter addressed in the MOU. This MOU supersedes all prior oral or written negotiations, representations, contracts or other documents that may be related to the subject matter of this MOU, except those other documents that may be expressly referenced in this MOU.

9.2. Construction and Interpretation. The parties agree and acknowledge that this MOU has been arrived at through negotiation, and that each party has had a full and fair opportunity to revise the terms of this MOU. Consequently, the normal rule of construction that any ambiguities are to be resolved against the drafting party will not apply in construing or interpreting this MOU.

9.3. Assignees. No party may assign, delegate, transfer or subcontract any of its rights, duties, obligations or other interests in this MOU without the other party's prior written consent. Any assignment, delegation, transfer or subcontract in violation of this provision is null and void and grounds for the other party to terminate this MOU.

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SACRAMENTO-YOLO MOSQUITO AND  
VECTOR CONTROL DISTRICT

EAST SIDE MOSQUITO ABATEMENT DISTRICT

By: \_\_\_\_\_  
Gary Goodman  
General Manager

By: \_\_\_\_\_  
J. Wakoli Wekesa, PhD,  
General Manager

# **Sacramento-Yolo Mosquito and Vector Control District**

## **March 19, 2024 Board Meeting**

### **3. Reports to the Board**

#### **a. Manager's Report**

#### **b. Reports from District Departments**

- **Lab/Surveillance (Sarah Wheeler)**
- **Ecological Management (Kevin Combo)**
- **Biological Control (Ken Harris)**
- **Larval and Adult Control (Marty Scholl)**
- **Public Outreach (Luz Maria Robles)**

#### **a. Manager's Report**

The rainy and cold weather will probably lead to more standing water in the spring.

The AMCA annual conference was held March 4-8 in Dallas. Staff gave 3 presentations and moderated some of the sessions.

The MVCAC Legislative Days were held in person on February 21<sup>st</sup>. The handouts that we gave to our legislators are attached.

The AMCA Washington Conference is currently scheduled for May 13-16.

We have been working on scheduling presentations with all of the City Councils. The presentations should be live or as a report depending on the individual preferences of the City. We will update the Board members on the specific schedule of when we will be at their respective locations.

District staff is working on scheduling interviews to fill current full time and seasonal vacancies within various departments.

#### **b. Reports from District Departments**

- **Lab/Surveillance (Sarah Wheeler)**
- **Ecological Management (Kevin Combo)**
- **Biological Control (Ken Harris)**
- **Larval and Adult Control (Marty Scholl)**
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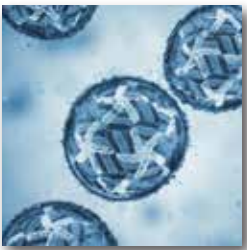
# STATE OF MOSQUITO CONTROL IN CALIFORNIA

California mosquito and vector control districts remain vigilant in protecting residents from mosquito-transmitted diseases. Despite this ongoing commitment to safeguarding public health, mosquito districts throughout the state face mounting challenges year after year.



## INTENSE WEST NILE VIRUS ACTIVITY

In 2023, California experienced record-breaking West Nile virus activity after experiencing heavy precipitation in the winter and spring. There were 402 human cases and 17 were fatal. A dormant lake in Tulare County refilled and controlled flooding of nearby residential parcels resulted in hundreds of new mosquito sources creating a public health emergency. State and federal funding and assistance with surveillance and control were needed as the majority of the area was not within a mosquito control district boundary and the scale of the emergency exceeded available local resources.



## INVASIVE MOSQUITOES CREATE NEW PUBLIC HEALTH RISKS

Climate change has created more favorable environments for invasive mosquitoes to develop and they continue to spread throughout the state rapidly. This past summer, for the first time, there were two cases of locally transmitted dengue in southern California. While there have been travel-associated cases of dengue in the state, local transmission is now a new reality that mosquito districts have to contend with. Malaria is also a public health threat as last year, for the first time since 2003, the U.S. had locally acquired cases of malaria that were reported in Florida, Texas, Maryland, and Arkansas.



## INNOVATIVE TECHNOLOGIES LAG

Mosquito districts need new innovative technologies to augment traditional control efforts but they cost hundreds of thousands of dollars. In the past 10 years, no new tools have been approved in our state to assist mosquito control districts in fighting the spread of invasive *Aedes* mosquitoes. The timeframe it takes for disease-spreading mosquitoes to invade new regions is not in line with current regulatory standards for approval and these delays put our state very far behind.



