

Sacramento-Yolo
MOSQUITO & VECTOR
CONTROL DISTRICT

OCTOBER 15, 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
October 15, 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.

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 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

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 Authorization to Pay CalPERS Unfunded Liability in the Amount of \$2,250,000**
5. **Board Review and Consideration for Approval of Assistant Manager Employment Agreements**
6. **Board/Staff Reports and Requests**
7. **Adjournment**

MINUTES OF THE SEPTEMBER 17, 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
Charles Duty	Vice President	Sacramento County
Janell Darroch	Secretary	West Sacramento
Gar House		Winters
Jayna Karpinski-Costa		Citrus Heights
Robert McGarvey		Rancho Cordova
William Reisen		Yolo County
Staci Gardiner		Isleton
Marcia Mooney		Galt
Chris Barker		Davis
Craig Burnett		Folsom

*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
Kenny Harris	Fisheries Supervisor
Kevin Combo	Ecological Management Supervisor
Sarah Wheeler	Laboratory Director

*Appeared Remotely

Others Present:

N/A		
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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 Craig Burnett and seconded by Trustee Janell Darroch, 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, Abst: 0

- a. Minutes of the August 20, 2024, Board of Trustees Meeting
- b. Expenditures for August 2024
- c. District Investment Report for Period Ending June 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. None

3. Board Review and Discussion of the 2022-2023 District Audit

Justin Williams from MUN CPAs was on hand to review and present the FY22-23 District Audit. The audit was delayed due to numerous entries that needed to be identified and remedied. The changeover of District staff during the 22-23 fiscal year led to many of the errors. The District identified a number of planned fixes already being implemented so as not to delay future audits.

On a motion by Trustee Craig Burnett and seconded by Trustee Marcia Mooney, the Board voted to approve the 2022-2023 District Audit. The vote was taken by roll call and the motion passed by the following vote: Ayes: 11, Noes: 0, Abst: 0

4. Reports to the Board

Manager's Report:

The Manager briefly discussed mosquito and West Nile virus activity indicating that the season is coming to a close, but that we were still finding positives. He also gave an update on the front office remodel.

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:

Laboratory:

Sarah Wheeler provided an update on Mosquito abundance for *Culex tarsalis* and *Culex pipiens*. Populations have peaked for the season and is on the decline. As of 9/9/2024, 4,412 pools of *Culex pipiens* and *Culex tarsalis* were tested for West Nile virus, Saint Louis encephalitis virus, and western equine encephalitis virus. Of these, 47 pools from Sacramento and 51 pools from Yolo County were positive for WNV. In total, 343 dead birds were tested for West Nile virus, 55 of 287 were WNV-positive from Sacramento County and 4 of 56 were WNV-positive from Yolo County. A single chicken, sampled on 8/24/2024 from Knights Landing tested positive for WNV antibodies. Surveillance for *Aedes aegypti* and *Aedes albopictus* continues. *Aedes aegypti* are expanding their range and population density, but no *Aedes albopictus* have been detected thus far in 2024.

Ecological Control:

Ecological Management Department (ECO) supervisor Kevin Combo informed the Board on the progress of a Best Management Practices (BMP) project at H Pond (Yolo County). Kevin explained that the Eco Dept. in cooperation with H Pond management, disced approximately 200 ac. of wetland habitat to reduce the vegetation that mosquitoes use as harborage and disturb the eggs that are in the soil. Kevin advised the Board on the status of the Fall Flooding Program. Currently there are approximately 3000 acres that will flood up prior to October 1st. The majority of the early flood ups are on state and federal refuges. Kevin outlined the Bird Returns Program that is administered by The Nature Conservancy (TNC). Currently, approximately 2200 ac. are enrolled in the program, staff have had to treat 275 ac. in response to larval activity. Proponents of the program will reimburse the District 100% of the treatment costs. Lastly, Kevin apprised that the Ecological Management team is working on their fall brush cut projects and finishing up on any BMP excavation projects before the weather changes.

Biological Control:

Ken Harris provided an update on the fisheries department's activities through August. The report included information on the number of mosquitofish used and the acreage treated for the rice stocking program, which ended on August 7th. Additionally, he mentioned the progress with pond rehabilitation. The department has drained five ponds and has begun scraping and removing sediment with the help of the ecological management department. The department also received its first request of the season for fall flood-ups and has started to plant fish in those sources as they become available.

Larval and Adult Control:

Program Coordinator Marty Scholl discussed the control operations activity over the last month. Most rice is draining with very little left in North Winters, and South Yolo. VDCI treated all season and will be wrapping up shortly with maybe 1 or 2 more flights assuming the weather is conducive. The fall flooding of rice fields for ducks has started with drone and aerial applications being done to control the mosquito populations. The Pastures irrigations, and wetland summer irrigations are continuing. Yellowjackets in Sacramento County are starting to pick up and crews should continue to go out until the last week of September. The *Aedes* crew are seeing the areas of south Natomas and east Winters with the highest populations and these areas are being targeted for WALs and door to door treatments. A new area of Laguna Creek in north Elk Grove has also been identified.

5. Board Review and Consideration to Purchase Tractor not to Exceed \$100,000

General Manager Gary Goodman presented a proposal to purchase a new tractor that would be used by both the Fisheries and the Ecological Management departments. The item was discussed and the proposals were reviewed. A motion was made by Trustee Craig Burnett and seconded by Trustee Janell Darroch to approve the purchase. The vote was taken by roll call and the motion passed by the following vote: Ayes: 11, Noes: 0, Abst: 0.

6. Board Review and Consideration to Conduct Public Outreach Survey not to Exceed \$27,000

General Manager Gary Goodman presented a proposal to use an outside vendor to conduct a public outreach survey. The survey would consist of questions created by the District with guidance from the vendor, those questions would then be disseminated throughout Yolo and Sacramento County residents to get a up to date data on the public's awareness and knowledge of our Districts programs. The item was discussed, and the proposals were reviewed. A motion was made by Trustee Craig Burnett and seconded by Trustee Staci Gardiner to approve the public outreach survey. The vote was taken by roll call and the motion passed by the following vote: Ayes: 11, Noes: 0, Abst: 0.

7. Board Review and Consideration of Contract with Enterprise to Lease District Vehicles

General Manager Gary Goodman presented information explaining the Enterprise Fleet Management lease program. The item was discussed by the Board and the options were evaluated. A motion was made by Trustee Janell Darroch and seconded by Trustee Marcia Mooney to approve the purchase. The vote was taken by roll call and the motion passed by the following vote: Ayes: 11, Noes: 0, Abst: 0.

