



DECEMBER 17, 2024

BOARD OF TRUSTEES

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  
December 17, 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 October 15, 2024 Board of Trustees Meeting**
  - b. **Expenditures for October 2024**
  - c. **Expenditures for November 2024**
  - d. **Board Consideration to Increase the Fixed Asset Inventory Reporting Limit to \$5,000.00**
  - e. **Board Consideration to Surplus District Property**
  - f. **Quarterly Investment Report for Period Ending September 30, 2024**
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**

- **Manager's Report**
- **Oral Reports from District Departments**
  - **Administration**
  - **Geographic Information Systems**
  - **Information Technology**
  - **Vector Ecologist**
  - **Research Biologist**
  - **Microbiologist**
  - **Shop Supervisor**
  - **Field Supervisor North Yolo**
  - **Field Supervisor South Yolo**
  - **Field Supervisor North Sacramento**
  - **Field Supervisor Catch Basin**
  - **Field Supervisor Urban Operations**
- **Written Reports from District Departments**
  - **Lab/Surveillance**
  - **Ecological Management**
  - **Biological Control**
  - **Larval and Adult Control**
  - **Public Outreach**

**4. Board/Staff Reports and Requests**

**5. Adjournment**

## MINUTES OF THE OCTOBER 15, 2024 MEETING OF THE BOARD OF TRUSTEES OF THE SACRAMENTO- YOLO MOSQUITO & VECTOR CONTROL DISTRICT

**Location:** Virtual Meeting via Zoom / 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 10:01 a.m.

**Trustees Present:**

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

\*Appeared Remotely

**Staff Present:**

Gary Goodman	Manager
Jennifer Buckman	Legal Counsel
Tony Hedley	Assistant Manager
Steve Ramos	Assistant Manager
Lisa Pelletier	Administrative Manager
Marty Scholl	Program Coordinator
Luz Robles	Public Information Officer
Kevin Combo	Ecological Management Supervisor
Ken Harris	Fisheries Supervisor

\*Appeared Remotely

**Others Present:**

N/A		
-----	--	--

## **Roll Call**

This meeting was both in person and by video teleconference. Attendance was taken by Roll Call.

## **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 Marcia Mooney and seconded by Trustee Craig Burnett, the Board voted to approve the General Consent Items. The vote was taken by roll call and the motion passed by the following vote: Ayes: 11, Noes: 0, Absent: 2

- a. Minutes of the September 17, 2024 Board of Trustees Meeting
- b. Expenditures for September 2024
- c. 2025 District Annual Operating Plan Pursuant to Section 8 of the MOU between the USFWS and SYMVCD
- d. Annual Cooperative Agreement Between the California Department of Public Health and the Sacramento-Yolo Mosquito and Vector Control District
- e. Board Consideration to Join Sourcewell Membership for Procurement 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. None*

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

#### **Manager's Report:**

The Manager briefly discussed the cooler weather, lower mosquito numbers and explained how the Aedes season will continue for a few more weeks. He also mentioned that the District would be investigating new methods for mosquito eradication during the winter with hopes to implement some new methods next season. The District also aims to increase its public outreach by releasing more information to the public over the winter months. Finally, the Manager discussed open enrollment and anticipated benefits rates for 2025.

**Reports from District Departments:** Written reports were provided in the Board packet from each department.

- Lab/Surveillance
- Ecological Management
- Biological Control
- Larval and Adult Control
- Public Outreach

*Oral reports were given by the following departments:*

**Ecological Management:** Ecological Management Department (ECO) supervisor Kevin Combo informed the Board on the progress of two Best Management Practices (BMP) projects located at Serra Wetlands (Elk Grove) and the Yolo Bypass Wildlife Area (Yolo County). Kevin explained that the Eco department, in cooperation with Serra Wetlands wildlife managers, removed emergent vegetation and debris and piled the spoils in areas where wetland managers have received a permit to burn the debris. This project will reduce overgrown areas that female mosquitoes find conducive for mosquito breeding and harborage. The YBWA project consisted of Ecological management staff collaborating with Department of Fish and Wildlife staff to install a new pump that will allow wetland cells to flood quicker, reducing the need for multiple treatments on wetlands that historically flooded slowly producing multiple broods of mosquitoes. Kevin advised the Board on the purchase of a new 100 hp Massey Ferguson tractor that will replace the two existing tractors that are currently utilized by the Fisheries and the Ecological Management Departments. The new equipment will allow the District to offer additional Best Management Practices (BMP) projects such as but not limited to: wetland mowing/disking, wetland setbacks, and potentially pasture ditching services. Lastly, Kevin apprised that the Ecological Management team continues to work jointly with Dairy Managers on BMP's such as vegetation control and removal of solid waste to reduce mosquito populations and make chemical control activities more efficient and effective.

**Biological Control:** Ken Harris provided an update on the Fisheries Department's activities through September. The department has begun stocking mosquitofish for its fall flood-up program. These efforts will last through the end of October into early November. With support from the Ecological Department, they have cleaned five ponds this season and are currently refilling and restocking them with fish to overwinter. Fisheries seasonal technicians also assisted Urban Operations with invasive Aedes trapping and inspections. They have said goodbye to one seasonal employee, while the other will likely stay through the end of October.

**Larval and Adult Control:** Program Coordinator Marty Scholl submitted a written report on Control Operations. Marty highlighted that the District is most likely finished with aerial ULV for the season, however some of the surrounding Districts are still going. The District's fall flooding is wrapping up for the season. North Sacramento control crews found and treated yellowjacket nests along the American River and around Discovery Park. South Sacramento Control crews surveyed traditional areas for yellowjackets but did not find very many nests. The urban Aedes crew is still very busy with new populations in Carmichael and Fair Oaks. Service requests are high in Land Park, South East Sacramento, and Fair Oaks due to a media story about invasives on Good Day Sacramento and reposts on social media.

**Public Outreach:** In her oral report to the board, Luz talked about the many events that take place in October with the largest ones being the Giant Pumpkin Festival in Elk Grove, the Folsom Family Expo and about our ongoing partnership with the Effie Yaw Nature Center on their annual event. Luz also discussed a recent media interview focusing on invasive mosquitoes that resulted in great coverage because the media crew followed our field techs into a backyard to look at the various sources where invasive mosquitoes can develop. Luz mentioned that she is busy with presentations to Rotary Clubs along with the District's program for school assemblies, and plans are moving forward for the media training at the upcoming MVCAC Conference.

**4. Board Authorization to Pay CalPERS Unfunded Liability in the Amount of \$2,250,000.**

General Manager Gary Goodman presented a proposal to make a second payment toward the District's CalPERS unfunded liability. The item was discussed. A motion was made by Trustee Marcia Mooney and seconded by Trustee Janell Darroch to approve the payment. Vote was taken by roll call and the motion passed by the following vote: Ayes: 11, Noes: 0, Absent: 2.

**5. Board Review and Consideration for Approval of Assistant Manager Employment Agreements.**

General Manager Gary Goodman presented two proposed Assistant Manager Employment Agreements (the "Agreements") for consideration by the Board, which, if approved, will take effect 01/01/2025. The Agreements were discussed. A motion was made by Trustee Craig Burnett and seconded by Trustee Janell Darroch to approve the Agreements. Vote was taken by roll call and the motion passed by the following vote: Ayes: 11, Noes: 0, Absent: 2.

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

General Discussion items included the annual MVCAC and AMCA Conferences, which Trustees are invited to attend. The District is monitoring the expiration of some Trustees terms and is contacting the respective clerks for reappointment. There was a request to cancel the November Board Meeting, which was confirmed. The District will have the annual holiday party after the Board meeting on December 17, 2024. Board President Sean Denny requested the ad hoc committee be renewed to discuss the District Manager's employment agreement. Board Secretary Janell Darroch requested that the District revisit the topic of security cameras.

## **6. ADJOURNMENT**

The meeting was adjourned at 10:55 a.m.

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the October 15, 2024, meeting.

---

Lisa Pelletier, Administrative Manager

Approved as written and/or corrected by the Board of Trustees at the December 17, 2024, meeting.

---

Janell Darroch, Board Secretary



**Sacramento-Yolo Mosquito and Vector Control District**  
**STATEMENT OF OPERATION**  
July through October 2024

	Jul - Oct 24	Budget	\$ Over Budget
Ordinary Income/Expense			
Income	245,822.86	20,718,525.00	-20,472,702.14
Gross Profit	245,822.86	20,718,525.00	-20,472,702.14
Expense			
5000 · SALARIES/BENEFITS/WC	6,393,736.12	12,519,219.00	-6,125,482.88
5200 · OPERATIONAL			
5210 · LIABILITY INSURANCE	304,953.18	304,493.00	460.18
5250 · AUDITING/FISCAL	0.00	25,000.00	-25,000.00
5270 · COMMUNICATIONS	31,923.21	100,000.00	-68,076.79
5310 · PUBLIC INFORMATION	186,491.50	700,000.00	-513,508.50
5340 · STRUCTURE & GROUNDS	22,367.88	150,000.00	-127,632.12
5370 · MEMBER/TRAINING	60,395.85	167,500.00	-107,104.15
5390 · DISTRICT OFFICE EXPENSES	6,340.12	25,000.00	-18,659.88
5430 · PROFESSIONAL SERVICES	115,275.99	341,000.00	-225,724.01
5440 · MATERIALS & SUPPLIES	5,025.65	16,000.00	-10,974.35
5450 · RENTS & LEASES	3,047.93	712,000.00	-708,952.07
5470 · SAFETY PROGRAM	895.78	5,000.00	-4,104.22
5480 · UTILITIES	40,266.06	125,000.00	-84,733.94
6120 · AIRCRAFT SERVICES	516,549.16	1,179,000.00	-662,450.84
6140 · ECOLOGICAL MANAGEMENT	2,204.65	23,000.00	-20,795.35
6160 · MICROBIAL	671,270.52	1,200,000.00	-528,729.48
6170 · BIORATIONALS	739,998.39	1,200,000.00	-460,001.61
6180 · INSECTICIDES	919,196.01	900,000.00	19,196.01
6220 · FISHERIES	25,472.64	35,000.00	-9,527.36
6280 · GEOGRAPHIC INFO SYSTEMS	2,910.00	9,000.00	-6,090.00
6320 · INFORMATION TECHNOLOGY	134,452.45	130,000.00	4,452.45
6350 · CONTROL OPERATIONS	13,654.30	55,000.00	-41,345.70
6370 · SHOP DEPT	58,279.19	159,500.00	-101,220.81
6420 · LAB SERVICES	86,259.80	204,000.00	-117,740.20
6450 · GAS & PETROLEUM	98,635.05	210,000.00	-111,364.95
Total 5200 · OPERATIONAL	4,045,865.31	7,975,493.00	-3,929,627.69
66000 · Payroll Expenses	-6,052.76		
Total Expense	10,433,548.67	20,494,712.00	-10,061,163.33
Net Ordinary Income	-10,187,725.81	223,813.00	-10,411,538.81
Other Income/Expense			
Other Income			
GASB 31 Fair Market Value	-5,204.00		
Total Other Income	-5,204.00		
Other Expense			
Sales Tax	0.00		
Shipping	0.00		

---

	Jul - Oct 24	Budget	\$ Over Budget
7000 · CAPITAL ACCOUNTS			
70010 · CAPITAL OUTLAY	154,735.18	330,000.00	-175,264.82
70070 · RESEARCH FUND	0.00	75,000.00	-75,000.00
70080 · BUILDING IMPROVEMENT	0.00	350,000.00	-350,000.00
Total 7000 · CAPITAL ACCOUNTS	154,735.18	755,000.00	-600,264.82
90999 · Suspense Expense	7,219.48		
Total Other Expense	161,954.66	755,000.00	-593,045.34
Net Other Income	-167,158.66	-755,000.00	587,841.34
Net Income	-10,354,884.47	-531,187.00	-9,823,697.47