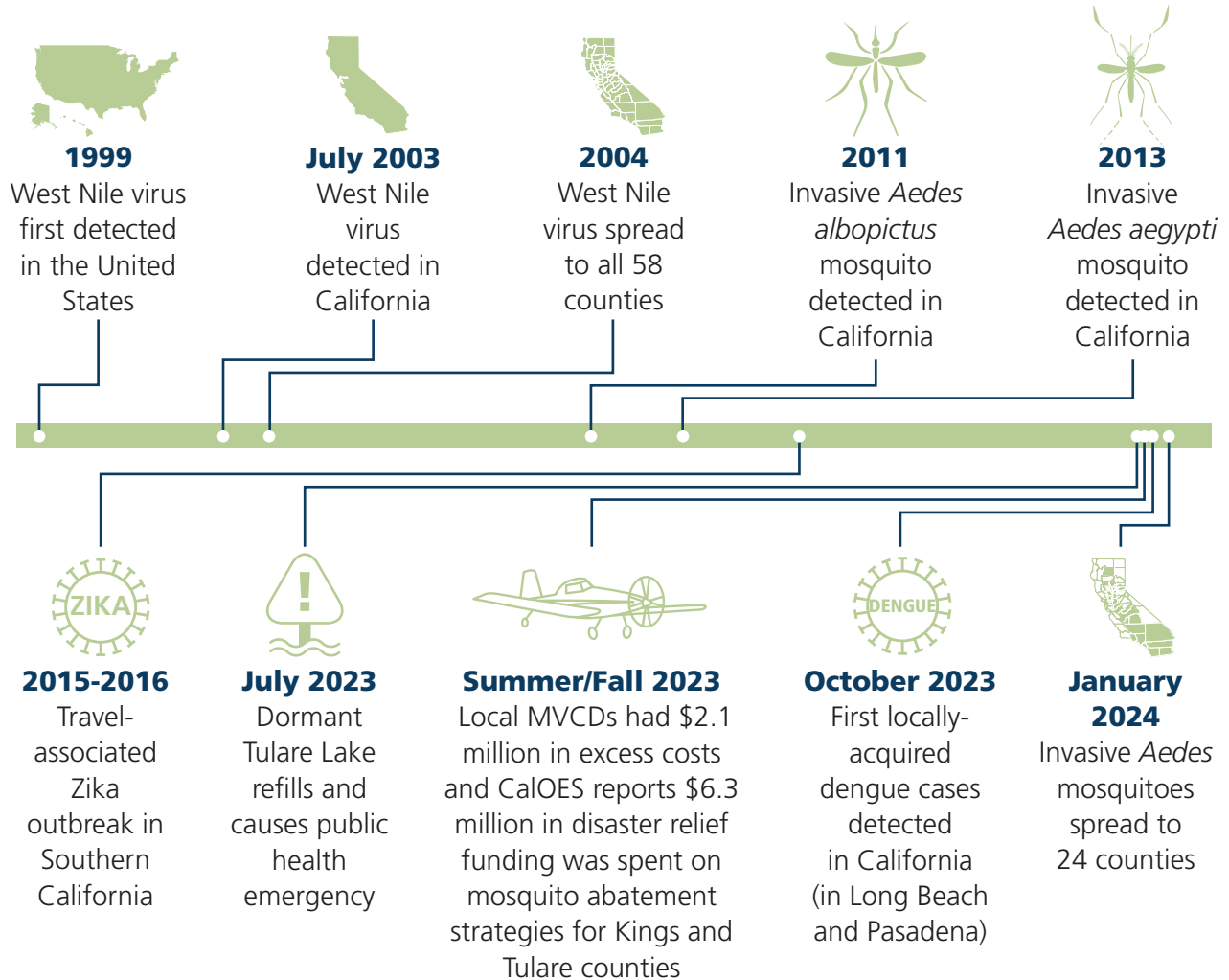
## FINANCIAL CONSTRAINTS SQUEEZING MOSQUITO DISTRICTS

Surveillance and treatment for invasive *Aedes* mosquitoes are very expensive and labor-intensive, and mosquito and vector control districts throughout the state are saddled with skyrocketing costs. While mosquito and vector control districts maintain reserves, some districts with invasive *Aedes* activity report spending nearly a half million dollars to control the spread of invasive mosquitoes and protect public health.



# TIMELINE OF IMPORTANT MOSQUITO AND VECTOR CONTROL NEWS

Over 100 years ago, in 1915, the state enacted legislation (the Mosquito Abatement Act) to combat mosquito threats in California. The threats continue to grow and California mosquito and vector control districts are on the front lines protecting public health.



## WHAT'S NEXT FOR MOSQUITO CONTROL IN CALIFORNIA?

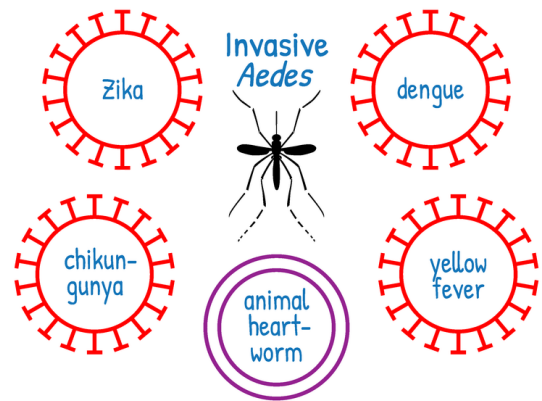
Climate change is creating weather whiplash that facilitates the spread of invasive mosquitoes and intensifies the transmission of mosquito-borne diseases. Mosquito and vector control districts throughout the state are preparing for this new normal but anticipate that state funding and assistance will be needed to keep pace with increasing mosquito-related public health threats. We look forward to partnering with the state to ensure that we can respond to public health emergencies and keep residents throughout California protected.



# BEYOND THE BASICS: INNOVATIVE TECHNIQUES NEEDED FOR INVASIVE MOSQUITO CONTROL

Invasive *Aedes* mosquitoes are rapidly spreading across California although they are not native to the state and don't have a place in our ecosystem. These mosquitoes are hard to control and can become resistant to commonly-used insecticides. Female *Aedes* mosquitoes lay their eggs in small water sources in front yards, backyards, and patios, areas where mosquito control agencies can't easily inspect or control. Also, their eggs are resistant to drying out and can survive for many months.

**Invasive *Aedes* mosquitoes are more than a nuisance - they are a serious public health threat and California's mosquito and vector control agencies need new ways to control them.**



There are three different innovative technologies being considered in California: self-limiting mosquitoes, *Wolbachia*, and irradiation. These technologies will be used as part of an overall Integrated Vector Management program.



**INTEGRATED VECTOR  
MANAGEMENT PROGRAM**

Finding environmentally friendly mosquito control tools is a priority. Innovative technologies will not replace traditional mosquito control methods but will be another Integrated Vector Management tool used to protect public health.

**To learn more please visit:  
[mvacac.org](http://mvacac.org)**

# LEARN HOW THE DIFFERENT TECHNOLOGIES WORK



## Self-limiting mosquitoes

**Self-limiting mosquitoes** are produced in a laboratory and carry two types of genes:

- A self-limiting gene that prevents female mosquito larva from surviving to adulthood.
- A fluorescent marker that glows under a special red light. This allows researchers to identify self-limiting mosquitoes in the wild.

Only male *Aedes* mosquitoes that have a self-limiting gene are released because male mosquitoes don't bite. When they mate with wild females their offspring inherit a copy of the self-limiting gene. This prevents female offspring from surviving to adulthood, ultimately reducing the number of biting female mosquitoes. These mosquitoes only mate with their own species, and their self-limiting gene can't establish in the ecosystem.



## Wolbachia

**Wolbachia** are bacteria naturally found in about 60 percent of insects around the world like butterflies, dragonflies, moths, and beetles.

There are different types of *Wolbachia* associated with different types of insects. This bacteria can be used to reduce disease-spreading mosquitoes.

Male *Aedes* mosquitoes are raised in a lab with a specific type of *Wolbachia* that they do not normally have. All male mosquitoes do not bite. These male *Aedes* mosquitoes are released to mate with wild female *Aedes* mosquitoes that have a different type of *Wolbachia* or none at all.

During mating, the mismatched *Wolbachia* bacteria causes the eggs not to hatch.



## Irradiation

**Irradiated mosquitoes** are raised in a laboratory where the male mosquitoes are separated from the females. Male mosquitoes, which don't bite, are sterilized using the same radiation found in x-rays and Gamma rays. The sterile male mosquitoes are released to mate with wild females. The resulting eggs do not hatch. This can reduce the overall number of mosquitoes over time.