8. Status of West Nile Virus Activity and District Response

General Manager Gary Goodman highlighted the information in the Board packet on the current season of West Nile and comparisons to last year. Information only. No Board action.

9. Closed Session-Significant Exposure to Litigation Pursuant to (Gov. Code 54956.9(b)): (1 Matter)

The Board adjourned the regular meeting to go into closed session at 11:25am. District Counsel, Jeni Buckman reported out of closed session at 11:34 with direction given to the General Manager Gary Goodman to settle the claim discussed.

The Board reconvened the regular meeting at 11:34am.

10. Board/Staff Reports and Requests / General Discussion

District staff is planning to investigate joining a JPA with Sourcewell that would allow for easier contracting projects in the future. A resolution for the Board will be presented at the next meeting. The District will also be presenting another discretionary payment to the CalPERS unfunded liability in October. The Assistant Managers contracts are due to expire at the end of the year and an amendment will be brought before the Board for consideration. Staff is investigating a project to build a new storage facility on the Elk Grove property to house our growing fleet.

6. ADJOURNMENT

The meeting adjourned at 11:51 a.m.

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the September 17, 2024, meeting.

Lisa Pelletier, Administrative Manager

Approved as written and/or corrected by the Board of Trustees at the October 15, 2024, meeting.

Janell Darroch, Board Secretary

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

	Jul - Sep 24	Budget	\$ Over Budget
Ordinary Income/Expense			
Income	992,621.46	20,718,525.00	-19,725,903.54
Gross Profit	992,621.46	20,718,525.00	-19,725,903.54
Expense			
5000 · SALARIES/BENEFITS/WC	5,623,831.69	12,519,219.00	-6,895,387.31
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	23,729.08	100,000.00	-76,270.92
5310 · PUBLIC INFORMATION	64,547.45	700,000.00	-635,452.55
5340 · STRUCTURE & GROUNDS	19,128.17	150,000.00	-130,871.83
5370 · MEMBER/TRAINING	37,251.72	167,500.00	-130,248.28
5390 · DISTRICT OFFICE EXPENS...	3,689.87	25,000.00	-21,310.13
5430 · PROFESSIONAL SERVICES	73,390.80	341,000.00	-267,609.20
5440 · MATERIALS & SUPPLIES	4,119.87	16,000.00	-11,880.13
5450 · RENTS & LEASES	2,391.53	712,000.00	-709,608.47
5470 · SAFETY PROGRAM	815.78	5,000.00	-4,184.22
5480 · UTILITIES	31,850.44	125,000.00	-93,149.56
6120 · AIRCRAFT SERVICES	434,766.12	1,179,000.00	-744,233.88
6140 · ECOLOGICAL MANAGEME...	1,216.64	23,000.00	-21,783.36
6160 · MICROBIAL	652,495.92	1,200,000.00	-547,504.08
6170 · BIORATIONALS	637,825.16	1,200,000.00	-562,174.84
6180 · INSECTICIDES	891,780.93	900,000.00	-8,219.07
6220 · FISHERIES	23,374.65	35,000.00	-11,625.35
6280 · GEOGRAPHIC INFO SYSTE...	0.00	9,000.00	-9,000.00
6320 · INFORMATION TECHNOLO...	129,197.58	130,000.00	-802.42
6350 · CONTROL OPERATIONS	12,427.95	55,000.00	-42,572.05
6370 · SHOP DEPT	40,393.81	159,500.00	-119,106.19
6420 · LAB SERVICES	47,658.09	204,000.00	-156,341.91
6450 · GAS & PETROLEUM	81,031.07	210,000.00	-128,968.93
Total 5200 · OPERATIONAL	3,518,035.81	7,975,493.00	-4,457,457.19
66000 · Payroll Expenses	11,883.04		
Total Expense	9,153,750.54	20,494,712.00	-11,340,961.46
Net Ordinary Income	-8,161,129.08	223,813.00	-8,384,942.08
Other Income/Expense			
Other Expense			
Sales Tax	0.00		
Shipping	0.00		

	Jul - Sep 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	60.00		
Total Other Expense	154,795.18	755,000.00	-600,204.82
Net Other Income	-154,795.18	-755,000.00	600,204.82
Net Income	-8,315,924.26	-531,187.00	-7,784,737.26