## Sacramento-Yolo Mosquito and Vector Control District

12/04/24

## Check Register

Accrual Basis

October 2024

Num	Date	Name	Credit	Type
<b>Oct 24</b>				
58938	10/01/2024	Cleanit Maintenance Systems LLC	2,995.00	Bill Pmt -Check
58939	10/01/2024	Elk Grove Water District	564.39	Bill Pmt -Check
58940	10/01/2024	Hunt & Sons Inc	2,191.49	Bill Pmt -Check
58941	10/01/2024	O'Reilly Automotive, Inc.	581.91	Bill Pmt -Check
58942	10/01/2024	PG & E	313.44	Bill Pmt -Check
58943	10/01/2024	Safe Side Security	414.00	Bill Pmt -Check
58944	10/01/2024	SMUD	5,572.25	Bill Pmt -Check
58945	10/01/2024	T-Mobile	1,951.86	Bill Pmt -Check
58946	10/08/2024	US Bank	34,159.33	Bill Pmt -Check
58950	10/08/2024	PRISM-	370.11	Bill Pmt -Check
58955	10/09/2024	Airgas USA, LLC	96.22	Bill Pmt -Check
58956	10/09/2024	Buckmaster Office Solutions	201.86	Bill Pmt -Check
58957	10/09/2024	City of Woodland	526.37	Bill Pmt -Check
58958	10/09/2024	Consolidated Communications	2,458.27	Bill Pmt -Check
58959	10/09/2024	Farm Air Flying Service	11,431.92	Bill Pmt -Check
58960	10/09/2024	GreatAmerica Financial Services	376.28	Bill Pmt -Check
58961	10/09/2024	Hippensteel Group	3,206.25	Bill Pmt -Check
58962	10/09/2024	Hunt & Sons Inc	7,464.58	Bill Pmt -Check
58963	10/09/2024	iHeart Media	13,479.99	Bill Pmt -Check
58964	10/09/2024	Mann Urrutia Nelson CPAs & Asso...	21,000.00	Bill Pmt -Check
58965	10/09/2024	Sac Co Dept. of Finance Secured ...	100.00	Bill Pmt -Check
58966	10/09/2024	Sacramento Control Systems, Inc.	501.00	Bill Pmt -Check
58967	10/09/2024	Sanders, Bridget A.	712.50	Bill Pmt -Check
58968	10/09/2024	Stericycle, Inc.	93.44	Bill Pmt -Check
58969	10/09/2024	Utonomy, Inc.	3,126.25	Bill Pmt -Check
58970	10/09/2024	Vector Disease Control International	54,191.66	Bill Pmt -Check
58971	10/15/2024	Advance Auto Parts	58.20	Bill Pmt -Check
58972	10/15/2024	AutoZone, Inc.	1,303.96	Bill Pmt -Check
58973	10/15/2024	Cintas Corporation	4,448.85	Bill Pmt -Check
58974	10/15/2024	Clarke Mosquito Control Products Inc	30,506.98	Bill Pmt -Check
58975	10/15/2024	Factory Motor Parts Co	446.88	Bill Pmt -Check
58976	10/15/2024	Maita Chevrolet	402.25	Bill Pmt -Check
58977	10/15/2024	Valley Fire & Security	388.25	Bill Pmt -Check
58978	10/15/2024	Azelis - Adapco Inc	2,784.00	Bill Pmt -Check
58979	10/15/2024	Buckmaster Office Solutions	20.00	Bill Pmt -Check
58980	10/15/2024	Hunt & Sons Inc	1,137.68	Bill Pmt -Check
58981	10/15/2024	Vector Disease Control International	25,972.33	Bill Pmt -Check
58982	10/15/2024	Veseris - ES Opco USA LLC	27,948.75	Bill Pmt -Check
58983	10/15/2024	Waste Management C & R, Inc.	256.35	Bill Pmt -Check
58984	10/16/2024	Airgas USA, LLC	91.22	Bill Pmt -Check
58985	10/16/2024	Clarke Mosquito Control Products Inc	43,717.50	Bill Pmt -Check
58986	10/16/2024	Factory Motor Parts Co	206.62	Bill Pmt -Check
58987	10/16/2024	Hunt & Sons Inc	4,630.52	Bill Pmt -Check
58988	10/16/2024	Lazer Broadcasting Corporation	5,250.00	Bill Pmt -Check
58989	10/16/2024	PG & E	14.78	Bill Pmt -Check
58990	10/16/2024	Red Shoe Productions	5,400.00	Bill Pmt -Check
58991	10/16/2024	Sacramento County Utilities	1,070.37	Bill Pmt -Check
58992	10/16/2024	Target Specialty Products	503.54	Bill Pmt -Check
58993	10/16/2024	The Davis Enterprise	200.00	Bill Pmt -Check
58994	10/16/2024	Valley Tire Center	28.00	Bill Pmt -Check
58997	10/17/2024	Western Health Advantage	1,222.42	Bill Pmt -Check
58998	10/23/2024	Alhambra & Sierra Springs	138.31	Bill Pmt -Check
59000	10/28/2024	Barnes Welding	3,627.28	Bill Pmt -Check
59001	10/28/2024	Factory Motor Parts Co	193.57	Bill Pmt -Check
59002	10/28/2024	Farm Air Flying Service	14,579.84	Bill Pmt -Check
59003	10/28/2024	Hunt & Sons Inc	3,303.58	Bill Pmt -Check
59004	10/28/2024	Maita Chevrolet	164.95	Bill Pmt -Check
59005	10/28/2024	PG & E	1,474.81	Bill Pmt -Check
59006	10/28/2024	Safety Kleen Systems, Inc.	454.69	Bill Pmt -Check
59007	10/28/2024	Spark Creative Design	53.50	Bill Pmt -Check
59008	10/28/2024	The Grid Agency	11,050.00	Bill Pmt -Check
59009	10/28/2024	United Textile Inc	287.66	Bill Pmt -Check
59012	10/29/2024	ArcSource	1,364.10	Bill Pmt -Check
59013	10/29/2024	Barnes Welding	1,084.42	Bill Pmt -Check
59014	10/29/2024	BKS Law Firm, PC	5,391.57	Bill Pmt -Check
59015	10/29/2024	Buckmaster Office Solutions	78.26	Bill Pmt -Check
59016	10/29/2024	CSDA	9,752.00	Bill Pmt -Check

3:43 PM

## Sacramento-Yolo Mosquito and Vector Control District

12/04/24

## Check Register

Accrual Basis

October 2024

Num	Date	Name	Credit	Type
59017	10/29/2024	Entravision Communications Corpo...	13,075.00	Bill Pmt -Check
59018	10/29/2024	Hunt & Sons Inc	2,766.15	Bill Pmt -Check
59019	10/29/2024	KXTV News 10	14,500.00	Bill Pmt -Check
59020	10/29/2024	SMUD	4,236.02	Bill Pmt -Check
59021	10/29/2024	The Davis Enterprise	400.00	Bill Pmt -Check
59022	10/29/2024	TopIMR, LLC	3,500.00	Bill Pmt -Check
59023	10/29/2024	Umbrella Digital Marketing	4,250.00	Bill Pmt -Check
59024	10/29/2024	Verizon Wireless	2,981.25	Bill Pmt -Check
59025	10/29/2024	Viamedia, Inc.	2,475.00	Bill Pmt -Check
59026	10/29/2024	Azelis - Adapco Inc	42,902.14	Bill Pmt -Check
59027	10/29/2024	Kingsley Bogard, LLP	2,303.26	Bill Pmt -Check
59028	10/29/2024	PG & E	272.53	Bill Pmt -Check
59030	10/30/2024	Bonneville International	13,140.00	Bill Pmt -Check
59031	10/30/2024	Buckmaster Office Solutions	20.00	Bill Pmt -Check
59032	10/30/2024	Cleanit Maintenance Systems LLC	2,995.00	Bill Pmt -Check
59033	10/30/2024	KMAX-TV	8,500.00	Bill Pmt -Check
59034	10/30/2024	Lazer Broadcasting Corporation	500.00	Bill Pmt -Check
59035	10/30/2024	Lotus Sacramento Corp.	2,480.00	Bill Pmt -Check
59036	10/30/2024	NBCUniversal Owned TV Stations	8,650.00	Bill Pmt -Check
59037	10/30/2024	Russian American Media Inc	2,498.00	Bill Pmt -Check
59038	10/30/2024	Spark Creative Design	825.13	Bill Pmt -Check
59039	10/30/2024	Univision Communications Inc	4,000.00	Bill Pmt -Check
58937	10/01/2024	CDPH Vector-Borne Disease Acco...	205.00	Check
58951	10/08/2024	S&R Egg Ranch	600.00	Check
58952	10/08/2024	Gary Forrester		Check
58953	10/08/2024	Cornelius & Davini, LLP		Check
58954	10/08/2024	Gary Forrester	14,970.00	Check
59029	10/30/2024	Goodman, Gary W	1,389.15	Check
	10/01/2024		1,741.08	Check
Oct 24			<b>535,263.07</b>	

**Sacramento-Yolo Mosquito and Vector Control District**  
**STATEMENT OF OPERATION**  
July through November 2024

	Jul - Nov 24	Budget	\$ Over Budget
Ordinary Income/Expense			
Income	250,080.86	20,718,525.00	-20,468,444.14
Gross Profit	250,080.86	20,718,525.00	-20,468,444.14
Expense			
5000 · SALARIES/BENEFITS/WC	9,347,284.12	12,519,219.00	-3,171,934.88
5200 · OPERATIONAL			
5210 · LIABILITY INSURANCE	304,953.18	304,493.00	460.18
5250 · AUDITING/FISCAL	0.00	25,000.00	-25,000.00
5270 · COMMUNICATIONS	39,524.05	100,000.00	-60,475.95
5310 · PUBLIC INFORMATION	241,124.50	700,000.00	-458,875.50
5340 · STRUCTURE & GROUNDS	25,712.88	150,000.00	-124,287.12
5370 · MEMBER/TRAINING	63,062.78	167,500.00	-104,437.22
5390 · DISTRICT OFFICE EXPENSES	6,340.12	25,000.00	-18,659.88
5430 · PROFESSIONAL SERVICES	129,874.32	341,000.00	-211,125.68
5440 · MATERIALS & SUPPLIES	6,567.90	16,000.00	-9,432.10
5450 · RENTS & LEASES	4,044.84	712,000.00	-707,955.16
5470 · SAFETY PROGRAM	1,105.78	5,000.00	-3,894.22
5480 · UTILITIES	48,470.43	125,000.00	-76,529.57
6120 · AIRCRAFT SERVICES	589,133.42	1,179,000.00	-589,866.58
6140 · ECOLOGICAL MANAGEMENT	2,204.65	23,000.00	-20,795.35
6160 · MICROBIAL	671,270.52	1,200,000.00	-528,729.48
6170 · BIORATIONALS	876,015.83	1,200,000.00	-323,984.17
6180 · INSECTICIDES	795,432.10	900,000.00	-104,567.90
6220 · FISHERIES	25,472.64	35,000.00	-9,527.36
6280 · GEOGRAPHIC INFO SYSTEMS	2,910.00	9,000.00	-6,090.00
6320 · INFORMATION TECHNOLOGY	135,805.85	130,000.00	5,805.85
6350 · CONTROL OPERATIONS	13,654.30	55,000.00	-41,345.70
6370 · SHOP DEPT	48,728.70	159,500.00	-110,771.30
6420 · LAB SERVICES	88,149.20	204,000.00	-115,850.80
6450 · GAS & PETROLEUM	101,556.11	210,000.00	-108,443.89
Total 5200 · OPERATIONAL	4,221,114.10	7,975,493.00	-3,754,378.90
62600 · Ask Accountant	83.14		
66000 · Payroll Expenses	1,849.48		
Total Expense	13,570,330.84	20,494,712.00	-6,924,381.16
Net Ordinary Income	-13,320,249.98	223,813.00	-13,544,062.98
Other Income/Expense			
Other Income			
GASB 31 Fair Market Value	-5,204.00		
Total Other Income	-5,204.00		
Other Expense			
Sales Tax	-12.08		
Shipping	0.00		

---

	Jul - Nov 24	Budget	\$ Over Budget
7000 · CAPITAL ACCOUNTS			
70010 · CAPITAL OUTLAY	164,735.18	330,000.00	-165,264.82
70070 · RESEARCH FUND	0.00	75,000.00	-75,000.00
70080 · BUILDING IMPROVEMENT	0.00	350,000.00	-350,000.00
Total 7000 · CAPITAL ACCOUNTS	164,735.18	755,000.00	-590,264.82
90999 · Suspense Expense	7,219.48		
Total Other Expense	171,942.58	755,000.00	-583,057.42
Net Other Income	-177,146.58	-755,000.00	577,853.42
Net Income	<b>-13,497,396.56</b>	<b>-531,187.00</b>	<b>-12,966,209.56</b>