# FROM DATA TO ACTION: CALSURV CONTINUES TO REVOLUTIONIZE MOSQUITO CONTROL

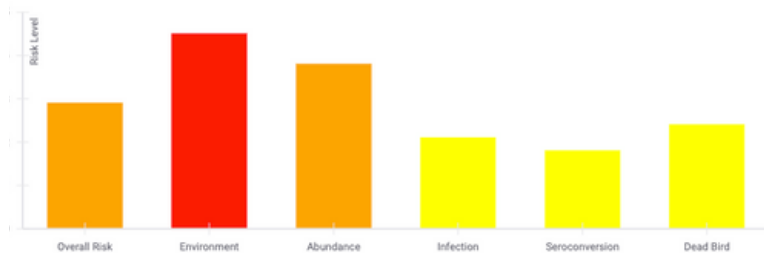
The California Vectorborne Disease Surveillance Gateway (CalSurv) is an essential tool in fighting vector-borne diseases. It is recognized in statute (AB 320 – Quirk) as the statewide surveillance database critical to preventing the spread of mosquito-borne diseases. The platform was included in the 2022-23 state budget as an annual appropriation. The state's ongoing support for this online interactive platform is critical as it enables real-time collection, visualization, and analysis of data on vector-borne diseases. CalSurv, housed at UC Davis, curates local and statewide data to enable 81 mosquito and vector control and public health agencies to make informed decisions on public health interventions.

## State funding has sustained CalSurv and enabled the addition of new capabilities

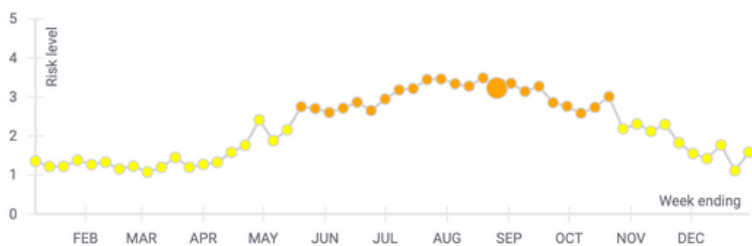
- New data tools to support surveillance for the vectors of Lyme and other tick-borne diseases.
- Open-data portal to accelerate research on the spread of invasive species and climate change-related impacts.
- Support for Integrated Vector Management practices through immediate reporting of mosquito and tick surveillance and pathogen test results.
- Improved local, state, and national interoperability.

**On top of the ongoing threat of West Nile virus, invasive *Aedes* mosquitoes, which can transmit Zika, dengue, chikungunya, and yellow fever, continue to spread throughout the state. CalSurv is an important part of controlling invasive mosquitoes as it helps identify pesticide resistance and visualize disease outbreak risks.**

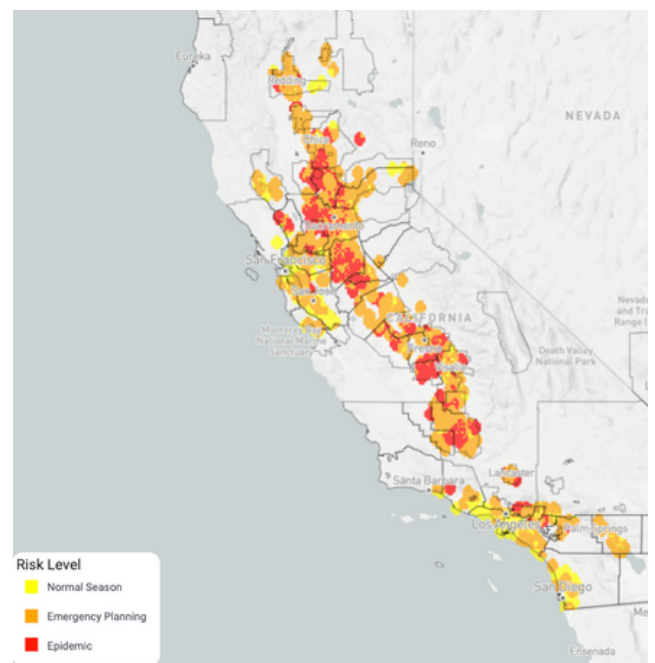
### Risk Components for Week Ending July 22, 2023



### Overall Risk Levels for 2023



### West Nile Virus Human Infection Risk Assessment for Week Ending July 22, 2023



# LEARN HOW CALSURV WORKS

## Turns data into evidence for public-health decision-makers.

- Tracks the spread of invasive mosquitoes.
- Enables real-time control decisions based on surveillance data to prevent the spread of vector-borne diseases.

## Supports cutting-edge research.

- Provides data that supports research to enhance surveillance and control strategies and predict new disease outbreaks.

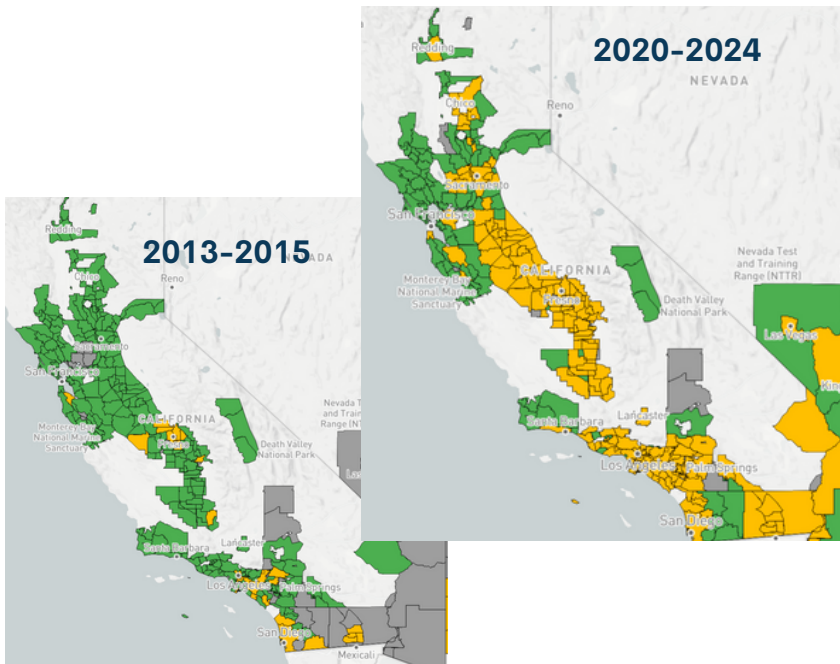
## Enables state and national reporting and risk assessment.

- CA Dept. of Public Health uses CalSurv data on mosquito abundance, mosquito infection rates, dead birds, sentinel chickens, and weather to provide statewide reports and assess transmission risk for vector-borne diseases.