7:41 AM

Sacramento-Yolo Mosquito and Vector Control District

10/09/24

Check Register

Accrual Basis

September 2024

Num	Date	Name	Credit	Type
Sep 24				
58840	09/04/2024	Advance Auto Parts	103.62	Bill Pmt -Check
58841	09/04/2024	AutoZone, Inc.	569.63	Bill Pmt -Check
58842	09/04/2024	Barnes Welding	3,226.95	Bill Pmt -Check
58843	09/04/2024	Clarke Mosquito Control Produc...	46,010.25	Bill Pmt -Check
58844	09/04/2024	Cleanit Maintenance Systems L...	2,995.00	Bill Pmt -Check
58845	09/04/2024	Elk Grove Water District	564.39	Bill Pmt -Check
58846	09/04/2024	Factory Motor Parts Co	162.75	Bill Pmt -Check
58847	09/04/2024	Hippensteel Group	2,943.75	Bill Pmt -Check
58848	09/04/2024	Hunt & Sons Inc	2,712.36	Bill Pmt -Check
58849	09/04/2024	Maita Chevrolet	105.84	Bill Pmt -Check
58850	09/04/2024	O'Reilly Automotive, Inc.	629.36	Bill Pmt -Check
58851	09/04/2024	Pitney Bowes Global Financial ...	262.03	Bill Pmt -Check
58852	09/04/2024	Sheldon Feed & Supply	458.00	Bill Pmt -Check
58853	09/04/2024	Stericycle, Inc.	93.44	Bill Pmt -Check
58854	09/04/2024	United Textile Inc	2,412.63	Bill Pmt -Check
58855	09/04/2024	Vector Disease Control Internati...	54,191.66	Bill Pmt -Check
58856	09/05/2024	Top Rank Heating Air Condition...	3,350.00	Bill Pmt -Check
58859	09/06/2024	Airgas USA, LLC	89.16	Bill Pmt -Check
58860	09/06/2024	Azelis - Adapco Inc	71,764.09	Bill Pmt -Check
58861	09/06/2024	Cintas Corporation	4,490.15	Bill Pmt -Check
58862	09/06/2024	City of Woodland	558.26	Bill Pmt -Check
58863	09/06/2024	Clarke Mosquito Control Produc...	46,332.00	Bill Pmt -Check
58864	09/06/2024	Consolidated Communications	2,287.94	Bill Pmt -Check
58865	09/06/2024	Factory Motor Parts Co	136.84	Bill Pmt -Check
58866	09/06/2024	Farm Air Flying Service	79,921.60	Bill Pmt -Check
58867	09/06/2024	GreatAmerica Financial Services	483.35	Bill Pmt -Check
58868	09/06/2024	Hunt & Sons Inc	4,810.51	Bill Pmt -Check
58869	09/06/2024	Maita Chevrolet	99.52	Bill Pmt -Check
58870	09/06/2024	RKL eSolutions, LLC	100.00	Bill Pmt -Check
58871	09/06/2024	Valley Fire & Security	69.50	Bill Pmt -Check
58872	09/09/2024	Factory Motor Parts Co	645.66	Bill Pmt -Check
58873	09/09/2024	Ferrellgas	29.03	Bill Pmt -Check
58874	09/09/2024	Goodman, Gary W.	535.00	Bill Pmt -Check
58875	09/09/2024	Grow West	157.35	Bill Pmt -Check
58876	09/09/2024	Kimball Midwest	95.77	Bill Pmt -Check
58877	09/09/2024	Target Specialty Products	42,685.50	Bill Pmt -Check
58878	09/09/2024	Waste Management C & R, Inc.	256.35	Bill Pmt -Check
58879	09/12/2024	Buckmaster Office Solutions	186.08	Bill Pmt -Check
58880	09/12/2024	Hunt & Sons Inc	3,078.13	Bill Pmt -Check
58881	09/12/2024	MacLeod Watts, Inc.	9,080.00	Bill Pmt -Check
58882	09/12/2024	Stericycle, Inc.	127.21	Bill Pmt -Check
58883	09/12/2024	Veseris - ES Opco USA LLC	59,775.13	Bill Pmt -Check
58889	09/12/2024	Western Health Advantage	1,222.42	Bill Pmt -Check
58890	09/13/2024	Airgas USA, LLC	93.57	Bill Pmt -Check
58891	09/13/2024	Aleshire & Wynder, LLP	180.69	Bill Pmt -Check
58892	09/13/2024	Barnes Welding	2,821.71	Bill Pmt -Check
58893	09/13/2024	Clarke Mosquito Control Produc...	9,760.32	Bill Pmt -Check
58894	09/13/2024	Hunt & Sons Inc	1,530.84	Bill Pmt -Check
58895	09/13/2024	Maita Chevrolet	43.99	Bill Pmt -Check
58896	09/13/2024	PG & E	16.29	Bill Pmt -Check
58900	09/18/2024	BKS Law Firm, PC	3,930.00	Bill Pmt -Check
58901	09/18/2024	Clarke Mosquito Control Produc...	46,653.75	Bill Pmt -Check
58902	09/18/2024	Factory Motor Parts Co	13.62	Bill Pmt -Check
58903	09/18/2024	Hunt & Sons Inc	6,694.64	Bill Pmt -Check
58904	09/18/2024	Maita Chevrolet	180.18	Bill Pmt -Check
	09/18/2024	NW Mosquito and Vector Contr...		Bill Pmt -Check
58906	09/23/2024	ArcSource	1,346.20	Bill Pmt -Check
58907	09/23/2024	Azelis - Adapco Inc	71,764.09	Bill Pmt -Check
58908	09/23/2024	Barnes Welding	1,652.43	Bill Pmt -Check
58909	09/23/2024	Clarke Mosquito Control Produc...	67,824.90	Bill Pmt -Check
58910	09/23/2024	Farm Air Flying Service	35,786.88	Bill Pmt -Check
58911	09/23/2024	Factory Motor Parts Co	51.85	Bill Pmt -Check
58912	09/23/2024	Hunt & Sons Inc	1,687.85	Bill Pmt -Check
58913	09/23/2024	Kimball Midwest	517.78	Bill Pmt -Check
58914	09/23/2024	Maita Chevrolet	446.64	Bill Pmt -Check
58915	09/23/2024	Alhambra & Sierra Springs	90.43	Bill Pmt -Check
58916	09/23/2024	Clarke Mosquito Control Produc...	92,020.50	Bill Pmt -Check

7:41 AM

Sacramento-Yolo Mosquito and Vector Control District

10/09/24

Check Register

Accrual Basis

September 2024

Num	Date	Name	Credit	Type
58917	09/23/2024	Kingsley Bogard, LLP	3,869.50	Bill Pmt -Check
58919	09/24/2024	Clarke Mosquito Control Produc...	52,234.13	Bill Pmt -Check
58920	09/24/2024	Holt Ag Solutions	99,997.21	Bill Pmt -Check
58921	09/24/2024	Leading Edge Aerial Technologi...	39,560.00	Bill Pmt -Check
58922	09/24/2024	PG & E	1,963.22	Bill Pmt -Check
58925	09/27/2024	Barnes Welding	1,418.62	Bill Pmt -Check
58926	09/27/2024	Buckmaster Office Solutions	98.26	Bill Pmt -Check
58927	09/27/2024	Clear Channel Outdoor	15,000.00	Bill Pmt -Check
58928	09/27/2024	Crossings TV	4,905.44	Bill Pmt -Check
58929	09/27/2024	Hunt & Sons Inc	3,698.39	Bill Pmt -Check
58930	09/27/2024	KQCA My58	27,565.00	Bill Pmt -Check
58931	09/27/2024	Maita Chevrolet	175.29	Bill Pmt -Check
58932	09/27/2024	Republic Services #922	356.16	Bill Pmt -Check
58933	09/27/2024	Safety Kleen Systems, Inc.	2,107.29	Bill Pmt -Check
58934	09/27/2024	Spark Creative Design	1,015.75	Bill Pmt -Check
58935	09/27/2024	Verizon Wireless	3,006.80	Bill Pmt -Check
58936	09/27/2024	Veseris - ES Opco USA LLC	91,789.26	Bill Pmt -Check
58897	09/16/2024	Garcia, Catalina	76.13	Check
58898	09/16/2024	Top Rank Heating Air Condition...	25.00	Check
58899	09/16/2024	Marti Towery	16.80	Check
58905	09/18/2024	NW Mosquito and Vector Contr...	250.00	Check
58918	09/24/2024	Goodman, Gary W.	1,484.42	Check
Sep 24			<u>1,145,530.03</u>	