## Sacramento-Yolo Mosquito and Vector Control District

12/04/24

## Check Register

Accrual Basis

November 2024

Num	Date	Name	Credit	Type
<b>Nov 24</b>				
59042	11/05/2024	EDD	2,107.00	Bill Pmt -Check
59043	11/06/2024	Advance Auto Parts	470.72	Bill Pmt -Check
59044	11/06/2024	All Star Rents	244.71	Bill Pmt -Check
59045	11/06/2024	AutoZone, Inc.		Bill Pmt -Check
59046	11/06/2024	Barnes Welding	694.77	Bill Pmt -Check
59047	11/06/2024	Cintas Corporation	8,083.03	Bill Pmt -Check
59048	11/06/2024	City of Woodland	445.44	Bill Pmt -Check
59049	11/06/2024	Elk Grove Water District	564.39	Bill Pmt -Check
59050	11/06/2024	Factory Motor Parts Co	329.24	Bill Pmt -Check
59051	11/06/2024	Hippensteel Group	2,493.75	Bill Pmt -Check
59052	11/06/2024	Hunt & Sons Inc	2,060.79	Bill Pmt -Check
59053	11/06/2024	O'Reilly Automotive, Inc.	573.36	Bill Pmt -Check
59054	11/06/2024	Stericycle, Inc.	93.44	Bill Pmt -Check
59055	11/06/2024	Utonomy, Inc.	2,870.00	Bill Pmt -Check
59056	11/06/2024	Vector Disease Control International	107,780.94	Bill Pmt -Check
59057	11/06/2024	AutoZone, Inc.	193.36	Bill Pmt -Check
59058	11/06/2024	US Bank	72,987.61	Bill Pmt -Check
59060	11/07/2024	Airgas USA, LLC	99.39	Bill Pmt -Check
59061	11/07/2024	Audacy, Inc.	23,658.00	Bill Pmt -Check
59062	11/07/2024	Clarke Mosquito Control Products Inc	70,913.70	Bill Pmt -Check
59063	11/07/2024	Consolidated Communications	2,458.27	Bill Pmt -Check
59064	11/07/2024	Effectv - Vendor	12,144.24	Bill Pmt -Check
59065	11/07/2024	Farm Air Flying Service	4,970.40	Bill Pmt -Check
59066	11/07/2024	GreatAmerica Financial Services	376.28	Bill Pmt -Check
59067	11/07/2024	Grow West	1.18	Bill Pmt -Check
59068	11/07/2024	Quench USA, Inc.	1,451.82	Bill Pmt -Check
59069	11/07/2024	Sacramento LaFCo	2,018.00	Bill Pmt -Check
59070	11/07/2024	Salem Media Group Inc	3,885.00	Bill Pmt -Check
59071	11/07/2024	Spark Creative Design	395.63	Bill Pmt -Check
59072	11/07/2024	Stericycle, Inc.	125.78	Bill Pmt -Check
59073	11/07/2024	Valley Fire & Security	69.50	Bill Pmt -Check
59074	11/07/2024	Capital Public Radio Inc	1,500.00	Bill Pmt -Check
59075	11/07/2024	KTXL-TV Fox 40	3,600.00	Bill Pmt -Check
59076	11/07/2024	Luken Benjamin & Associates, LLC	1,875.00	Bill Pmt -Check
59078	11/19/2024	Airgas USA, LLC	93.57	Bill Pmt -Check
59079	11/19/2024	Alhambra & Sierra Springs	90.43	Bill Pmt -Check
59080	11/19/2024	ArcSource	1,353.40	Bill Pmt -Check
59081	11/19/2024	Barnes Welding	1,122.38	Bill Pmt -Check
59082	11/19/2024	Buckmaster Office Solutions	280.34	Bill Pmt -Check
59083	11/19/2024	Cleanit Maintenance Systems LLC	350.00	Bill Pmt -Check
59084	11/19/2024	Heluna Health - Vendor	2,500.00	Bill Pmt -Check
59085	11/19/2024	Hunt & Sons Inc	141.60	Bill Pmt -Check
59086	11/19/2024	PG & E	69.46	Bill Pmt -Check
59087	11/19/2024	Veseris - ES Opco USA LLC	23,824.53	Bill Pmt -Check
59088	11/19/2024	Waste Management C & R, Inc.	256.35	Bill Pmt -Check
59090	11/19/2024	Western Health Advantage	1,222.42	Bill Pmt -Check
59094	11/21/2024	Bay Area Digital Solutions	9,000.00	Bill Pmt -Check
59095	11/21/2024	BKS Law Firm, PC	3,697.50	Bill Pmt -Check
59096	11/21/2024	Clarke Mosquito Control Products Inc	470.35	Bill Pmt -Check
59097	11/21/2024	Elk Grove Lock and Safe Company	108.93	Bill Pmt -Check
59098	11/21/2024	Maita Chevrolet	893.05	Bill Pmt -Check
59099	11/21/2024	PG & E	1,382.46	Bill Pmt -Check
59100	11/21/2024	Red Shoe Productions	2,700.00	Bill Pmt -Check
W00450	11/04/2024	CalPERS Financial Reporting & Ac...	2,250,000.00	Check
W00451	11/21/2024	US Treasury Internal Revenue Ser...	83.14	Check
59092	11/19/2024	Placer MVCD - Vendor	3,417.98	Check
59091	11/19/2024	San Joaquin County MVCD - Vendor	22,068.58	Check
59093	11/21/2024	Goodman, Gary W.	166.93	Check
<b>Nov 24</b>			<b>2,656,828.14</b>	

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

## **December 17, 2024 Board Meeting**

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

d. Board Consideration to Increase the Fixed Asset Inventory Reporting Limit to \$5,000

#### **Staff Report:**

The current fixed asset threshold for inventory purposes at the Sacramento-Yolo Mosquito and Vector Control District has been set at \$1,000 since 2004. Considering recommendations from the District's auditors and accountants, it is proposed to increase the threshold to \$5,000 to better align with current economic conditions and Generally Accepted Accounting Principles (GAAP). This increase will ensure more efficient financial management and reporting in the future.

Additionally, adopting common best practices for asset management and surplus handling will help streamline the District's processes. Specifically, future purchases that are valued below \$5,000 will be expensed immediately. Items that are currently listed as under \$5,000 will be promptly removed from both the asset schedule and the General Ledger.

<b>Aspect</b>	<b>Current Process</b>	<b>Proposed Changes</b>
<b>Fixed Asset Threshold</b>	\$1,000 threshold for capitalizing assets	\$5,000 threshold for capitalizing assets, with items under \$5,000 expensed immediately
<b>Asset Useful Life Estimates</b>	Standardized 7-year life for all equipment	Tailored useful life estimates (e.g., 3-5 years for computers) to reflect asset-specific conditions and GAAP best practices

#### **Recommendation:**

**Adopt the attached resolution to increase the fixed asset threshold reporting limit to \$5,000 and authorize the removal of items on the asset schedule that are valued under \$5,000.**



## **RESOLUTION NO. 241217**

### **A RESOLUTION OF THE BOARD OF TRUSTEES OF THE SACRAMENTO-YOLO MOSQUITO AND VECTOR CONTROL DISTRICT AUTHORIZING THE DISTRICT TO INCREASE THE FIXED ASSET THRESHOLD FROM \$1000.00 TO \$5000.00**

WHEREAS, the District's current fixed asset program sets the threshold for inventory purposes at \$1,000, a limit that has remained unchanged since its implementation in 2004; and

WHEREAS, following recommendations from the District's auditors and accountants, increasing the threshold to \$5,000 will align with current economic conditions and ensure better adherence to Generally Accepted Accounting Principles (GAAP); and

WHEREAS, items valued below the \$5,000 threshold should be expensed immediately, while expenditures related to repairs, maintenance, or replacement of components that do not extend the asset's original estimated useful life or significantly enhance its value should also be expensed as incurred, as they are considered non-capitalizable expenses; and

WHEREAS, while the current policy includes proposed useful life estimates for each asset category, it is recommended to apply a different useful life for specific assets when appropriate, such as a computer, whose useful life typically ranges from 3 to 5 years, as opposed to the 7-year life currently listed for equipment; and

WHEREAS, the current policy requires Board approval for the disposal of all assets. However, GAAP mandates that disposed assets be promptly removed from the General Ledger to ensure the accuracy of the District's financial statements. In accordance with advice from the District's accountants, it is recommended that physically disposed assets be removed from both the asset schedule and General Ledger before the upcoming audit; and

WHEREAS, assets currently under \$5,000 including those no longer meeting the District's operational needs or those deemed obsolete, may be sold, donated, or otherwise disposed of in accordance with District policy, while ensuring that such actions are properly documented and reported to the Board; and

WHEREAS, assets shall be disposed of in a manner that maximizes value to the District, consistent with applicable laws and regulations, and in a manner that reflects the District's commitment to transparency and fiscal responsibility; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Sacramento-Yolo Mosquito and Vector Control District as follows:

1. The Board authorizes an increase in the fixed asset threshold from \$1,000 to \$5,000, whereby any item valued under \$5,000 will be expensed immediately.
2. Surplus and those currently under \$5,000 assets shall be promptly removed from the asset schedule and General Ledger to ensure an accurate financial representation of the District's current position.
3. Assets shall be disposed of, sold, or donated in accordance with applicable laws, District best practices, with proper documentation maintained and reported to the Board as appropriate.

**RECOMMENDATION:**

Increase the fixed asset threshold to \$5,000 for inventory control purposes, ensure the timely removal of disposed items from both the asset schedule and General Ledger prior to the upcoming audit.

PASSED AND ADOPTED by the Board of Trustees of the Sacramento-Yolo Mosquito and Vector Control District on the \_\_\_\_ day of December 2024 by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

\_\_\_\_\_  
President

As Secretary of the Board of Directors of the Sacramento-Yolo Mosquito and Vector Control District, I certify that this is a true copy of the resolution adopted by the Board of Trustees of the District, at a meeting held on the \_\_th day of December 2024, entered in the regular minute book of the District and is now in full force and effect. I also certify that the Board of Trustees of the District had full powers and legal authority to adopt this Resolution.

**ATTEST:**

\_\_\_\_\_

By: \_\_\_\_\_  
Secretary, Board of Trustees

# Sacramento-Yolo Mosquito and Vector Control District

## December 17, 2024 Board Meeting

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

e. Board Consideration to Surplus District Property

#### Staff Report:

The District approved a lease agreement with Enterprise at the August meeting to update the fleet. Staff have identified the 60 vehicles that will be replaced and are asking the Board to authorize the surplus and sale of those vehicles as identified in the attached list. These vehicles will then be prepped for sale through Enterprise Fleet Management and will be considered to be surplus upon the sale of the item.

Vehicle #	Description	Vehicle #	Description	Vehicle #	Description
6	1997 Ford Ranger 4WD	33	2002 Dodge Dakota 4WD	76	2002 Dodge Dakota 4WD
7	2017 Chevrolet 1500 4WD	36	2017 Chevrolet 1500 4WD	77	2004 Chevrolet 1500 2WD
8	1997 Ford Ranger 4WD	39	1997 Ford Ranger 4WD	78	2004 Chevrolet 1500 2WD
9	2002 Chevrolet 1500 4WD	41	2005 Jeep Wrangler RHD	79	2004 Chevrolet 1500 2WD
11	1997 Ford Ranger 4WD	42	2002 Dodge Dakota 4WD	81	2004 Chevrolet 1500 2WD
12	2002 Chevrolet 1500 4WD	46	2016 Chevrolet 1500 4WD	85	2017 Chevrolet 1500 4WD
13	2002 Chevrolet 1500 4WD	47	2002 Dodge Dakota 4WD	87	1997 Ford Crown Victoria
14	2002 Chevrolet 1500 4WD	50	1997 Ford Ranger 4WD	90	2008 Chevrolet 1500 4WD
15	2017 Chevrolet 1500 4WD	51	2000 Dodge Dakota 4WD	91	2008 Chevrolet 1500 4WD
16	2001 Dodge Ram 4WD	52	2001 Dodge Dakota 4WD	93	2008 Chevrolet 1500 4WD
17	1999 GMC Safari Van	54	2002 Dodge Dakota 4WD	94	2008 Chevrolet 1500 4WD
18	2005 Jeep Wrangler RHD	56	2005 Jeep Wrangler RHD	96	2010 Ford F150 4WD
20	1997 Ford Ranger 4WD	57	2002 Dodge Dakota 4WD	97	2010 Ford F150 4WD
21	2001 Dodge Ram 4WD	58	1997 Ford Ranger 4WD	98	2010 Ford F150 4WD
22	1997 Ford Ranger 4WD	60	2002 Dodge Dakota 4WD	99	2010 Ford F150 4WD
23	2002 Chevrolet 1500 4WD	64	2001 Dodge Dakota 4WD	100	2017 Chevrolet 1500 4WD
25	1997 Ford Ranger 4WD	68	2001 Dodge Dakota 2WD	102	2005 Jeep Wrangler RHD
26	2002 Dodge Dakota 4WD	69	2017 Chevrolet 1500 4WD	103	2005 Jeep Wrangler RHD
30	2002 Dodge Dakota 4WD	70	2001 Dodge Ram 4WD	104	2005 Jeep Wrangler RHD
31	2017 Chevrolet 1500 2WD	73	2002 Dodge Dakota 4WD	105	2005 Jeep Wrangler RHD

#### Recommendation:

Surplus the listed items.