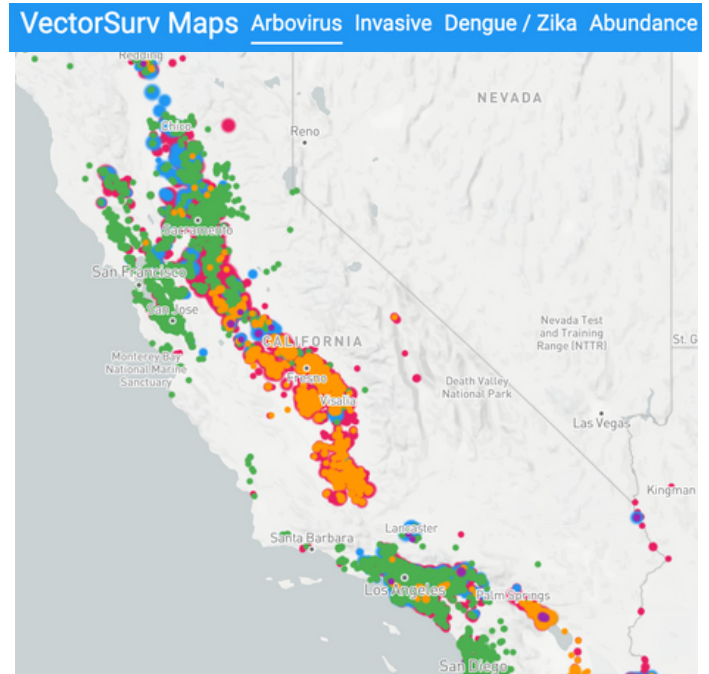
## Reduces health disparities.

- Local vector control programs vary greatly in funding and operational capacity.
- CalSurv provides a software solution for surveillance data in smaller rural communities that have a higher risk of arbovirus transmission but limited vector control resources.

## *Aedes aegypti* Detections Based on Surveillance



## Mosquito-Borne Virus Activity Detected by Surveillance January 2013 - January 2024



Surveillance *Aedes aegypti*

WNV Mosquitoes WNV Sentinels WNV Dead Birds SLEV Mosquitoes SLEV Sentinels

# CALIFORNIA UTILITY VAULTS ARE A MOSQUITO PRODUCTION SOURCE

## WATER RETENTION IN UTILITY VAULTS PROMOTES THE DEVELOPMENT OF MOSQUITOES THAT CAN SPREAD WEST NILE VIRUS

- Utility vaults have long been recognized as problematic sources for mosquito production, particularly in residential areas.
- In a majority of regions, landscape irrigation or rain may deposit directly into vaults or pool and flow into vaults.
- Often covered by partial or complete shade, the standing water in vaults is protected from evaporation, providing an ideal habitat for mosquitoes to develop and emerge.
- Utility vaults are known to produce the common house mosquito which transmits West Nile virus and St. Louis Encephalitis viruses each year in California.

## THE SPREAD OF INVASIVE AEDES MOSQUITOES THROUGHOUT THE STATE HAS EXACERBATED THE UTILITY VAULT PROBLEM

- With the emergence of invasive mosquitoes, vector control districts identified utility vaults as a major source for these mosquitoes.
- Invasive mosquitoes are a major concern to mosquito and vector control districts because they have the ability to transmit viruses such as yellow fever, dengue, chikungunya, and Zika.
- Even small amounts of water in utility vaults can produce large numbers of mosquitoes.

## UTILITY PROVIDERS AND MOSQUITO CONTROL DISTRICTS HAVE AN OBLIGATION TO PROTECT PUBLIC HEALTH

- Inconsistent access to utility vault information limits mosquito and vector control districts' ability to inspect and apply mosquito control products to the vaults.



# CALIFORNIA UTILITY VAULTS ARE A MOSQUITO PRODUCTION SOURCE

## STEPS TO PREVENT MOSQUITO PRODUCTION IN CALIFORNIA UTILITY VAULTS

1. Facilitate statewide collaboration between mosquito and vector control districts and utility providers to reduce the production of mosquitoes and the threat of mosquito-transmitted diseases.
2. Establish a standardized protocol for utility providers to enable mosquito and vector control districts to identify, access and treat problem sources.
3. Evaluate and incorporate design modifications to utility vaults to reduce water retention and prevent mosquito production.

## CALIFORNIA MOSQUITO AND VECTOR CONTROL DISTRICTS RESPONDED TO A SURVEY ABOUT MOSQUITO PRODUCTION IN UTILITY VAULTS



**75%** reported mosquito production issues in utility vaults



Electrical vaults are the **most** problematic source for mosquito production because of access issues



**31%** have sufficient access to utility vaults for their operational needs



**50%** have active relationships with utility vault providers to address issues



**44%** are able to obtain the locations of utility vaults within their district



**80%** of districts that treat utility vaults use expensive residual products to achieve adequate control

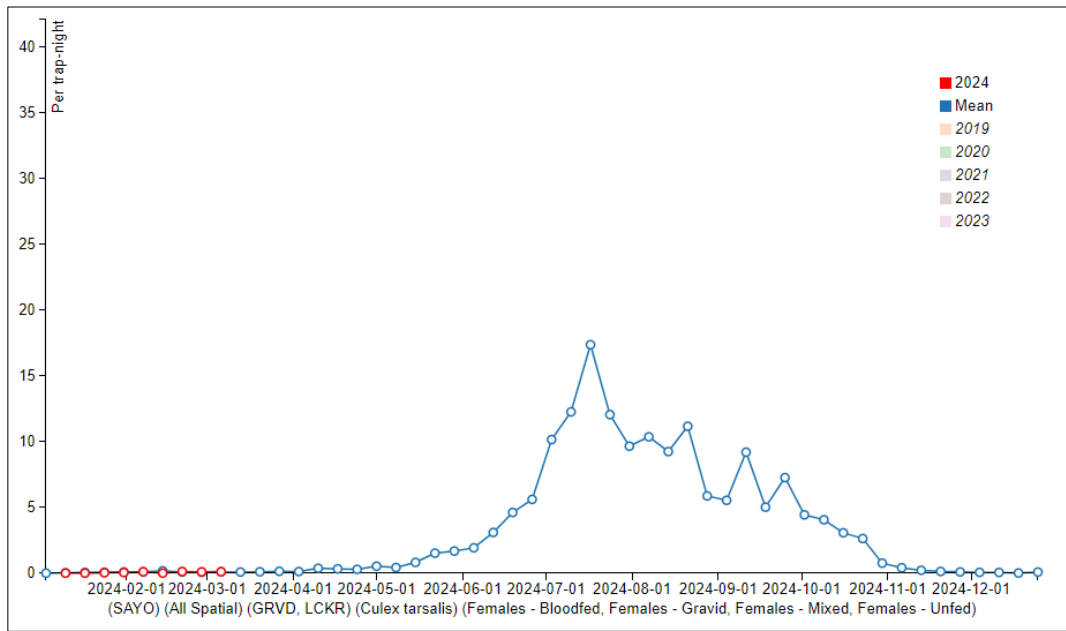
## LABORATORY Monthly Report, March 2024 Board Meeting