**Sacramento-Yolo
MOSQUITO & VECTOR
CONTROL DISTRICT**

MAILING ADDRESS

8631 BOND ROAD
ELK GROVE, CA 95624

1.800.429.1022
FIGHTtheBITE.net

Gary Goodman, MANAGER

2023 BOARD OF TRUSTEES

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RANCHO CORDOVA

GAR HOUSE
WINTERS

Mr. Bart McDermott

October 1st, 2024

Stone Lakes National Wildlife Refuge

U.S. Fish and Wildlife "Service"

1624 Hood Franklin Road

Elk Grove, CA 95758

Dear Mr. McDermott,

The Sacramento Yolo Mosquito and Vector Control District ("District") is submitting the anticipated 2025 Annual Operating Plan (Plan)* for monitoring and control of mosquito populations and mosquito-borne viral activity on lands managed by the U.S. Fish and Wildlife Service ("Service") on the Stone Lakes National Wildlife Refuge ("Refuge") or properties thereof, pursuant to Section 8 of the Memorandum of Understanding ("MOU") between the "Service" and the Sacramento-Yolo Mosquito and Vector Control District.

STONE LAKES NATIONAL WILDLIFE REFUGE ANNUAL OPERATING PLAN (MOSQUITO CONTROL)

Year 2025

Access Requirements

The District will require access to all areas of Refuge properties to ensure comprehensive and integrated mosquito control. The District will continue to coordinate with “Service” staff to identify areas of concern to avoid negatively affecting sensitive resources.

Monitoring and Surveillance Programs

Pursuant to the District’s Mosquito and Mosquito-borne Disease Management Plan (MMP)*, the monitoring methods will consist of larval sampling, utilization of adult mosquito traps such as but not limited to: BG Sentinel, Encephalitis virus surveillance (“EVS”), Gravid, and other adult traps, as well as leg counts, sentinel chicken sera testing, and dead bird monitoring. Using these methods will enable the District to quantify mosquito prevalence in and around the Refuge, as well as identify when virus activity, particularly West Nile virus (“WNV”) is present. In addition, the District asks for the help and support of the “Service” to monitor any unusual bird die-offs that may occur on the Refuge. As WNV is firmly established in the Sacramento Valley, help and assistance by the “Service” in identifying any such bird die-offs may help provide an early warning system to address WNV positive mosquitoes and potential breeding sites in the area of concern.

Genus and Species Thresholds

The District currently uses the larval density of 0.1 mosquito larva per 350 ml. dipper of water to initiate a larval control response. This threshold reduces nuisance levels of adult mosquitoes and has historically prevented the transmission of disease to the surrounding public. Adult mosquito thresholds are generally determined by historical levels of adult mosquitoes in the area. The District has established a standard goal of keeping *Culex sp.* female mosquitoes below threshold levels of 10 per light trap night or 100 per carbon dioxide (CO₂) baited trap per night when virus has not been detected. When virus activity is detected, these thresholds are significantly reduced according to the District’s “MMP”. When adult mosquitoes meet or exceed these established thresholds it may be necessary to implement an adulticide program to reduce adult mosquitoes to acceptable levels and to reduce or break the viral transmission cycle.

Non-invasive or nuisance genus *Aedes sp.* adult mosquitoes are generally determined by landing (leg) and adult trap counts. Landing count thresholds are generally reached when two or more non-invasive *Aedes sp.* land on an individual during a one-minute time interval. When adult mosquitoes meet or exceed tolerable levels, the District may initiate adult mosquito control activities.

The District has a zero-tolerance threshold for any larval or adult invasive *Aedes* *sp.* mosquitoes. Upon detection, the District may initiate additional surveillance and wide area larval or adult treatments in nearby affected residential and urban areas.

Physical, Cultural, Biological, and Chemical Control

The District uses an Integrated Pest Management (“IPM”) approach when controlling mosquitoes or other vectors. For additional details and document downloads in regards to the District’s “IPM” program, please visit the District’s website at <https://www.fightthebite.net/programs/integrated-pest-management/>

Physical/Cultural and Environmental Manipulation

The District will continue to pursue water and vegetation Mosquito Reducing Best Management Practices (“BMPs”) and techniques to help minimize larval development and prevent adult emergence wherever possible. Drawing on previous work by the Central Valley Joint Venture Working Group, the District has compiled a list of potential BMPs for a variety of land uses including managed wetlands, riparian areas, and irrigated agricultural fields. The District’s Ecological Management Department will continue to work to evaluate and assess the efficacy of these BMPs on the Refuge to ensure that mosquito populations can continue to be reduced by physical/cultural and environmental manipulation practices.

At the beginning of the mosquito season, the District and “Service” staff will review the Refuge’s annual management plans and flooding schedules and make recommendations to reduce or eliminate mosquito breeding sites by implementing mosquito reducing BMPs.

For more information regarding the District’s Mosquito Reducing Best Management Practices, please visit the District’s website at: <https://www.fightthebite.net/wp-content/uploads/2018/03/symvcd-bmp-manual-english.pdf>

Biological Control

The District’s Fisheries Department utilizes mosquitofish (*Gambusia affinis*) to augment our biological and chemical control program in appropriate bodies of water that will sustain mosquitofish populations. These biological control measures are used in areas that may be potential breeding sites for immature mosquito development or where chemical control is not practicable.

Chemical Control

Based on the District's (MMP), the District will utilize registered public health pesticides to control mosquito populations where environmental manipulation and biological control are not feasible. The District's first choice of materials will continue to be larvicides, with a particular focus on *Bacillus* based products and other insect growth regulators. The District will communicate with "Service" staff when Spinosad-based products must be utilized. Continued communication and coordination with "Service" staff will ensure the use of products that minimize impacts on important resources.

Larval Control Products (singular or in combination)

Bacillus thuringiensis israelensis (Bti)-All formulations

Bacillus sphaericus-All formulations

Methoprene -All formulations

Spinosad-All formulations

Larviciding/Mineral Oils

Adult Control Products

Pyrethroids –All liquid formulations

Pyrethrins –All liquid formulations

Malathion -All liquid formulations

A list of individual product labels will be provided before the start of the mosquito season for the Refuge to submit individual Pesticide Use Proposals (PUPs).