## SACRAMENTO COUNTY

8631 Bond Road  
Elk Grove, CA 95624

(800) 429-1022

[www.FIGHTtheBITE.net](http://www.FIGHTtheBITE.net)

**Gary Goodman**  
General Manager

### 2024 Board of Trustees

**Sean Denny**  
President, Woodland

**Charles Duty**  
Vice President,  
Sacramento County

**Janell Darroch**  
Secretary, West  
Sacramento

**Christopher Barker**  
Davis

**Craig R. Burnett**  
Folsom

**Staci Gardiner**  
Isleton

**Lyndon Hawkins**  
Elk Grove

**Gar House**  
Winters

**Jayna Karpinski-Costa**  
Citrus Heights

**Raymond LaTorre**  
Sacramento

**Robert J. McGarvey**  
Rancho Cordova

**Marcia Mooney**  
Galt

**William Reisen**  
Yolo County

## Sacramento-Yolo Mosquito and Vector Control District Investment Report

The District investment policy authorizes District funds and monies to be invested in only one or a combination of the following institutions and investment types:

- A. Yolo County Treasurer Investment Pool
- B. State Treasurer's Local Agency Investment Fund (L.A.I.F.)
- C. Member and Property Contingency Fund deposits with the Vector Control Joint Powers Agency (VCJPA)
- D. Prefunding of Other Post-Employment Benefits (OPEB) through California Public Employer's Retiree Benefit Trust Program (CERBT)

As the District receives revenue from taxes and other resources the funds are deposited with the Yolo County Treasurer. The following is the interest earnings, fund balances, and investments of the District for the quarter ending **September 30, 2024**.

Institution		Earnings	Total as of 09/30/2024
Yolo County Treasurer Investment Pool	3.901%*	\$(1,712.18)	\$(1,218,246.44)
L.A.I.F.	4.71%	\$197,037.62	\$14,015,727.08
VCJPA-Member Contingency Fund	3.64%	\$66,914	\$1,905,142.00
CERBT-Strategy 3		(\$205.05)	\$2,338,061.23
		<b>District Total:</b>	<b>\$17,040,683.87</b>

*\*Rates are reflected as annualized earning rates*



# County of Yolo

www.yolocounty.org

**TOM HAYNES**

Chief Financial Officer

**EVIS MORALES**

Deputy Chief Financial Officer

## DEPARTMENT OF FINANCIAL SERVICES

625 Court Street, Room 102

PO BOX 1268

WOODLAND, CA 95776

PHONE: (530) 666-8190

FAX: (530) 666-8215

EMAIL: DFS@yolocounty.org

- Financial Leadership
- Budget & Financial Planning
- Treasury & Finance
- Tax & Revenue Collection

- Financial Systems Oversight
- Accounting & Financial Reporting
- Internal Audit

November 13, 2024

Mr. Gary Goodman  
Sacramento-Yolo Mosquito Abatement District  
8631 Bond Road  
Elk Grove, CA 95624

Dear Mr. Goodman:

Listed below for your information and that of the Board of Directors, is data pertaining to interest earnings, fund balances and investments of the district for the quarter ended September 30, 2024. The Yolo County Treasurer's Investment Report is available electronically. Should you or the Board wish additional information or have any questions, please let me know.

<u>PERIOD</u>		<u>YOLO COUNTY</u>	<u>LAIF</u>	<u>EARNINGS</u>
Quarter ending:	September 30, 2024	3.901%		\$ (1,712.18)
Quarter ending:	September 30, 2024		4.71%	\$ 197,037.62

Placement of Funds as of September 30, 2024: (Fund 7245)

Yolo County Treasurer's Pool (Account 100000)	(1,218,246.44)
Flexible Spending Account (Account 104000)	22,846.22
LAIF (Account 104050)	14,015,727.08
<b>Total</b>	<b>\$ 12,820,326.86</b>

\*Rates are reflected above as annualized earnings rates.

Sincerely,

*Kevin Sorensen*

Kevin Sorensen  
Accounting Manager

ASSURANCE OF ACCOUNTABILITY





# Vector Control Joint Powers Agency

## Member Contingency Fund

For the Quarter Ended  
September 30, 2024

Member District	Balance at Beginning of Quarter	Contribution	(Withdrawals)	Interest Earned	Allocated Admin.	Balance at End of Quarter
Alameda County	324,583		(4,351)	11,736	(7)	331,961
Burney Basin	37,276			1,357	(1)	38,632
Butte County	378,398			13,774	(8)	392,164
Coachella Valley	1,005,930			36,616	(21)	1,042,525
Coalinga-Huron	8,437			307	0	8,744
Colusa	97,729			3,557	(2)	101,284
Compton Creek	69,796			2,541	(1)	72,336
Consolidated	421,115			15,329	(9)	436,435
Contra Costa	1,287,520		(291)	46,861	(27)	1,334,063
Durham	4,971			181	0	5,152
Fresno	235,384			8,568	(5)	243,947
Glenn County	43,133			1,570	(1)	44,702
Greater Los Angeles County	1,758,769			64,019	(38)	1,822,751
Lake County	155,715			5,668	(3)	161,380
Los Angeles County West	749,928			27,298	(16)	777,210
Marin-Sonoma	904,732			32,933	(19)	937,646
Monterey County	30,919			1,125	(1)	32,043
Napa County	1,387,566	115,910		52,617	(31)	1,556,062
Northwest	293,879		(189,851)	7,242	(4)	111,266
Orange County	565,486			20,584	(12)	586,058
Pine Grove	33,708		(138)	1,224	(1)	34,793
Placer	271,652			9,888	(6)	281,534
Sacramento-Yolo	1,838,267			66,914	(39)	1,905,142
San Gabriel Valley	156,330			5,690	(3)	162,017
San Joaquin County	421,602		(291,174)	10,047	(6)	140,469
San Mateo County	500,948			18,235	(11)	519,172
Santa Barbara County	84,761			3,085	(2)	87,844
Shasta	260,103			9,468	(6)	269,565
Sutter-Yuba	308,856			11,242	(7)	320,091
Tehama County	279,809			10,185	(6)	289,988
Turlock	22,074			804	0	22,878
West Valley	326,878			11,898	(7)	338,769
<b>Total</b>	<b>14,266,253</b>	<b>115,910</b>	<b>(485,805)</b>	<b>512,563</b>	<b>(\$300.00)</b>	<b>14,408,622</b>

### Notes:

Yield to maturity rate on the VCJPA portfolio is 3.13% as of the above date. As required by GASB 31, the allocated interest shown also reflects market value changes to the securities held in the portfolio. Therefore, the actual interest allocated to this fund, and all program year funds, may or may not equal the yield to maturity rate from quarter to quarter. However, the average overall allocated interest, over the life of this fund, should provide a close approximation.



**Vector Control Joint Powers Agency**  
**Member Contingency Fund - Prudent Balance Calculation**  
**As of September 30, 2024**

Self-Insurance Exposure - Two Times Deductible																					
Member District		Liability		Workers' Compensation		APD		Property		Sub-Total 2 X Deductible		2024/2025 Contribution		Two Times Contribution		Prudent Balance		Member Contingency Fund Balance as of September 30, 2024		Amount Over / (Under) Prudent Balance	
		A		B		C		D				F		G=F x 2		H=E+G		I		J=I-H	
1	Alameda County	20,000		50,000		2,000		1,000		73,000		196,831		393,662		466,662		331,961		(134,701)	
2	Burney Basin	2,000		10,000		2,000		1,000		15,000		9,871		19,742		34,742		38,632		3,890	
3	Butte County	20,000		50,000		2,000		1,000		73,000		168,492		336,984		409,984		392,164		(17,820)	
4	Coachella Valley	50,000		50,000		2,000		1,000		103,000		581,777		1,163,554		1,266,554		1,042,525		(224,029)	
5	Coalinga-Huron	2,000		5,000		2,000		1,000		10,000		3,936		7,872		17,872		8,744		(9,128)	
6	Colusa	2,000		10,000		2,000		1,000		15,000		23,416		46,832		61,832		101,284		39,452	
7	Compton Creek	5,000		5,000		2,000		1,000		13,000		18,249		36,498		49,498		72,336		22,838	
8	Consolidated	20,000		50,000		2,000		1,000		73,000		186,026		372,052		445,052		436,435		(8,617)	
9	Contra Costa	100,000		100,000		2,000		1,000		203,000		364,450		728,900		931,900		1,334,063		402,163	
10	Delta	10,000		20,000		2,000		1,000		33,000		204,394		408,788		441,788		0			
11	Durham	2,000		5,000		2,000		1,000		10,000		8,885		17,770		27,770		5,152		(22,618)	
12	Fresno	10,000		50,000		2,000		1,000		63,000		92,016		184,032		247,032		243,947		(3,085)	
13	Glenn County	2,000		10,000		2,000		1,000		15,000		14,579		29,158		44,158		44,702		544	
14	Greater Los Angeles County	150,000		100,000		2,000		1,000		253,000		879,847		1,759,694		2,012,694		1,822,751		(189,943)	
15	Kings	10,000		20,000		2,000		1,000		33,000		143,825		287,650		320,650		0			
16	Lake County	5,000		20,000		2,000		1,000		28,000		61,646		123,292		151,292		161,380		10,088	
17	Los Angeles County West	50,000		50,000		2,000		1,000		103,000		426,104		852,208		955,208		777,210		(177,998)	
18	Marin-Sonoma	100,000		100,000		2,000		1,000		203,000		430,648		861,296		1,064,296		937,646		(126,650)	
19	Napa County	10,000		50,000		2,000		1,000		63,000		98,359		196,718		259,718		1,556,062		1,296,344	
20	Monterey County	10,000		50,000		2,000		1,000		63,000		84,362		168,724		231,724		32,043		(199,681)	
21	Northwest	10,000		50,000		2,000		1,000		63,000		189,851		379,702		442,702		111,266		(331,436)	
22	Orange County	50,000		100,000		2,000		1,000		153,000		773,334		1,546,668		1,699,668		586,058		(1,113,610)	
23	Pine Grove	2,000		5,000		2,000		1,000		10,000		7,676		15,352		25,352		34,793		9,441	
24	Placer	2,000		20,000		2,000		1,000		25,000		211,859		423,718		448,718		281,534		(167,184)	
25	Sacramento-Yolo	100,000		100,000		2,000		1,000		203,000		553,082		1,106,164		1,309,164		1,905,142		595,978	
26	San Gabriel Valley	20,000		100,000		2,000		1,000		123,000		278,839		557,678		680,678		162,017		(518,661)	
27	San Joaquin County	100,000		100,000		2,000		1,000		203,000		291,174		582,348		785,348		140,469		(644,879)	
28	San Mateo County	20,000		50,000		2,000		1,000		73,000		305,300		610,600		683,600		519,172		(164,428)	
29	Santa Barbara County	5,000		10,000		2,000		1,000		18,000		47,496		94,992		112,992		87,844		(25,148)	
30	Shasta	5,000		50,000		2,000		1,000		58,000		158,082		316,164		374,164		269,565		(104,599)	
31	Sutter-Yuba	20,000		50,000		2,000		1,000		73,000		159,232		318,464		391,464		320,091		(71,373)	
32	Tehama County	2,000		20,000		2,000		1,000		25,000		45,724		91,448		116,448		289,988		173,540	
33	Turlock	20,000		50,000		2,000		1,000		73,000		106,742		213,484		286,484		22,878		(263,606)	
34	West Valley	20,000		50,000		2,000		1,000		73,000		184,443		368,886		441,886		338,769		(103,117)	
Total		956,000		1,560,000		68,000		34,000		2,613,000		7,310,547		14,621,094		17,239,094		14,408,622		(2,830,472)	

# Sacramento-Yolo Mosquito & Vector Control District

CERBT Strategy 3

Entity #: SKB8-1375523307

Quarter Ended September 30, 2024



## Market Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Balance	\$2,177,389.55	\$2,177,389.55
Contribution	0.00	0.00
Disbursement	0.00	0.00
Transfer In	0.00	0.00
Transfer Out	0.00	0.00
Investment Earnings	161,155.16	161,155.16
Administrative Expenses	(278.43)	(278.43)
Investment Expense	(205.05)	(205.05)
Other	0.00	0.00
Ending Balance	\$2,338,061.23	\$2,338,061.23
FY End Contrib per GASB 74 Para 22	0.00	0.00
FY End Disbursement Accrual	0.00	0.00
Grand Total	\$2,338,061.23	\$2,338,061.23

## Unit Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Units	123,845,370	123,845,370
Unit Purchases from Contributions	0.000	0.000
Unit Sales for Withdrawals	0.000	0.000
Unit Transfer In	0.000	0.000
Unit Transfer Out	0.000	0.000
Ending Units	123,845,370	123,845,370
Period Beginning Unit Value	17.581516	17.581516
Period Ending Unit Value	18.878873	18.878873

Please note the Grand Total is your actual fund account balance at the end of the period, including all contributions per GASB 74 paragraph 22 and accrued disbursements. Please review your statement promptly. All information contained in your statement will be considered true and accurate unless you contact us within 30 days of receipt of this statement. If you have questions about the validity of this information, please contact CERBT4U@calpers.ca.gov.