**Insectary:**

Species	Name	Origin	Resistance Status
<i>Culex tarsalis</i>	KNWR	Kern National Wildlife Refuge (2009)	susceptible
<i>Culex quinquefasciatus</i>	CQ1	Merced, CA (1950s)	susceptible
<i>Culex pipiens</i>	WCP	Woodland, CA (2017)	resistant: pyrethrins/pyrethroids, methoprene, and spinosad
<i>Culex tarsalis</i>	VFCT	Vic Fazio Yolo Wildlife Area (2020)	resistant: pyrethrins/pyrethroids
<i>Aedes sierrensis</i>		Sonoma County (2016)	susceptible

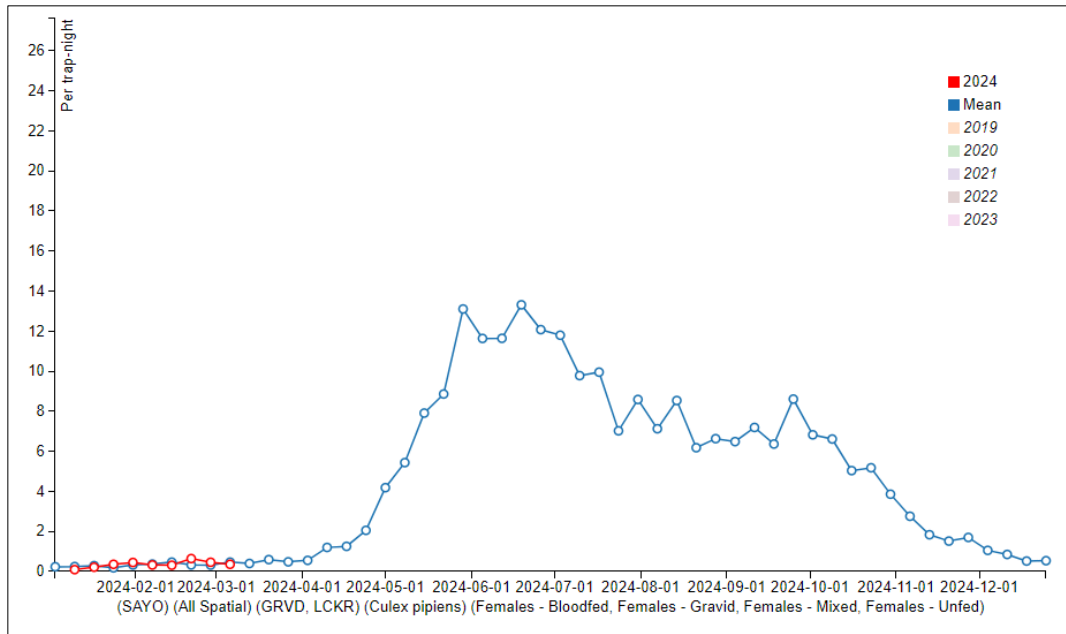
**2024 Surveillance update through 3/11/2024**

**Weekly mosquito collections** – The following graphs show overall *Culex tarsalis* and *Culex pipiens* abundance from gravid traps and locker traps placed in permanent locations throughout Sacramento and Yolo Counties.



Weekly *Culex tarsalis* abundance traps in locker and gravid traps.





Weekly *Culex pipiens* abundance traps in locker and gravid traps.

**Encephalitis Vector Surveillance (EVS)** – This program will resume in May, 2024.

**Dead bird surveillance** – The dead bird program will resume in April 2024

**Sentinel chickens** – The sentinel chicken program is completed for the year and will resume in April 2024.

**Rice surveillance** – Surveillance will resume in May 2024.

**Human disease response surveillance** – Since the last report no new human cases were reported to the District.

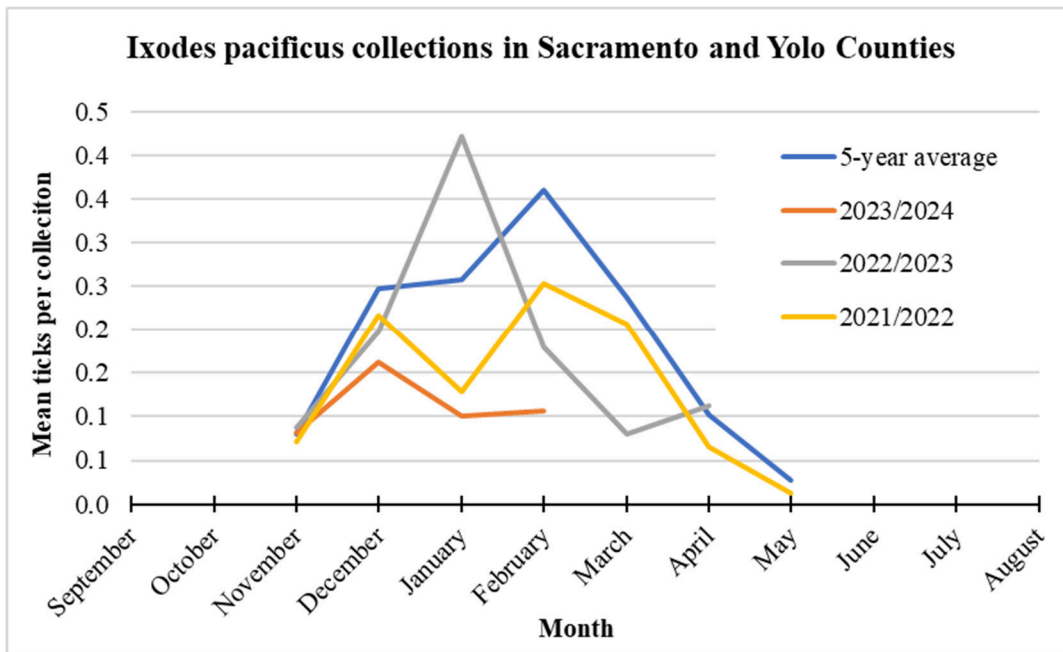
***Aedes aegypti* trapping effort in Sacramento and Yolo Counties** – Surveillance for *Aedes aegypti* and *Aedes albopictus* will resume in May, 2024.