UAS (Drone) Operations

The District may utilize unmanned aircraft systems (UAS) units to provide aerial imagery, support, analysis, and localized treatments to improve the efficiency and efficacy of District operations. Any UAS use over Refuge lands will be pre-authorized and approved by Refuge and USFWS Management and will only be used aiding in mosquito control operations.

Communication/Projection of Control Measures

All applications of registered public health pesticides are governed by the label, and to some degree meteorological and environmental conditions. While the District cannot determine the exact time or day when mosquitoes reach levels that warrant control measures, the District is determined to maintain the level of communication with "Service" staff to maximize our efforts moving forward.

Notifying the District prior to flooding or irrigation events minimizes the potential for conflict. The District will continue to inform “Service” staff when control activities involving adulticiding or the use of aerial applications are necessary. This type of open communication will enhance the operations, coordination, and effectiveness of both our agencies.

Reporting

The District will continue to generate and submit annual activity reports and subsequent maps detailing all treatments made on “Service” properties during the 2025 season as well as submitting weekly trapping data. The District will provide any additional information upon the request of the “Service”.

Avoidance

The District will continue to coordinate with “Service” staff to minimize any disturbances on the 457 ac. Lewis Property between the dates of October 15th through February 15th and around all Refuge wetland complexes between the dates of September 1st and April 1st when Sandhill Cranes (*Grus canadensis*) are typically present on the property. The District will avoid these areas before 9am (unless instructed otherwise). The District will collaborate with the “Service” to limit disturbances during the time-frame mentioned; however, if above-average temperatures, excessive mosquito populations that emanate from the area, and/or the presence of WNV in or around the property are detected, the District may need to extend mosquito surveillance and control measures into these timeframes. The District will coordinate in advance with "Service" staff to minimize any potential impact from conducting control activities inside of the avoidance dates.

Please contact me at 916-685-1022 Ext. 2059 if you have any questions, comments or require any additional information.

Sincerely,

Gary Goodman

District Manager



TOMÁS J. ARAGÓN, M.D., Dr.P.H.
Director and State Public Health Officer

State of California—Health and Human Services Agency
California Department of Public Health



GAVIN NEWSOM
Governor

October 2, 2024

TO: Agencies Signatory to the Cooperative Agreement with the California Department of Public Health

SUBJECT: COOPERATIVE AGREEMENT WITH THE DEPARTMENT OF PUBLIC HEALTH

Please find enclosed a copy of the Cooperative Agreement between local agencies applying pesticides for public health purposes and the California Department of Public Health. The current Cooperative Agreement between our agencies shall expire on December 31, 2024. If your agency is interested in renewing this Cooperative Agreement for another year (through December 31, 2025), please return the enclosed form by December 31, 2024 to the Vector-Borne Disease Section (VBDS). Include the agency manager's signature in the appropriate space and the operator ID and/or license number to be listed on Monthly Summary Pesticide Use Reports (PR-ENF-060) for 2025. Please send to:

DEPARTMENT OF PUBLIC HEALTH
CDPH – Vector Borne Disease Section
850 Marina Bay Parkway
Richmond, CA 94804

If you prefer to email your signed agreement, please email Margaret Kerrigan:
MargaretC.Kerrigan@cdph.ca.gov.

VBDS will endorse the Cooperative Agreement and return a copy to your agency immediately. If your agency is not interested in continuing the Cooperative Agreement, please notify VBDS as soon as possible.

Thank you for your cooperation in this matter. If you require additional information or clarification, please contact your VBDS regional office or the Sacramento headquarters at (916) 552-9730.

Vicki L. Kramer, Ph.D., Chief
Vector-Borne Disease Section

Enclosure



COOPERATIVE AGREEMENT

(PURSUANT TO SECTION 116180, HEALTH AND SAFETY CODE)

Date _____

This Agreement between the California Department of Public Health and

(name and address of local vector control agency)

is effective on January 1, 2025 or on the subsequent date shown above, and expires December 31, 2025. It is subject to renewal by mutual consent thereafter.

Operator ID and/or license number to be listed on Monthly Summary Pesticide Use Reports (PR-ENF-060) for 2025:

Operator ID # _____ License # _____

This agreement may be canceled for cause by either party by giving 30 days advance notice in writing, setting forth the reasons for the termination.

Part I. Pesticides

The vector control agency named herein agrees:

1. To calibrate all application equipment using acceptable techniques before using, and to maintain calibration records for review by the County Agricultural Commissioner.
2. To seek the assistance of the County Agricultural Commissioner in the interpretation of pesticide labeling.
3. To maintain for at least two years for review by the County Agricultural Commissioner a record of each pesticide application showing the target vector, the specific location treated, the size of the source, the formulations and amount of pesticide used, the method and equipment used, the type of habitat treated, the date of the application, and the name of the applicator(s).
4. To submit to the County Agricultural Commissioner each month a Pesticide Use Report, on Department of Pesticide Regulation form PR-ENF-060. The report shall include the manufacturer and product name, the EPA registration number from the label, the amount of each pesticide used, the number of applications of each pesticide, and the total number of applications, per county, per month.
5. To report to the County Agricultural Commissioner and the California Department of Public Health, in a manner specified, any conspicuous or suspected adverse effects upon humans, domestic animals and other non-target organisms, or property from pesticide applications.
6. To require appropriate certification of its employees by the California Department of Public Health in order to verify their competence in using pesticides to control pest and vector organisms, and to maintain continuing education unit information for those employees participating in continuing education.
7. To be inspected by the County Agricultural Commissioner on a regular basis to ensure that local agency activities are in compliance with state laws and regulations relating to pesticide use.

Part II. Environmental Modification

The vector control agency named herein agrees:

To comply with requirements, as specified, of any general permit issued to the California Department of Public Health as the lead agency, pertaining to physical environmental modification to achieve pest and vector prevention.