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

## **December 17, 2024 Board Meeting**

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

- a. Manager's Report**
- b. Oral Reports from District Departments**
- c. Written Reports from District Departments**

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

The year is at an end and staff are preparing for the upcoming 2025 season with planning, training, and equipment maintenance.

The Mosquito & Vector Control Association of California (MVCAC) planning meeting was held on December 2-4. The Association spent some time on a strategic planning session to re-identify the goals and direction of the organization with a specific focus on the organization and efficiencies of the committees in both structure and function.

District staff is continuing the work on the five-year plan for future activities and direction of the District. Staff will provide an update to the Board early next year on the items highlighted in the plan.

We have begun the audit process for FY 23-24 and things are going smoothly with the transition to the new NEOGOV software.

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

- **Administration**
- **Geographic Information Systems**
- **Information Technology**
- **Vector Ecologist**
- **Research Biologist**
- **Microbiologist**
- **Shop Supervisor**
- **Field Supervisor North Yolo**
- **Field Supervisor South Yolo**
- **Field Supervisor North Sacramento**
- **Field Supervisor Catch Basin**
- **Field Supervisor Urban Operations**

#### **c. Written 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)**

## **2024 December Board Meeting**

Lisa Pelletier, Administration Manager:

Front Office staff now has over a year experience working for the District and with each other. I am enthusiastic about the productivity, camaraderie and professional growth Dania, Cat, Tatiana, our two seasonals and I have gained during the last year.

In our short tenure with the District, the Admin Department (aka "Dream Team") expanded employee outreach by highlighting admin support and benefits, including several training sessions and a special Lincoln Open Enrollment. We improved and streamlined multiple District processes, such as onboarding, safety, auto claims, protective leave, compliance, support for employees approaching retirement and more. We are currently implementing NeoGov to manage District benefits, payroll, time & attendance, which has been a smashing success so far.

Additionally, we added programs to appreciate and reward employees, such as weekly "kudos", "work-anniversary" celebrations and Mosquito Munch Fridays. District morale, positivity and commitment are high, as demonstrated by an 45% increase in attendance for the Holiday party from 2023. We are proudly committed to "Serving the People who Serve the People" and look forward to continuing to do so throughout 2025 and beyond.

Ruben Rosas, GIS Department:

For the 2024 season, the GIS Department accounted for 43,651 acres of rice. In regards to organic rice farms, the District observed a 29% decrease primarily in Yolo County in the Conaway Ranch area. Conaway Ranch has informed the District that the area will be reducing its organic properties which will help the District maintain larval and adult control without being limited to organic approved pesticides. In 2024, the GIS Department submitted approximately 126,000 acres of wetlands and rice to be larvicided by air. This included coordinating with field supervisors, producing maps, notifying rice growers and tracking costs and material inventory. In response to West Nile virus detections and mosquito abundance, the GIS Department submitted approximately 538,000 acres for an adulticide application by air. In addition to providing shapefiles and updating the District's website, the GIS Department is now capable of sending out public notifications for adulticide treatments. The GIS and IT Departments collaborated this season to ensure the District has more than one department that is able to send spray notifications to the public. In 2024, the GIS Department conducted ride-alongs with various departments of the District. Having exposure to field operations, lab duties, fisheries, catch basins and the invasive Aedes crew, the GIS Department gained a strong understanding of District operations and provided improvements to mapping capabilities. For example, the GIS Department created QR codes for lab technicians that will provide GPS navigation when the code is scanned using a cell phone. This will allow lab technicians to navigate exactly where the trap is placed even if the trap was set by another staff member. In 2024, the GIS Department coordinated with local County Agricultural Departments to provide outreach to registered beekeepers in Sacramento and Yolo County. The goal of the project was to establish partnerships with local beekeepers and encourage them to sign up for the District's spray notifications. The outreach was well received and promoted collaboration between the District, Agricultural Commissioners and local bee owners. For the upcoming season, the GIS Department will work with management to provide

spatial analysis of District inspections and treatments to investigate efficiency and the allocation of resources.

Dan Fisher, Information Technology:

The Information Technology department exists to support the mission of the District with the use of technology. The department serves this function by investigating, purchasing, deploying, supporting and maintaining, and in some cases building from scratch, the best hardware, software, and services, at the right cost and scale to increase productivity, efficiency and security. The District is dependent on technology to communicate, to pay our employees, to keep our data secure, and to be accessible to the residents we serve.

In 2024, the IT department completed a number of projects to improve business continuity in case of power outages, internet outages, or cyber attacks. Storage and backup capacity was more than doubled at both our office locations, ensuring offsite redundancy. Starlink satellite internet was installed at our main Elk Grove office to back up our primary fiber optic connection. Battery backup capacity was increased both on critical network equipment and servers, and on all front office desktops and phones to continue answering calls from the public in the event of a power or internet outage.

Advanced cyber attack protection software BitDefender GravityZone was deployed, which uses machine learning, behavioral analysis, and continuous monitoring to detect and block malicious activity before it can spread. Remote management and monitoring software from NinjaOne now automatically monitors computer performance and software update compliance with critical security updates.

Just this past month, the department worked with Tmobile to take advantage of an offer to upgrade all staff to the latest iPhone 16 at zero cost, combined with monthly service plan savings that will exceed \$100,000 saved compared to our previous vendor over the next four years. The iPhone 16 has satellite messaging built in, so field staff are never without communication even in rural areas with zero cellular service.

The department has been working to identify the next software system to manage our truck based ULV applications. In the next few months, the District will be moving away from laptops in ULV trucks in favor of iPads with new software, designed to keep our staff safer and more productive during ULV operations. The department also plans to work with our existing technology support vendor before the season ramps up to upgrade servers and perform a routine security audit.

The department also upgraded our District website with a new ADA compliance tool, which you can try out by clicking the small blue person icon in the lower left corner of our home page next time you visit the District website. The department is also going through the hundreds of PDF documents on our website to audit for ADA compliance, and will complete that project in the first half of 2025.

Debbie Dritz, Vector Ecologist:

As the District's Vector Ecologist I coordinate our weekly abundance trapping, our disease surveillance and response trapping activities, human case response trapping, invasive Aedes surveillance in previously undetected areas and tick surveillance. Trap types, locations and/or collection methods will be presented. I also supervise 7 of our 8 Laboratory technicians (one Lab Tech per year does a rotation working with our Biologist) and non-research seasonal employees, conduct the District's adult mosquito resistance testing and oversee our susceptible mosquito colonies. The total number of adult mosquitoes collected in our weekly abundance

traps to date this year was 142,298. The total collected in our EVS disease monitoring traps in the 2024 season was 170,004. In addition the Lab Techs sort, count and identify all the invasive *Aedes* that District personnel collect which totaled 64,702. The district had 24 human cases this year and the Techs processed those collections plus helped process research samples which totalled an additional 3,375 adult mosquitoes. This translates into each of 7 Lab Techs sorting, counting, identifying and pooling approximately 54,348 mosquitoes each. I continued to serve on the MVCAC Integrated Vector Management Committee in 2024 and as one member of a 3 person sub-committee, am working on developing updated resistance testing guidelines in the form of an online platform to assist more districts in California to develop resistance testing capability.

Mario Novelo Canto, Lab Biologist:

In 2024, the laboratory, in conjunction with control operations, the University of the Pacific, and UC Davis, conducted several field trials to test the efficacy of various products and application methods. Additionally, we conducted multiple research projects including: heartworm surveillance at the Sacramento zoo and dog parks around Sacramento and Yolo counties, measuring the diel activity patterns of adult mosquitoes across different landscapes, assessing the efficacy of similar vases in cemetery vases, comparing the efficacy of BG Pro traps vs BG sentinel traps for *Aedes aegypti* surveillance, as well as a comparative analysis of the efficacy of mycelium based CO2 source and traditional sources like dry ice or CO2 canisters for mosquito surveillance. Additionally, for the first time, we conducted a surveillance and control operation in South Sacramento for a local infestation of *Rhipicephalus sanguineus*, one of the main vectors of Rocky Mountain spotted fever.

Kara Kelley, Microbiologist:

The Lab performs tick surveillance for *Borrelia burgdorferi*, the causative agent of Lyme disease, each year from November through May when the local vector *Ixodes pacificus* is most active. There are twenty established tick collection sites in Sacramento and Yolo Counties which are surveyed once per month. In 2024, excluding the months of November and December, 200 pooled collections of *Ixodes pacificus* were tested for *Borrelia burgdorferi*, of which 31 were positive from a total of five collection sites. Beginning in mid-April, surveillance efforts shifted to West Nile virus (WNV). As part of our surveillance program, the laboratory maintains five flocks of sentinel chickens. Samples are collected and tested every two weeks for WNV, St Louis encephalitis Virus, and western equine encephalitis virus. In 2024, we detected a total of 4 WNV positive chickens: two from Knights Landing, one from Dunnigan and one from Isleton. Collection and testing of dead birds is another part of our WNV surveillance program. This year the District tested 390 dead birds and 72 tested positive for WNV. This was a positivity rate of 18.5% which was same positivity rate seen in 2022. The last component of our WNV surveillance program is collection and testing of mosquitoes. In 2024, we tested a total of 5726 samples with 120 (55 from Sacramento County and 65 from Yolo County) samples testing positive for WNV, this is a positivity rate of 2.10% which is much lower than the rate of 8.0% observed in 2023. The Microbiologist will continue to serve on the MVCAC Laboratory Technologies Committee for 2025.

Robert Fowler, Shop Supervisor:

In 2024 first full year as Shop Supervisor and how the changes made within the department have impacted the District. I will also some of the bigger projects that have been completed such as rebuilding the Massey 40E and Argo, the complete quad rebuild, purchasing and outfitting the new Can-Am Defender. I will also go into some detail about our current fleet changeover and some of the challenges we face regarding outfitting the new vehicles in time for the next vector control season. Additionally, a small slide show will be available when discussing these topics and answer any questions posed by the board.

Brett Day, North Yolo Field Supervisor:

The 2024 year started off with vector solutions training, yard and building maintenance, cleanup and calibration of technician vehicles, WSP (water soluble packet) production for our catch basin program, and first aid/cpr training for the North Yolo Crew.

North Yolo technicians began inspecting and treating sources early in March. For the 2024 season 15,350 sources were inspected with 635 treatments conducted. Throughout the late spring and summer months 15,600 acres of rice were monitored with 41,600 acres of conventional and 2,300 acres of organic rice turned in for treatment. North Yolo technicians also monitored 5,400 acres of rice in the Conaway and West of Woodland areas that were in an auto retreat weekly rotation which ran from July through September. North Yolo technicians responded to 187 service requests (down from over 300 in 2023). During the 2024 season North Yolo responded to 35 West Nile positive mosquito pools with the first one on June 26th in Dunnigan. North Yolo also responded to 3 human cases, 2 wild birds, and 4 sentinel chicken cases for West Nile. In response to the West Nile positives North Yolo technicians conducted 25 Ultra Low Volume fogging Missions in various areas throughout the county with a total of 23,211 acres treated. For the 2024 season North Yolo technicians turned in a little over 1,400 acres of wetland ponds for treatment.

Will Hayes, South Yolo Field Supervisor

South Yolo crew is made up of 6 full-time technicians and 1 seasonal employee. We cover the City of Winters, Davis, West Sacramento, Yolo Bypass Wildlife Area (YBWA), as well as the surrounding agricultural areas including private duck clubs, the Swanston Ranch, and the east side of Conaway Ranch. 2024 operated like a typical mosquito season with early season treatments in the wetlands, rice farming from April-September., and WNV becoming active in the heart of the summer. Techs inspected just under 14,000 sources with 1100 needing treatment. So. Yolo responded to 430 Service Requests and monitored 101 fields (10,440 acres) of both Organic and Conventional rice. Responding to WNV+, So. Yolo performed nearly 100 truck routes and covered over 33,000 acres between July and Sept. Fall flooding in the Swanston, Conaway, YBWA, and private duck clubs followed traditional flood patterns as in years past, beginning in September and going into November.