**Tick surveillance** – Monthly tick flagging continues at established sites selected based on land use and habitat. *Ixodes pacificus* collections were separated by sex, collected in pools up to five ticks, and tested for *Borrelia burgdorferi*. The causative agent of Lyme disease. The following table shows the February 2024 collections of *Ixodes pacificus* and test results for *Borrelia burgdorferi*. The figure shows the overall monthly collection trends for *Ixodes pacificus* in Sacramento and Yolo Counties.

**February 2024**

*Ixodes pacificus* collection and testing for *Borrelia burgdorferi*

Location	Total collected	Total pools	Positive pools
Ancil Hoffman	0		
Black Minors Bar	30	7	
Cache Creek-Campground	2	1	
Cache Creek-Blue Ridge Trail	5	2	
Camp Haswell	4	2	
East Lake Natoma	59	14	
Folsom Zoo	2	1	
Gold Lake Drive	3	3	
Hinkle Creek	1	1	
Lower Sunrise	13	7	
Mississippi Bar	10	3	1
Nimbus Overlook	2	2	
Putah Creek-Fishing Access #1	0		
Putah Creek-Fishing Access #3	7	3	
Sailor Bar	7	3	
Sacramento Bar/ Bannister	21	6	
Snipes-Pershing Park	48	11	1
Upper Sunrise	19	6	
Willow Creek- Humbug	9	2	
Willow Creek	33	7	3



Total number of *Ixodes pacificus* collected across all sampling locations; flagging was not performed June – October.

**The California Arbovirus Surveillance Bulletin updates will resume in May**

# ECOLOGICAL MANAGEMENT DEPARTMENT

## March 2024 Board Update

### Ecological Management Projects

#### Delta Meadows (South Sacramento County)

Delta Meadows is a 127 ac. park that is adjacent to the towns of Locke and Walnut Grove and is managed by California State Parks and the United States Bureau of Reclamation. This property has numerous ditches and drains whose purpose is to drain winter effluent to an existing pump and be pumped through the levee into Snodgrass Slough. Due to the extreme weather conditions in the winter of 2023, the pump for the outlet is in need of repair and the surrounding levee has eroded, making the discharge system inoperable. The drains are inundated with emergent vegetation such as but not limited to: Himalayan blackberries (*Rubus armeniacus*), poison oak (*Toxicodendron diversilobum*) and wild rose (*Rosa woodsii*). Additionally, the drains have fallen trees that span the drains making access difficult for Control operations technicians to conduct mosquito control activities. Staff conducted a vegetation management project that will allow safe access to the drains and will increase the effectiveness of applied larvicide materials.



#### Teal Bend Golf Course (Natomas)

This project consists of a stormwater and irrigation holding ponds under the jurisdiction of the Natomas Mutual Water Company located just north of Teal Bend Golf Course. The periphery of these ponds are highly vegetated and restrict access for mosquito control treatments (*Image 1*). This site is not conducive for drone treatments due to the close proximity to Sacramento International Airport. This location routinely tests positive for West Nile Virus (*Image 2*) and is responsible for multiple service requests along the Garden Highway corridor and from patrons of Teal Bend Golf Course. Staff in coordination with Natomas Mutual Water cut slots in the

vegetation to the water's edge to allow Control Operations staff to treat with granular materials and plant mosquitofish (*Gambusia affinis*) in the spring.



Image 2



Image 1

## Stormwater

In preparation for the upcoming winter/spring storm flows, Ecological Management staff have been coordinating with representatives from the City of Folsom's Stormwater Management Department to address retention/retention basins that are historic mosquito breeding sites. These sites are overgrown with emergent vegetation and are often gated, providing access issues for Control Operations staff to conduct mosquito control activities. Staff and officials from the City of Folsom are addressing the basins that are the most significant breeding sites and are investigating solutions such as brushcutting, and/or utilizing goats for weed abatement. This will allow staff access to inspect and conduct treatments at lower application rates and increase the efficacy of the material being applied.



Images Provided By: G. Kachadorian

## Planning Program

### Twitchell Island Wetland Enhancement and Restoration Project MND

Ecological Management staff are reviewing the Twitchell island Wetland Enhancement and Restoration Project Mitigated Negative Declaration. The purpose of the Project is to provide high-quality and cost-effective habitat for the Delta Levees Special Flood Control Projects Program (Delta Levees Program or “DLP”) participants and restore wetlands to reduce and reverse land subsidence, sequester atmospheric carbon, and create wildlife habitat. The Ecological Management Department is reaching out to the project proponents in an effort to mitigate any potential mosquito breeding that is sure to be associated with the construction of new wetland habitat by implementing Mosquito Reducing Best Management Practices during the construction and maintenance phase of the project.



## BIOLOGICAL CONTROL

### Monthly Report for March 2023 Board Meeting

During February, the Fisheries Department focused on preparing for the upcoming mosquito season. Tasks included restocking supplies and maintaining equipment. Our department sewed and repaired seine nets, replaced leaky valves, and performed maintenance on solar aerators used to oxygenate our ponds. Additionally, our staff added a new man gate to our Eastern ponds for easier access. February's better weather brought an increase in the number of service requests. During this period, the Fisheries department supplied technicians with 11.76 pounds of mosquitofish. Field Technicians made 95 fish plants covering over 30 acres. With annual training and continuing education almost completed, the focus will shift to preparing to move fish from our predatory exclusion ponds to our open grow-out ponds. The grow-out pond stocking process will begin when pond temperatures stabilize near 55+ degrees Fahrenheit. Fisheries has about 85 lbs of fish on hand and is available for Field Tech use as Service Requests and Pool Program appointments continue to increase.