For California Department of Public Health

For Local Agency

Vicki Kramer, Ph.D.
Chief, Vector-Borne Disease Section

Print Name and Title

Signature

Sacramento-Yolo Mosquito and Vector Control District

October 15, 2024 Board Meeting

1. Items for Approval by General Consent:

e. Board Consideration to Join Sourcewell Membership for Procurement Services

Staff Report:

Sourcewell is a government organization that facilitates cooperative purchasing for public agencies, educational institutions, and nonprofit organizations across the United States and Canada. Membership with Sourcewell is free and there are no charges or requirements to use their services or contracts. Sourcewell allows its members to access pre-negotiated contracts with suppliers, which can simplify and expedite the procurement process for goods and services. Sourcewell has already vetted and negotiated terms with vendors which eliminates the need for individual entities like the District to go through the complex bidding processes. Joining Sourcewell membership would be a benefit to the District by streamlining purchases utilizing Sourcewell pre-negotiated contracts that have already been established with suppliers at competitive pricing. Sourcewell contracts are vetted to be compliant with local state and national purchasing regulations for government institutions. The Sourcewell program offers services of procurement in a wide variety of areas such as construction contracting, technology and equipment, general repairs, and PPE products.

Joining Sourcewell represents an opportunity for the Sacramento-Yolo Mosquito and Vector Control District to enhance its procurement efficiency, achieve cost savings, and maintain regulatory compliance.

Listed below are examples of other government entities that currently use Sourcewell services for procurement.

City of San Mateo
City of Walnut Creek
City of Victorville
City of Long Beach
Contra Costa County
Sacramento County
Butte County

City of Hayward
City of Dixon
City of Santa Barbara
City of Irvine
San Francisco County
San Mateo County
Santa Clara County

Recommendation:

Adopt the attached resolution and authorize the Manager to engage with Sourcewell on establishing a District membership.

RESOLUTION NO. 241015

**A RESOLUTION OF THE BOARD OF TRUSTEES OF THE
SACRAMENTO-YOLO MOSQUITO AND VECTOR CONTROL DISTRICT
AUTHORIZING THE DISTRICT TO ENTER INTO A JOINT EXERCISE OF POWERS
WITH SOURCEWELL AND TO PARTICIPATE IN
SOURCEWELL'S COOPERATIVE PURCHASING PROGRAM**

WHEREAS, the California Government Code authorizes the governing bodies of two or more public agencies to come to an agreement to jointly exercise any power common to the contracting agencies (Gov. Code, § 6502); and,

WHEREAS, the California Government Code allows one or more of the contracting agencies to be located outside the state of California (*Ibid*); and,

WHEREAS, Sourcewell is a local government unit, public corporation and public agency pursuant to the Minnesota Statute section 123A.21, which meets the definition of a public agency under California Government Code section 6500; and,

WHEREAS, the District and Sourcewell both hold purchasing powers; and,

WHEREAS, Sourcewell provides a cooperative purchasing program which will provide the District the opportunity to access competitively awarded and nationally leveraged cooperative purchasing contracts for construction services; and,

WHEREAS, Sourcewell utilizes ezIQC, a unique indefinite delivery, indefinite quantity procurement process that achieves competitively bid pricing and eliminates the need for members to separately bid each project in order to comply with formal competitive bidding requirements; and,

WHEREAS, although the District is not subject to formal competitive bidding requirements, pursuant to California Health and Safety Code section 2000 et seq., District staff have determined that Sourcewell offers competitive pricing, and the joint exercise of powers with Sourcewell will allow the District to realize cost savings and to complete projects for the repair, alteration, modernization, and rehabilitation of infrastructure and buildings in an accelerated timeframe.

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

The Board authorizes the General Manager to enter into an agreement to exercise powers jointly with Sourcewell, and to take such other and further steps as may be necessary to enable the District to participate in Sourcewell's cooperative purchasing program.

PASSED AND ADOPTED by the Board of Trustees of the Sacramento-Yolo Mosquito and Vector Control District on the ____ day of October 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 Octoberr, 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

October 15, 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 District's West Nile season is almost over. We typically only see a few positives throughout October and then will cease testing operations over the winter. Staff is following the Mosquito Borne Disease Management Plan to help respond to the remaining positive locations when the weather allows.

We are continuing to address our *Aedes* detections. All of our detections are being handled with increased surveillance, door to door inspections, and both larvicide and adulticide treatments where feasible. We anticipate that the behavior of the *Aedes* mosquito will slow down significantly as the weather cools. We have been in negotiations with various companies that want to provide sterile males to the District to control our *Aedes* populations. We will be evaluating these options and bring back to the Board an option if a reasonable one materializes.

The District is working with our benefit broker, Alliant, on open enrollment healthcare rates.

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)**

LABORATORY

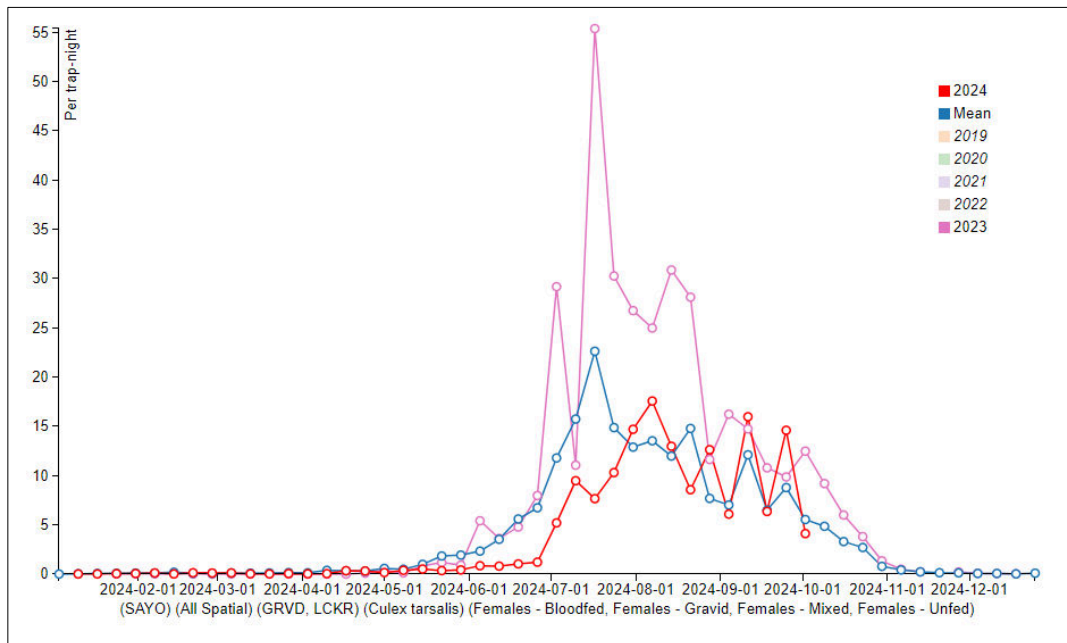
Monthly Report, October 2024 Board Meeting