Richard Speakman, North Sacramento Field Supervisor:

The North Sacramento region experienced a slight increase of about 5% in Natomas rice for 2024, bringing the total acres of rice to 7388. Additionally, a total of 10918 acres of rice were treated by air.

Field technicians responded to 1725 Service requests in 2024. 1090 for mosquito populations, 532 for mosquitofish plants and 103 service requests for yellowjacket and wasp control.

West Nile Virus was down in the North Sacramento region in 2024 compared to last year. North Sacramento staff responded to 102 West Nile Virus detections compared to 427 in 2023. This year we had 43 positive mosquito pools, 57 positive WNV birds and 2 positive WNV human cases. Technicians conducted 110 Ultra Low Volume (ULV) treatments in response to the positive mosquito pools.

This year, 640 swimming pools in North Sacramento were in the pool program where homeowners and residents were mailed their notice of annual inspection. At season's end, nearly 94% of the sites in the pool program successfully had been inspected/treated.

Technicians saw an increase in yellow jacket queens and decrease in workers compared to last year. Technicians trapped 1648 queens in the spring (compared to 325) and approximately 4519 workers in the summer and fall (compared to 12568). Total nest treated were down nearly 73%. Staff located and treated 186 yellow jackets nests in 2024 compared to 683 in 2023.

Ryan Wagner, Catch Basin Supervisor:

2024 was another productive and engaging year for the District's Catch Basin Program. To carry out the task of inspecting and treating the 250,000 storm drain utilities in Sacramento and Yolo counties, the department operates with six full-time employees and - this past season - benefitted from the aid of three seasonal helpers. Working together in routine catch basin visits as well as West Nile virus response, the crew treated and inspected 335,000 storm drains, surpassing the totals of eighteen out of the nineteen previous seasons of this program's existence and exceeding 2023 totals by 26%. Efficiency was bolstered by use of right-hand-drive Jeeps, bikes, and e-scooters, as well as the program's shift to permanent technician assignments, fostering regional expertise. With assistance from a shared seasonal helper, the Catch Basin Program performed 635 samples for larvicide efficacy evaluation for the third consecutive year. These data provide us the real world residual life of each product we use in our local context and become the hinge upon which our larvicide rotation plan evolves each season. The department added 3,000 new catch basins to our growing database as new development continues across both counties, ensuring that we can provide timely mosquito control throughout our service area.

David Smith, Urban Operations Program:

The District's Urban Operations Program had an eventful 2024, focusing on the monitoring and control of the invasive *Aedes aegypti* mosquitoes that have spread significantly since the first detection in 2019. The program is comprised of four full-time technicians and was aided last year by three seasonal helpers. Our efforts included the deployment of over 2,450 BG-S daily traps, which revealed that nearly half of the detections within those traps identified *Aedes aegypti* while *Culex pipiens* and *Culex tarsalis* contributed to the remaining majority of collections.

Surveillance identified new infestation areas such as Davis, Woodland, Fair Oaks, and Folsom. Field activities ended in mid-November as temperatures remained consistently lower.

In addition to trap surveillance, the team visited over 5,000 properties, resulting in the inspection of 1,493 residences and over 1,400 localized adulticide treatments, which in turn raised public awareness about this invasive mosquito species. Our program has been able to supplement control efforts with the utilization of our two A1 Super Duty mist blowers for over 30 WALS® applications in urban areas within Sacramento and Yolo County, covering just under 12,000 acres. With a significant rise in service requests for “day-biting” mosquito activity, the program saw a 300% increase in specific requests. Going forward, our program will continue to utilize the resources available as well as new techniques or strategies as invasive mosquitoes continue to become more prevalent in our area.



# LABORATORY

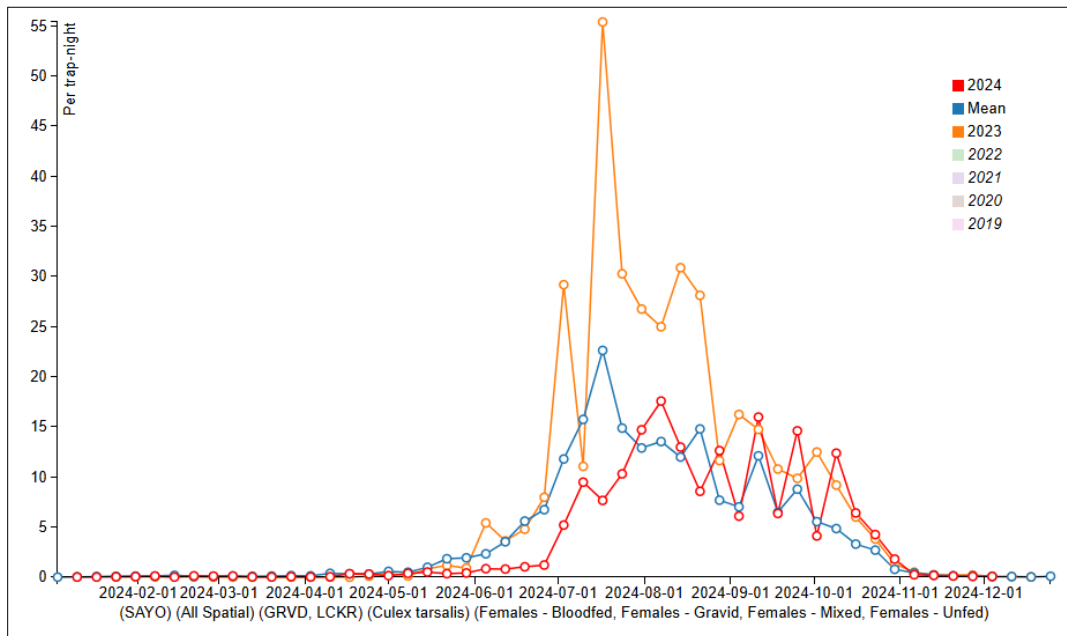
## Monthly Report, December 2024 Board Meeting

### Insectary:

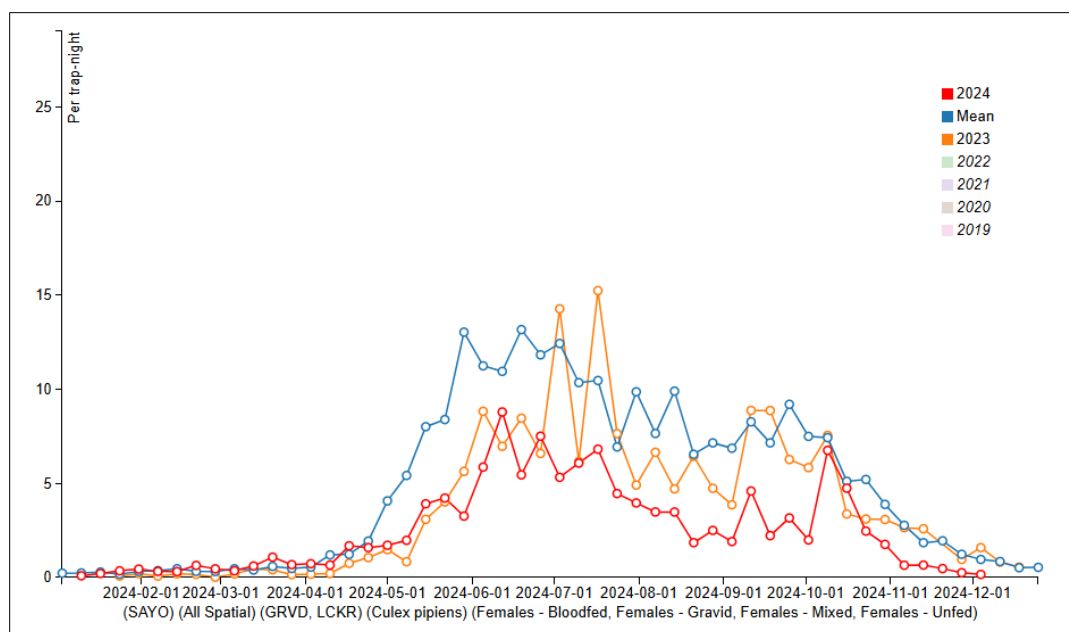
Species	Name	Origin	Resistance Status
<i>Culex tarsalis</i>	KNWR	Kern National Wildlife Refuge (2009)	susceptible
<i>Culex quinquefasciatus</i>	CQ1	Merced, CA (1950s)	susceptible
<i>Culex quinquefasciatus</i>	Sebring	Florida (1988)	susceptible
<i>Culex pipiens</i>	WCP	Woodland, CA (2023)	resistant: pyrethrins/pyrethroids, methoprene, and spinosad
<i>Culex tarsalis</i>	VFCT	Vic Fazio Yolo Wildlife Area (2024)	resistant: pyrethrins/pyrethroids
<i>Aedes sierrensis</i>		Sonoma County (2016)	susceptible

### 2024 Surveillance update through 12/6/2024

**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. These traps run seven days a week and provide stable abundance data.

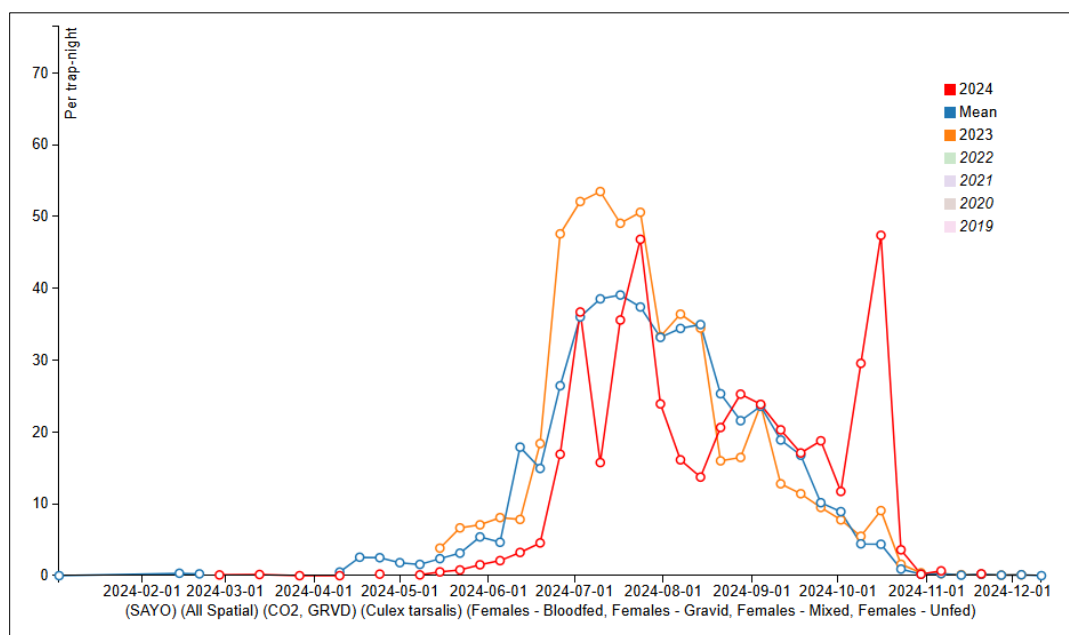


*Culex tarsalis* abundance in constant operation locker and gravid traps.

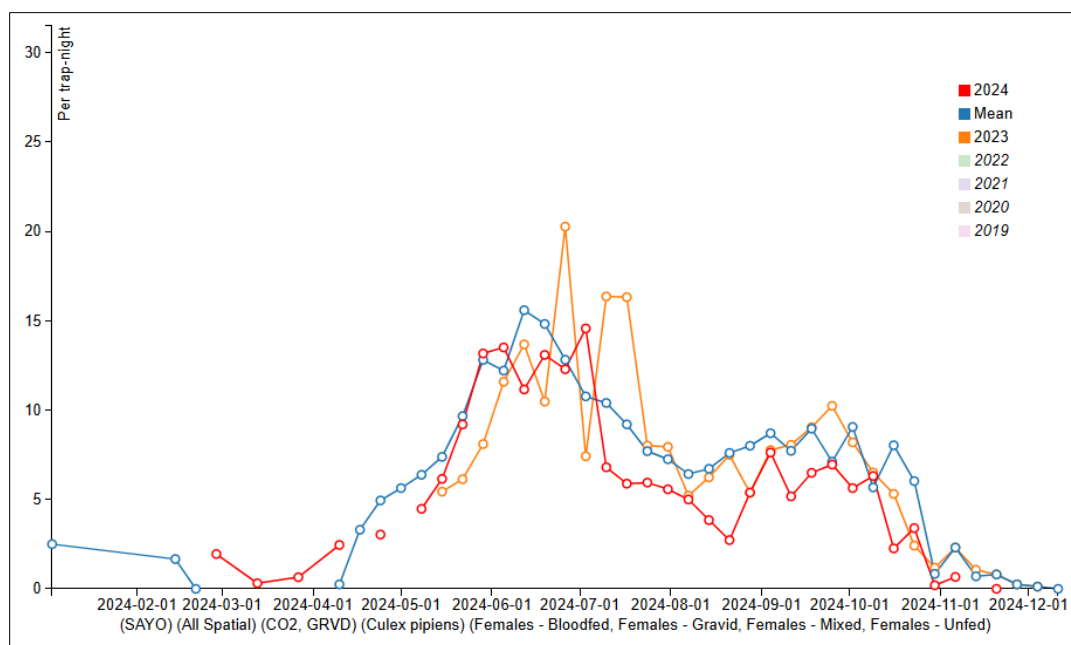


*Culex pipiens* abundance in constant operation locker and gravid traps.