#### Log of Treatment Applied for February

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish ( <i>Gambusia affinis</i> )	11.76 lbs	30.17 Acres	95
Guppies ( <i>Poecilia reticulata</i> )	0 lbs	0 Acres	0

#### Log of Treatment Applied for the year 2024

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish	11.81 lbs	30.17 Acres	96
Guppies	0 lbs	0 Acres	0

#### Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
41,000.00	13,992.49	27,007.49	34%

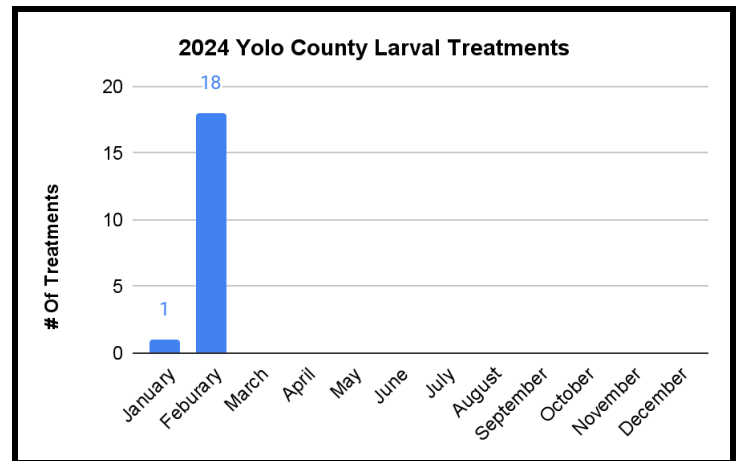
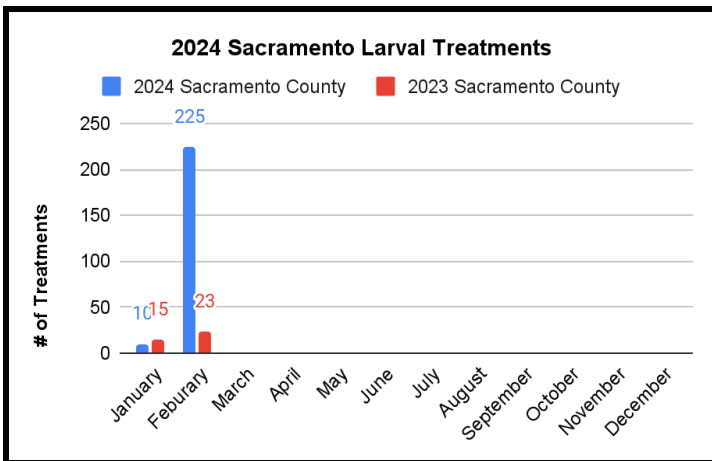
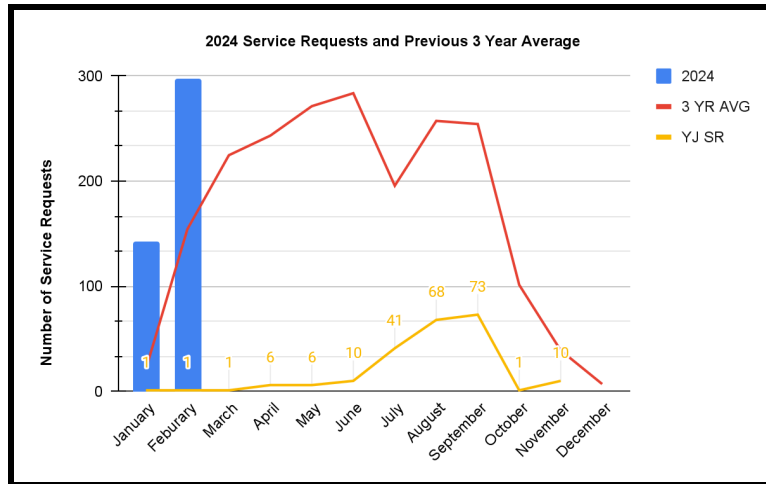
*Pictures from left to right: Aerator maintenance, Seine net repair, new Gate installation.*



## CONTROL OPERATIONS Monthly Report for the March 2024 Board Meeting

### Culex, West Nile Virus (WNV) and General Mosquito Control

No response was needed for WNV control in the month of February; however, due to warming temperatures and abundant winter rains staff began inspecting and treating service requests and spring sources towards the end of the month. Treatments have included residential barrier sprays, larvicide treatments and oak tree holes among other spring sources.



No aerial or larval applications have been performed in 2024.

No new Aedes detections or services have been performed in 2024.

### Trainings and Continued Education

Staff continue to complete annual education training and task refresher courses on as needed basis and will be participating in the all District Pesticide Training Day on March 12.

**PUBLIC INFORMATION AND EDUCATION  
Monthly Report for March Board Meeting**

**Advertising**

Planning for the 2024 advertising and media buy has begun. Upon approval of the advertising budget we have moved forward along with our media consultant Benjamin/Luken who is working on a media strategy and a draft advertising plan. Currently we are evaluating demographic information as well as reviewing ratings and pricing for the various radio and television stations so we can make informed decisions that will allow us to better reach our target audience. A plan that includes a wide mix of advertising outlets will be put together and implemented to kick off Mosquito Awareness Week in April!

**Media coverage:**

Since the weather is warm and mosquito activity continues to increase, Capital Public Radio and Telemundo reached out for interviews. Both media stories focused on the rise in service requests from the public, especially as compared to other years. These interviews allowed us to remind residents to drain sources of stagnant water around their home and to request mosquitofish if necessary.

**School Assemblies**

The “What Bugs You” assemblies coordinated by Red Shoe Productions continue at a variety of different schools. In February, a total of 4 assemblies took place reaching 855 students plus other teachers and staff. The following assemblies are currently scheduled:

**March**

3/11: Valley Elementary in North Highlands  
3/21: Caroline Wenzel Elementary in Sacramento  
3/6 Pony Express Elementary in Sacramento

**Events:**

The 2024 community outreach and event season is upon us! Over the past weeks we’ve received applications to return as sponsors for many community events. We’ve been gathering information and have put together the list of events where we will set up our informative and educational booth. The list of events was disseminated to staff to sign up and work each of the events. The first event of the season will be an Earth Day and spring celebration on March 30<sup>th</sup> in West Sacramento.

**New Hire Recruitment video:**

In preparation for the hiring of seasonal employees, we recently produced a video highlighting the various departments that require assistance in hopes that applicants will have a better idea of



tasks and day to day activities they will be performing. The video will be posted on social media and on the District website along with the employment application.

**Video and Photo Library:**

In partnership with staff from the Catch Basin crew, we are compiling District photos and videos from each department that have accumulated in over the years. All forms of media are being organized and labeled for ease of searchability and quick recall so they can be utilized as stock footage in future District projects.

**Social Media**

Our social media campaign continues and a lot of the content shared recently is about tick prevention. We are also promoting presentations and school assemblies. In addition, as part of our digital strategy we are working to include more video reels and illustrative content of day to day activities performed by staff the various departments.

**Repellent Distribution**

Due to the increase in mosquito activity, repellent wipes are in high demand. Boxes of wipes were recently shared with Park Winters and to Harm Reduction Services, a community organization that offers services and resources to homeless populations along the river.