Insectary:

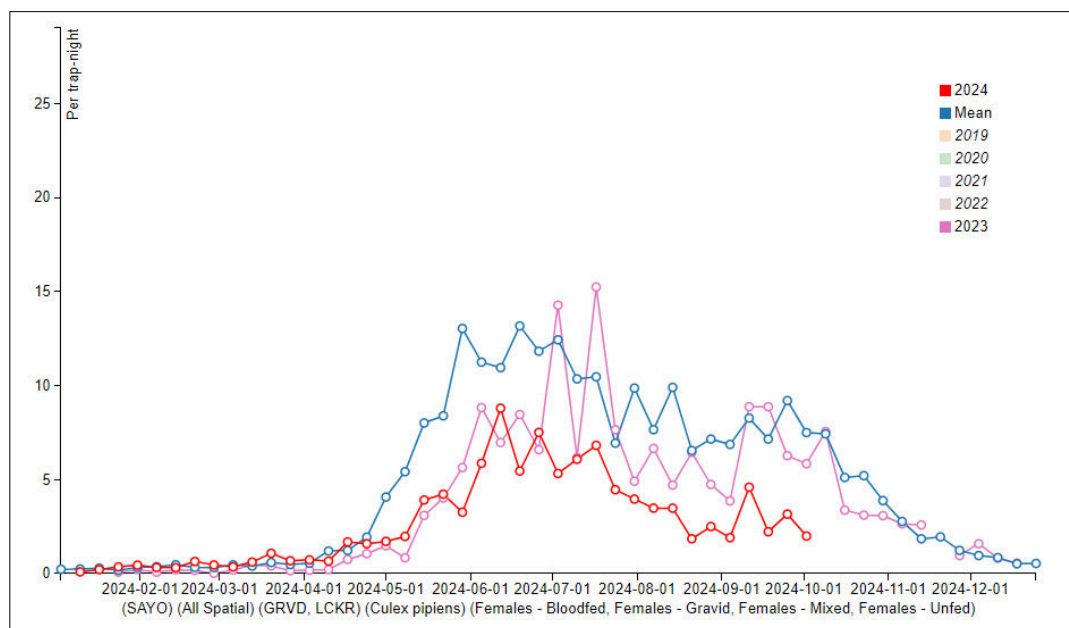
Species	Name	Origin	Resistance Status
<i>Culex tarsalis</i>	KNWR	Kern National Wildlife Refuge (2009)	susceptible
<i>Culex quinquefasciatus</i>	CQ1	Merced, CA (1950s)	susceptible
<i>Culex pipiens</i>	WCP	Woodland, CA (2023)	resistant: pyrethrins/pyrethroids, methoprene, and spinosad
<i>Culex tarsalis</i>	VFCT	Vic Fazio Yolo Wildlife Area (2020)	resistant: pyrethrins/pyrethroids
<i>Aedes sierrensis</i>		Sonoma County (2016)	susceptible

2024 Surveillance update through 10/8/2024

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.

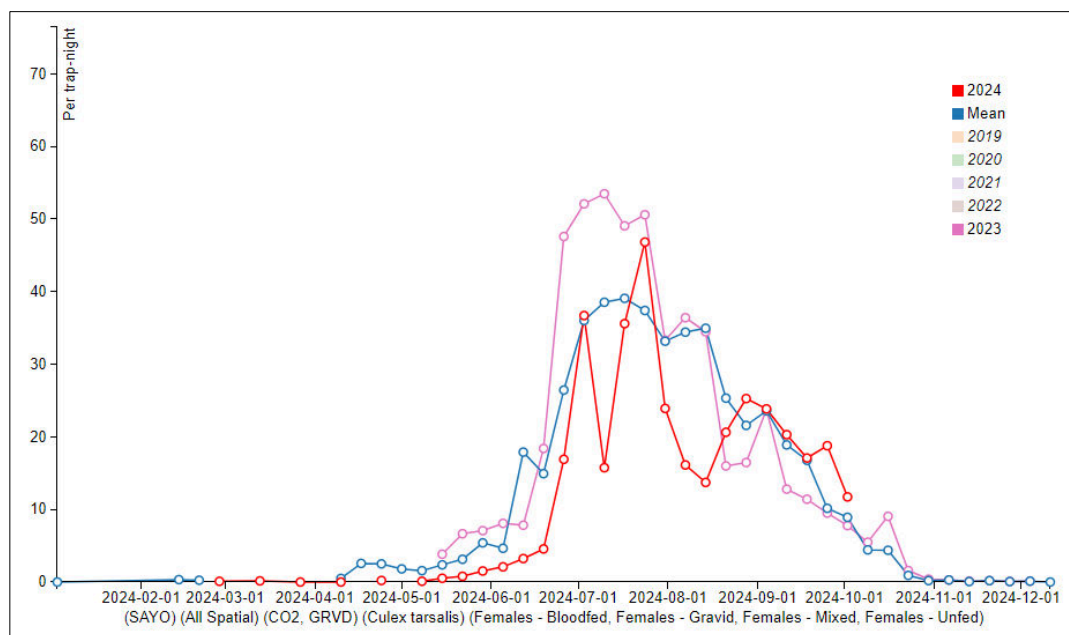


Culex tarsalis abundance in constant operation locker and gravid traps.