**Encephalitis Vector Surveillance (EVS)** – The following graphs show the number of *Culex tarsalis* and *Culex pipiens* that were collected in CO<sub>2</sub>-baited EVS traps and gravid traps set for West Nile virus (WNV) surveillance. These traps are deployed in routine and response sites throughout Sacramento and Yolo Counties and are run for a single night. *Culex tarsalis* and *Culex pipiens* were tested for WNV, western equine encephalitis virus (WEEV), and Saint Louis encephalitis virus (SLEV).

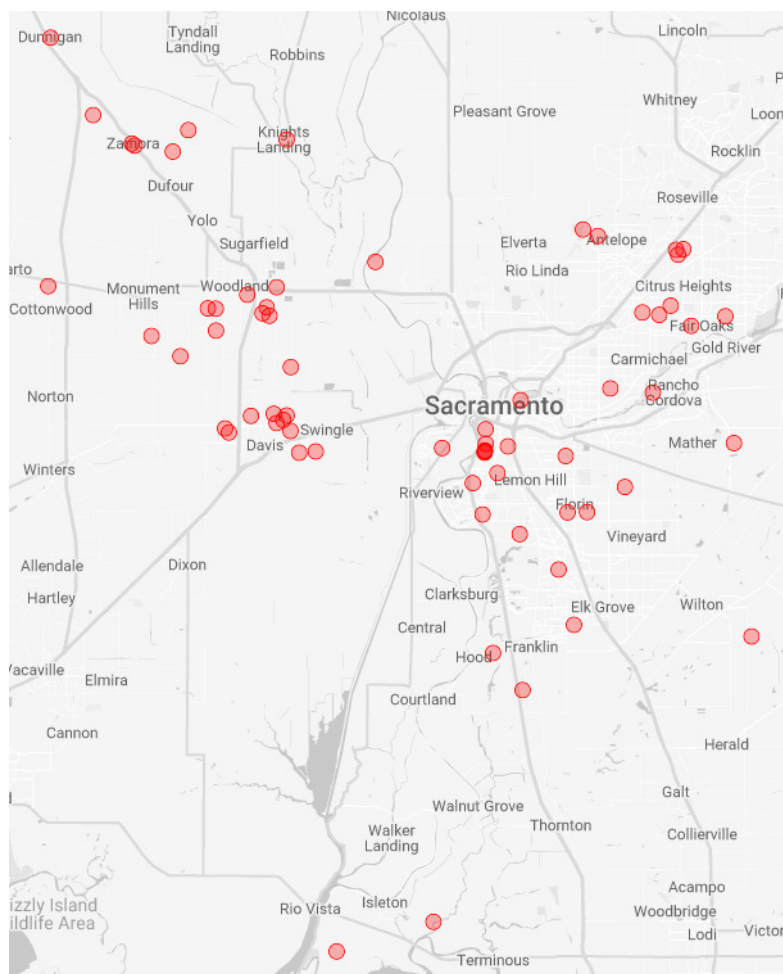


*Culex tarsalis* collected in EVS CO<sub>2</sub> and gravid traps. High October abundance is an artifact of the incremental cessation of seasonal EVS trapping. The traps that were monitored into October had late WNV activity and contributed heavily to *Culex tarsalis* abundance. Thus, pushing up the average number of females per trap night.



*Culex pipiens* collected in EVS CO2 and gravid traps

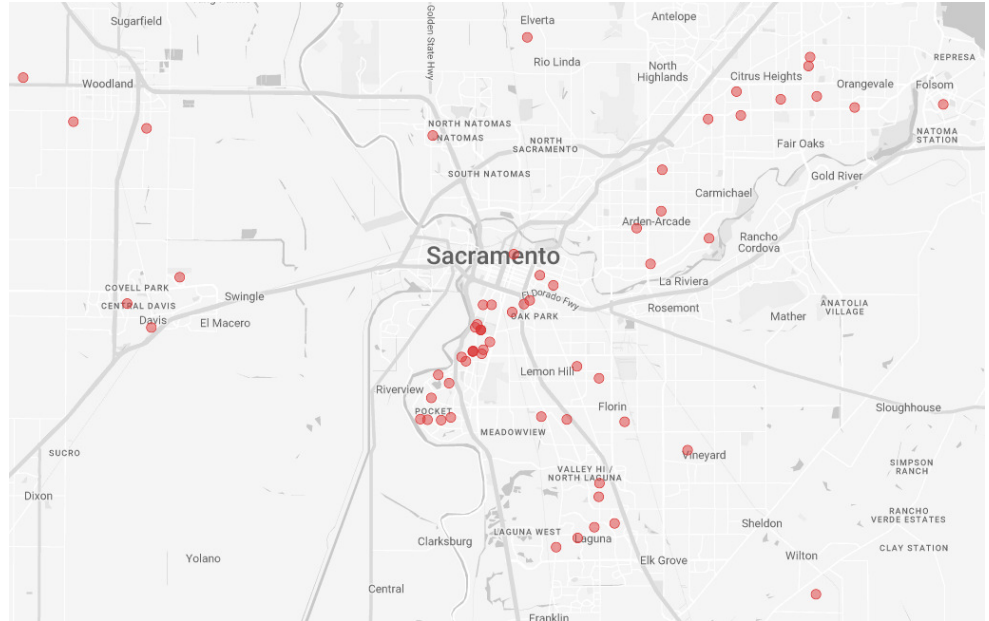
**Mosquito testing** – In 2024 5,726 pools of *Culex pipiens* and *Culex tarsalis* were tested for WNV, SLEV, and WEEV. Of these, 55 pools from Sacramento and 65 pools from Yolo County were positive for WNV.



Cumulative 2024 WNV-positive mosquito pools

### Dead bird surveillance

– In 2024 391 dead birds were collected and tested. In total, 66 of 325 were WNV-positive from Sacramento County and 6 of 66 were WNV-positive from Yolo County.



Cumulative 2024 WNV-positive dead birds

**Sentinel chickens** – Sentinel chickens were deployed to five sites in Sacramento (Isleton, Sacramento, and Rancho Murieta) and Yolo (Dunnigan and Knight’s Landing) counties. 2024 testing results are below.

Flock location	County	Flock size	WNV	Date of first
			seroconversions	seroconversion
Isleton	Sacramento	5	1	9/13/2024
Sacramento	Sacramento	5	0	
Rancho Murieta	Sacramento	5	0	
Knight's Landing	Yolo	5	2	8/30/2024
Dunnigan	Yolo	5	1	9/13/2024

**Rice surveillance** – Specialized traps (Biogents Counter traps) were deployed to the rice fields the first week of June and were used to collect mosquito abundance data. Once fields are drained are harvested this surveillance program will conclude and resume next season.

**Human disease response surveillance** – In October and November two travel-related cases were reported: Malaria (Sacramento County) and Dengue (Yolo County). Response trapping was conducted, and vector species were not collected.

***Aedes aegypti* and *Aedes albopictus* Surveillance** – Surveillance continues for *Aedes aegypti* and *Aedes albopictus*. *Aedes aegypti* activity has expanded in both Sacramento and Yolo County. However, *Aedes albopictus* was not collected in 2024. A table reflecting the 2024 trap effort is shown below.

City	County	Trap nights	Total males and females collected	
			<i>Aedes aegypti</i>	<i>Aedes albopictus</i>
Carmichael	Sacramento	25	22	
Citrus Heights	Sacramento	60	56	
Elk Grove	Sacramento	162	60	
Elverta	Sacramento	5		
Fair Oaks	Sacramento	14	36	
Folsom	Sacramento	75	37	
Galt	Sacramento	24		
Gold River	Sacramento	8		
Isleton	Sacramento	10		
Mather	Sacramento	11		
North Highlands	Sacramento	2		
Orangevale	Sacramento	16	65	
Rancho Cordova	Sacramento	59	134	
Rancho Murieta	Sacramento	101	7	
Rio Linda	Sacramento	9		
Sacramento	Sacramento	1749	7003	
Walnut Grove	Sacramento	10		
Wilton	Sacramento	4		
Davis	Yolo	114	96	
West Sacramento	Yolo	110	89	
Winters	Yolo	739	1901	
Woodland	Yolo	78	65	

**Tick surveillance** – Tick flagging began in November and will continue into May 2025. Summary 2024 data will be reported in the 2024 board report.

## The California Arbovirus Surveillance Bulletin #33 Week 47 Friday, Nov 22, 2024

2023 & 2024 YTD West Nile Virus Comparisons		
	2023	2024
Total No. Dead Bird Reports	6,609	6,290
No. Positive Counties	42	32
No. Human Cases	343	117
No. Positive Dead Birds / No. Tested	849 / 1,953	533 / 1,777
No. Positive Mosquito Pools / No. Tested	4,512 / 52,375	2,003 / 47,990
No. Seroconversions / No. Tested	187 / 3,704	158 / 4,757

YTD WNV Activity by Element and County, 2024					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			53	20	2
Butte	11		4	70	28
Calaveras	1				
Colusa	1		1		2
Contra Costa	3		6	10	8
Fresno	15		1	208	
Glenn	1				
Imperial				3	
Kern	12			48	
Kings	6			87	
Lake			3	13	7
Los Angeles	20	1	17	205	41
Madera			1	110	
Merced	3		1	44	12
Nevada					1
Orange	1		1	52	
Placer		1	4	93	
Riverside	4		4	217	
Sacramento	5	1	66	53	1
San Bernardino	5		10	76	
San Diego	2	1	7		
San Joaquin	2	1	6	188	
San Mateo			36		
Santa Clara	3		301	34	
Shasta	1			37	2
Solano			2	13	8
Stanislaus	5			56	
Sutter				32	20
Tehama	2	1			6
Tulare	1		1	236	10
Yolo	9		6	66	3
Yuba	4	1	2	32	7
<b>Totals</b>	<b>117</b>	<b>7</b>	<b>533</b>	<b>2,003</b>	<b>158</b>



## ECOLOGICAL MANAGEMENT DEPARTMENT

### November/December 2024 Board Update

#### Ecological Management Projects

##### California Department of Fish and Wildlife (Elk Grove)

Ecological Management staff are in the process of excavating a new pond at the Bond Road facility to raise Sacramento Perch (*Archoplites interruptus*). CDFW staff reached out to Assistant Manager and former fisheries supervisor Tony Hedley for assistance and knowledge of cultivating fish. The Sacramento Perch project will be fully funded by CDFW and at the end of the trial, the District will utilize the new fenced and covered pond for mosquitofish (*Gambusia affinis*) production.



#### Fall Flooding



The 2024 Fall Flooding program has ended and the waterfowl season is well underway. Prior to October 1<sup>st</sup>, staff recorded a total of 3265 acres flooded for migratory bird habitat and waterfowl hunting. 630 acres of federal property (Stone Lakes, Cosumnes River Preserve) 1814 acres of state property (Yolo Bypass Wildlife Area) and 821 acres of private waterfowl clubs (13 private clubs). This is approximately 18% reduction in acres from 2023.

In 2024, staff treated a total of 6794 acres of wetland habitat by utilizing fixed wing aircraft, drones and Argos. The total acreages this season decreased by approximately 2000 acres (23.3%) in comparison to the 2023 season. It is surmised that



the lack of water availability due to late rice planting, the negotiation with Yolo Wildlife Area to suspend wild rice flooding until later, and that Conaway Ranch didn't have any fall flooding until late October allowed the District to see a decrease in wetland acres and treatment costs. All Fall Flooding Program cost sharing invoices have been submitted and the District is currently awaiting payments.