# **Sacramento-Yolo Mosquito and Vector Control District**

## **March 19, 2024 Board Meeting**

### **4. Board Review and Consideration of Repellent Purchase not to exceed \$75,000**

#### **Staff Report:**

The Public Information and Education Department is seeking Board approval for the purchase of individual mosquito repellent wipes. One of the main Fight the Bite messages constantly being promoted by the District is the importance of personal protection against mosquito bites by always wearing a good mosquito repellent while spending time outdoors. Repellent wipes are distributed at all presentations and at the many outreach events we attend throughout the year. The repellent wipes are a great tool to draw people to our booth so we can further educate them on mosquito prevention and discuss our District services and current activities.

In addition, the repellent wipes are popular and very well received among residents and community groups. Our Public Information and Education Department will continue to aggressively distribute repellent at all upcoming events as well as make it available to agencies serving the homeless, senior centers, parks and recreation departments, community groups and neighborhood associations. Repellent will also be distributed widely during National Night Out, concerts in the park and other outdoor summer events sponsored by various cities and community organizations.

The District obtained 2 vendor quotes from both SC Johnson and Ben Deet's.

#### **SC Johnson Deep Woods:**

Cost for one box of 144 Deep Woods OFF wipes is \$71.64 or \$0.49 cents per wipe.

#### **Bens 30 Deet Wipes:**

Cost for one box of 1,000 Ben Deet wipes is \$270.00 or \$0.27 cents per wipe.

The cost per wipe from SC Johnson has gone up by \$.06 cents since our last repellent purchase in 2022 whereas the Bens Deet price per wipe has stayed the same. The Ben Deet wipes are individually packaged and will be a savings of ~ \$0.22 per wipe.

#### **Recommendation:**

Approve the purchase of Bens Deet repellent wipes not to exceed \$75,000.



March 5, 2024

Luz Maria Robles  
Public Information Officer  
Sacramento-Yolo Mosquito & Vector Control District  
8631 Bond Road  
Elk Grove, CA95624

Hello Luz,

Thank you for reaching out to inquire about our Bens 30 Deet Wipes.

Cost:

- One Box (1000 wipes) = \$270
  - Cost per wipe = \$0.27

Brand	Item Category	Item #	Item Description	Master Qty (each)	Master Price	WHSL Price	Order Qty (case)	1st Order Pricing
Ben's	Repellents > DEET	0005-6020-2	Ben's 30 Wipes	1000	\$270.00	\$0.270	240	\$64,800.00
							<b>Sales Tax (8.75%):</b>	<b>\$5,670.00</b>
							<b>Total with tax:</b>	<b>\$70,470.00</b>

To accommodate the price per wipe quoted above, we would send the units individually packaged in cases of 1000. The total amount of wipes sent would be 240,000 eaches (240 cases).

The total for 240 cases of wipes, before tax, would be \$64,800.00.

The total, including tax (8.75), would be \$70,470.00.

Additionally, Adventure Ready Brands will cover the cost of shipping.

Please reach out with any additional questions.

Best,



Sarah Borsi  
Sales Manager – Central  
Based in Virginia (EST)  
c. (540) 303-3502  
[SRisinger@adventurereadybrands.com](mailto:SRisinger@adventurereadybrands.com)

S.C. Johnson & Son, Inc.  
1525 Howe St.  
Racine, WI 53403

March 1, 2024

Luz Maria Robles  
Public Information Officer  
Sacramento-Yolo Mosquito & Vector Control District  
8631 Bond Road  
Elk Grove, CA 95624

Dear Luz,

Thank you for your inquiry regarding the OFF! Deep Woods Towelettes 12ct 46500-54996.

CASE GTIN	DESCRIPTION	COUNT	CASE \$	UNIT \$	CASE WEIGHT	CASE CUBE
100-4650054996-7	OFF!® DEEP WOODS® TOWELETTES 12 CT	12	71.64	5.970	2.422	0.279

Cost per case is \$71.64 or \$5.97 a unit. Cost per wipe would be \$0.497

The minimum order to purchase direct is 2,500# or 157 cube.

Minimum order for the OFF! Deep Woods Towelettes is 536 cases (157 cube) at \$71.64. Invoice for 536 cases would be \$38,399.04

Sincerely,

*Mary Lee Smith*

Mary Lee Smith  
Account Business Manager  
800-891-9140 ext 87590  
maryleesmith@insidesales.scj.com

# **Sacramento-Yolo Mosquito and Vector Control District**

## **March 19, 2024 Board Meeting**

### **5. Board Review and Consideration of Supporting the AMCA Research Foundation in the Amount of \$50,000**

#### **Staff Report:**

The District has a strong history of supporting the work done by the Mosquito Research Foundation to further the study of vectors and vector borne diseases. The District's annual budget has \$75,000 allocated for research. I have included a request by the AMCA president, Kristen Healy, requesting funds to support the program.

#### **Recommendation:**

**Authorize the Donation to the AMCA Research Foundation in the Amount of \$50,000**



One Capitol Mall, Suite 800  
Sacramento, CA 95814  
Phone: (888) 626-0630  
Fax: (916) 444-7462  
[www.mosquito.org](http://www.mosquito.org)

February 29, 2024

Gary Goodman  
District Manager  
Sacramento Yolo Mosquito & Vector Control District  
8631 Bond Road  
Elk Grove, CA 95624

Dear Mr. Goodman:

On behalf of the American Mosquito Control Association, we want to thank you for the support over the past years by the Sacramento Yolo Mosquito & Vector Control District of the AMCA Research Fund.

Thanks to donors like you, the AMCA Research Fund was able to support a research grant in the 2024 funding cycle that has direct benefits to mosquito and vector control:

- Bradley Willenberg, PhD, “New Attractive Toxic Sugar Baits with Propylene Glycol as a Sugar Substitute and Toxicant in Capillary Alginate Gel Biomaterials” College of Medicine, University of Central Florida Research Foundation

The AMCA Research Fund will be kicking off the 2025 grant cycle and will continue to support projects that have direct benefits to mosquito and vector control districts like Sacramento Yolo Mosquito and Vector Control District. We are excited to see the research opportunities that will come our way this year, and we will continue to share the news with your organization.

We do hope the Sacramento Yolo Mosquito & Vector Control District will continue its support of the Research Fund during the next year and request a contribution for the 2025 AMCA Research Fund cycle.

Your contribution will make a notable impact in our ability to continue funding research that will lead to new tools and strategies for mosquito surveillance and control and ultimately protecting the public from mosquito-borne disease and discomfort from mosquito bites.

Please don't hesitate to contact myself or AMCA's Executive Director, Megan MacNee at [mmacnee@mosquito.org](mailto:mmacnee@mosquito.org).

Thank you again for your continued support.

Best regards,

**Kristen Healy**  
President, 2023-2024  
American Mosquito Control Association