### **District Projects**

Ecological Management staff facilitated the rental of an 86' manlift to remove branches and trees that were a threat of falling and damaging structures or fencelines along the bike trail on the west side of the property. Furthermore, staff removed multiple trees along Bond Rd. that were beginning to block street signs and traffic control signals.





**BIOLOGICAL CONTROL**  
**Monthly Report for December 2024 Board Meeting**

In November, the Fisheries Department completed the stocking of fall flood-up sources. From August 22nd to November 5th, fisheries technicians stocked 1,462 pounds of mosquitofish, covering 5,343 acres. This marks a 616-pound increase over last year's fall stocking efforts. To date, a total of 4,000 pounds of mosquitofish have been distributed, covering 15,536 acres. Furthermore, the department restocked the netted ponds, where these fish will overwinter before being redistributed to our open grow-out ponds in the spring. This process helps safeguard our fish stock from migratory birds that prey on them during the winter months.

Additionally, the Fisheries Department began installing exclusion fencing around the district's first two netted ponds ever constructed. Originally outfitted only with nets, these ponds will now benefit from an added layer of protection from predators while preserving the nets from physical damage. Other ongoing projects include the construction of a new outdoor bio-filtration system. This system will improve water quality and increase holding capacity, especially during the summer when fish distribution is at its peak. Fisheries technicians also installed hardware and netting over the existing cement pond.

Daily activities, such as water quality testing and tank cleaning, continued to ensure high-quality fish. Weed removal and general maintenance were also performed.

Log of Treatment Applied for November

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish    ( <i>Gambusia affinis</i> )	65    lbs	142   Acres	4
Guppies        ( <i>Poecilia reticulata</i> )	0    lbs	0    Acres	0

Log of Treatment Applied for the year 2024 - Year to Date

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish	4,000   lbs	15,536.3   Acres	2,814
Guppies	.75   lbs	.272   Acres	9

Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
35,000.00	9,941.25	25,058.75	28%



Above : *Picture of mosquitofish released into a wetland.*

Bottom Left : *Picture of a wetland at Roosevelt Ranch in Zamora.*

Bottom Right: *Picture of a technician's adding netting to cement pond.*





## CONTROL OPERATIONS

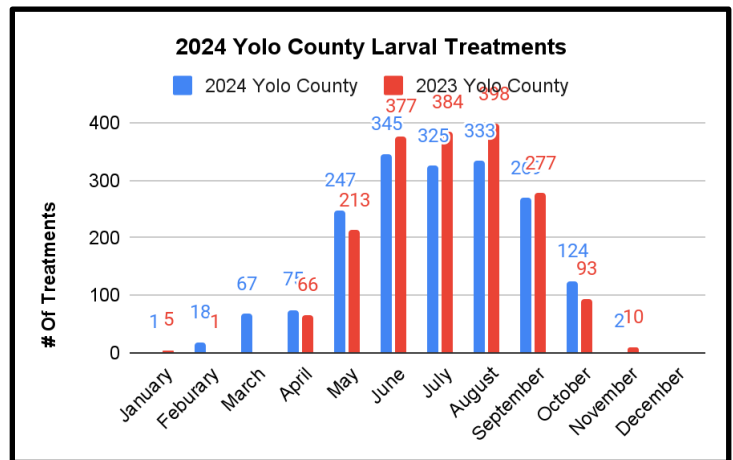
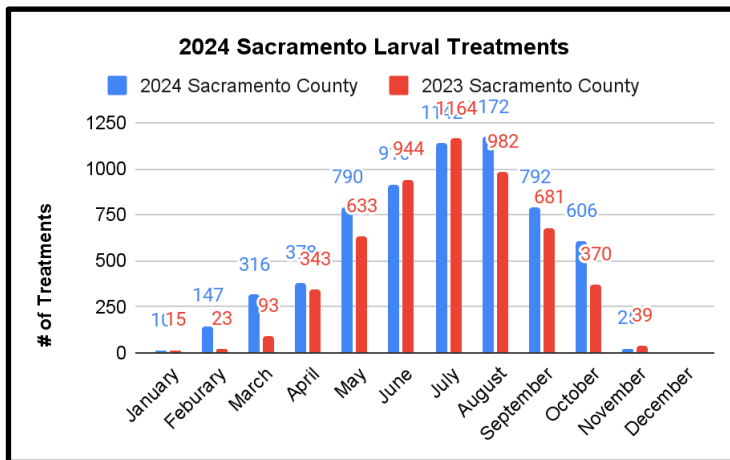
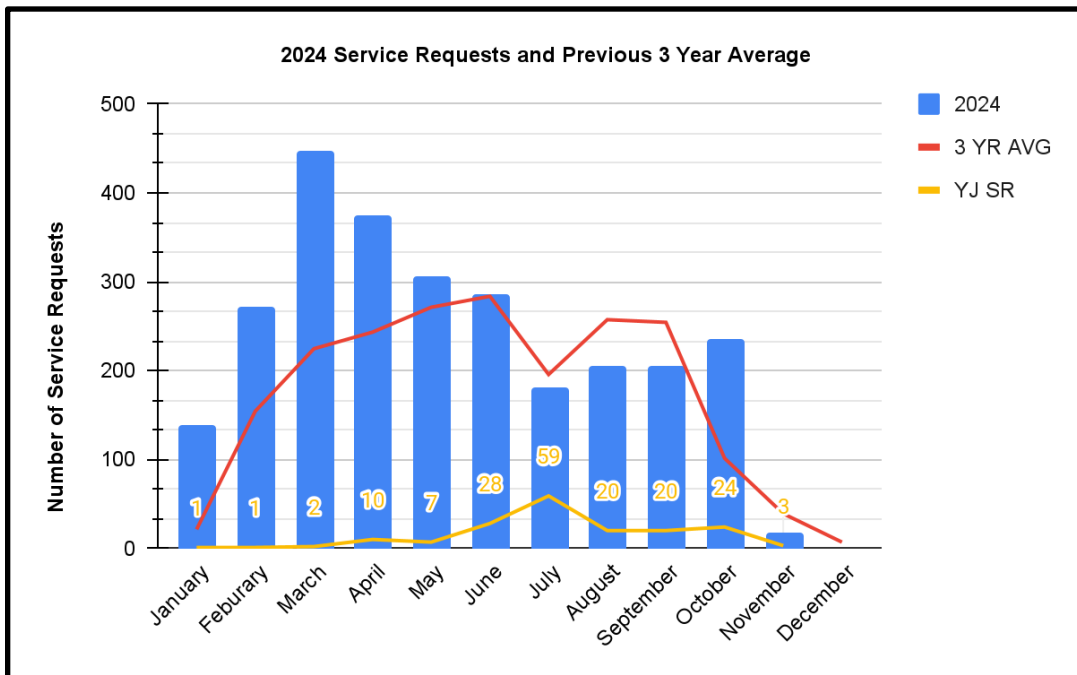
### Monthly Report for the December 2024 Board Meeting

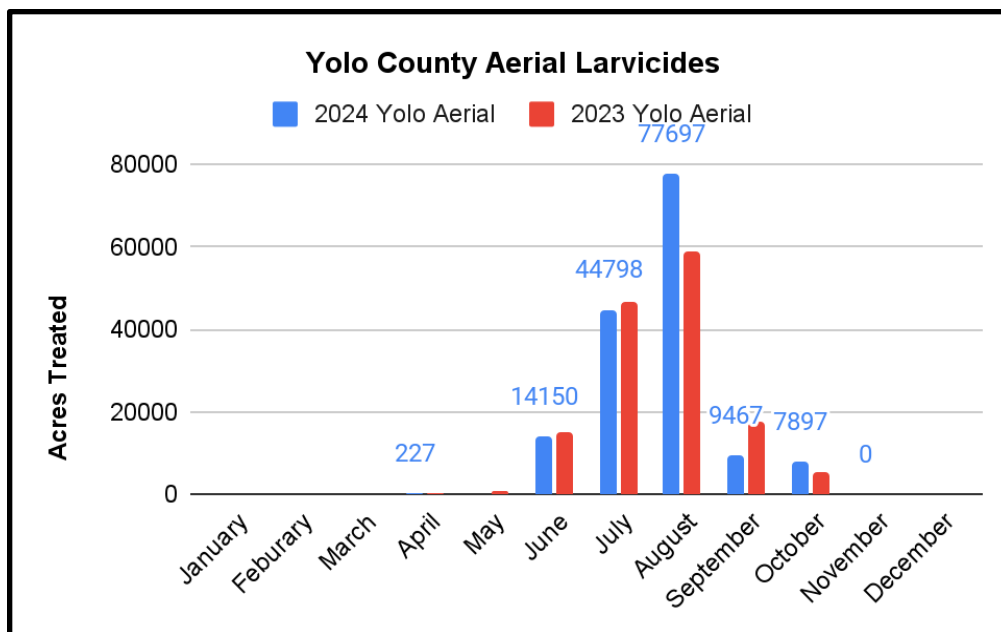
#### Culex, West Nile Virus (WNV) and General Mosquito Control

As the season wound down a total of seven ground based ULV treatments were performed in the months of October and November in response to West Nile virus and high adult mosquito populations.

Fall flooding treatments and inspections were wrapped up for the season by the end of October.

Vector Control Disease International (VDCI) performed two aerial adulticide applications over rural agricultural areas in the Month of October to finish out the rice season.





### Aerial UAS Applications

Leading Edge Aerial Technologies (LEA) performed six UAS applications in October in both counties over agricultural and wetland fields mostly over fall flooded wetland areas. LEA ended the season having treated just over 3,280 acres for the calendar year.

### Catch Basin Program

The Catch Basin Program has treated 85,756 and Inspected 249,011 basins to date. In 2023 a total of 131,190 were treated by this time. The crews continued their treatment program through the month of October.

### Yellowjacket Control

North Sacramento Control Operations trapped a total of 1286 worker yellowJackets, with 139 nests treated mostly along the American Parkway area in October. These are much lower than normal trapping detections and nest treatments likely due to the aggressive early spring Queen trapping program implemented in the same area.

### Urban Control Operations:

In the months of October and November the Urban Operations crew set out 421 daily BG traps from which 259 *Aedes aegypti* were detected. The last trap detection was November 18, 2024 which concluded the BG surveillance for the season. The crew visited a total of 723 properties between October and November which resulted in 201 detailed yard inspections and 215 localized adulticide backpack treatments. Seven Wide Area Larvicide sprays (WALS) were also conducted over these last two months in response to high population areas in Sacramento and South Yolo Counties.

### MVCAC

Marty and David attended the North San Joaquin Region Fall Continuing Education training day held in Modesto, CA with a presentation and field demonstration of the District's A1 Mist blower WALS operations.



A1 Mist Blower Larvicide for WALs® Larvicide Applications

**PUBLIC INFORMATION AND EDUCATION**  
**Monthly Report for the December 2024 Board Meeting**

**School Program:**

In an effort to grow our school program, we are continuing our partnership with Red Shoe Productions and our Fight the Bite “What Bugs You?” school assemblies that serve to educate and inform the kids on our Be a Mosquito Buster program. In November, two assemblies were held at Hillsdale Elementary and Bowling Green Charter reaching 319 students in addition to teachers and other staff.

**Upcoming Assemblies:**

December 4: Genevieve Didion Elementary

December 5: Sierra Oaks Elementary

**Presentations:**

Two presentations were recently offered; the first to the Winters Kiwanis’s Club where I spoke extensively about the ongoing invasive mosquito infestation and our ongoing control efforts throughout the season. The second presentation was given to the Pocket/Greenhaven Rotary Club. Members were well informed about various invasive mosquito detections throughout Sacramento County and had questions about the recent detections of locally acquired dengue cases in southern California. Attendees were engaged, had many thoughtful questions and enjoyed the presentation.

**Events:**

We have started getting information for upcoming community events in 2025. We are starting to review these as well as put together a list of tentative events we will attend. The first two events being considered are the Galt Bird Festival on February 1<sup>st</sup>.

**Materials and Annual Report**

In preparation for the upcoming season we are currently taking note of all items to be re-stocked and placing these orders. In addition, individual department supervisors will soon begin working on their annual report summaries and selecting photos for their sections as part of the 2024 annual report.

**Advertising:**

While it is still very early in the planning stages for the 2025 advertising season, I am currently talking to account executives and media representatives to begin looking at various options for the advertising campaign next year and changes that will be implemented to the campaign especially as a result of the ongoing detections of invasive mosquitoes later in the season.

**MVCAC Public Relations Committee**

As part of the PR Committee standing charges, we have continued to work on brochures, policy fact sheets and other MVCAC materials that will be used as part of Leg day. I continue to be involved in the planning of our media training as part of our public relations symposium during the upcoming MVCAC annual conference in January 2025.