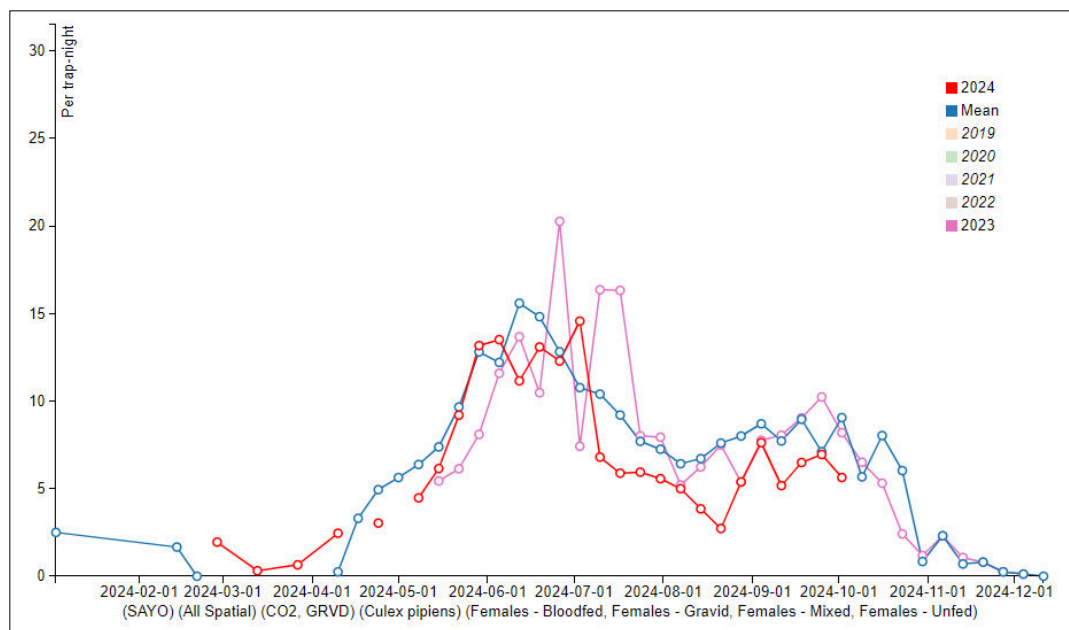


Culex pipiens abundance in constant operation locker and gravid traps.

Encephalitis Vector Surveillance (EVS) – The following graphs show the number of *Culex tarsalis* and *Culex pipiens* that were collected in CO₂-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).

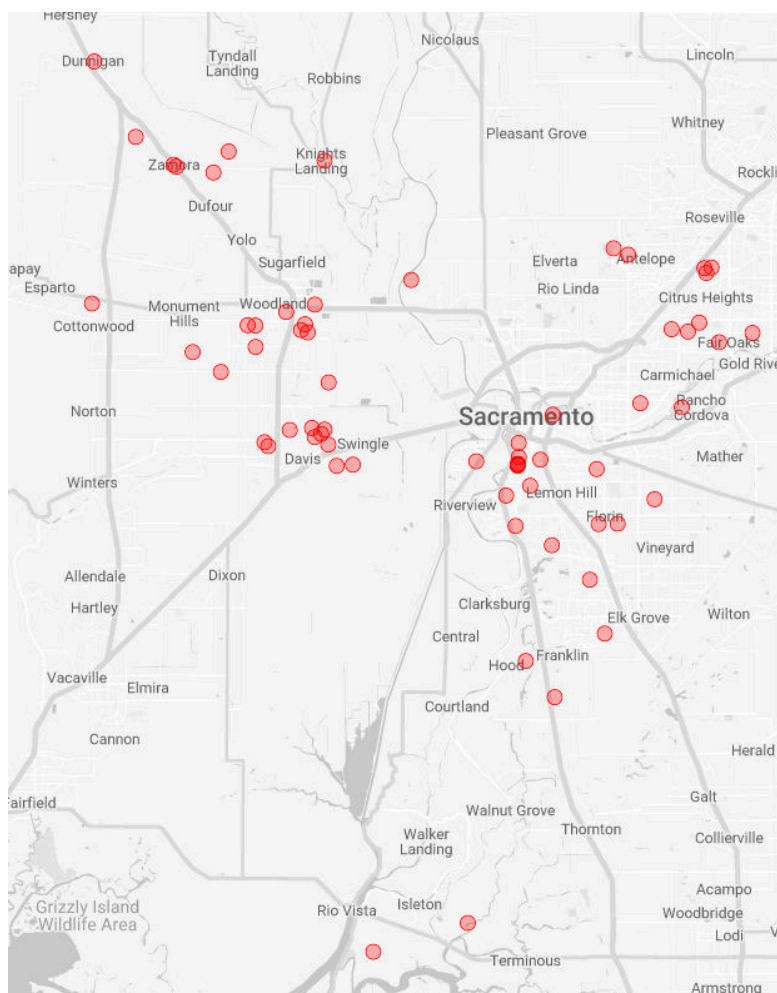


Culex tarsalis collected in EVS CO₂ and gravid traps



Culex pipiens collected in EVS CO2 and gravid traps

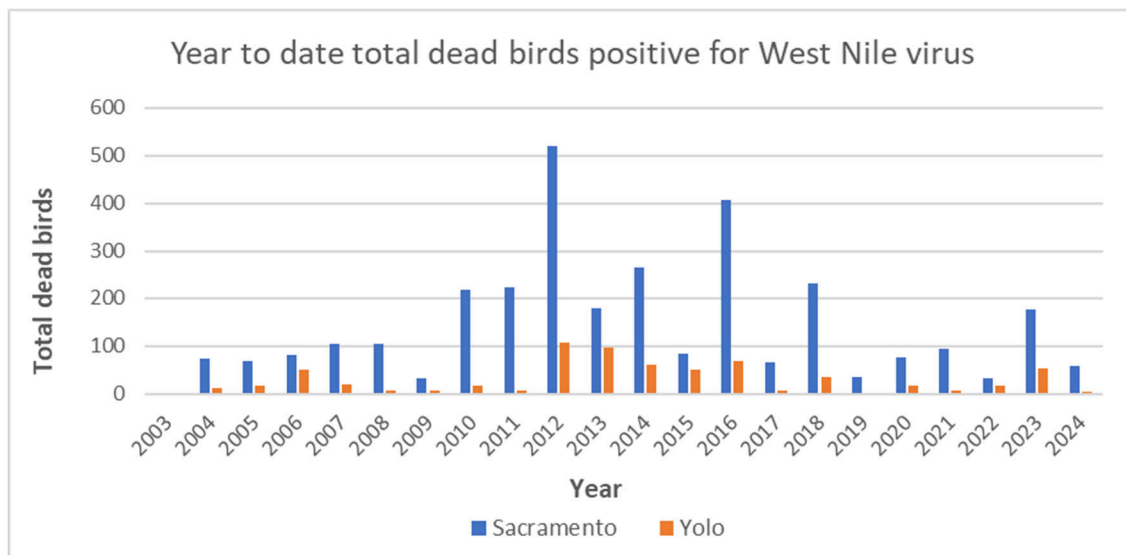
Mosquito testing - Thus far 5,418 pools of *Culex pipiens* and *Culex tarsalis* were tested for WNV, SLEV, and WEEV. Of these, 53 pools from Sacramento and 64 pools from Yolo County were positive for WNV.

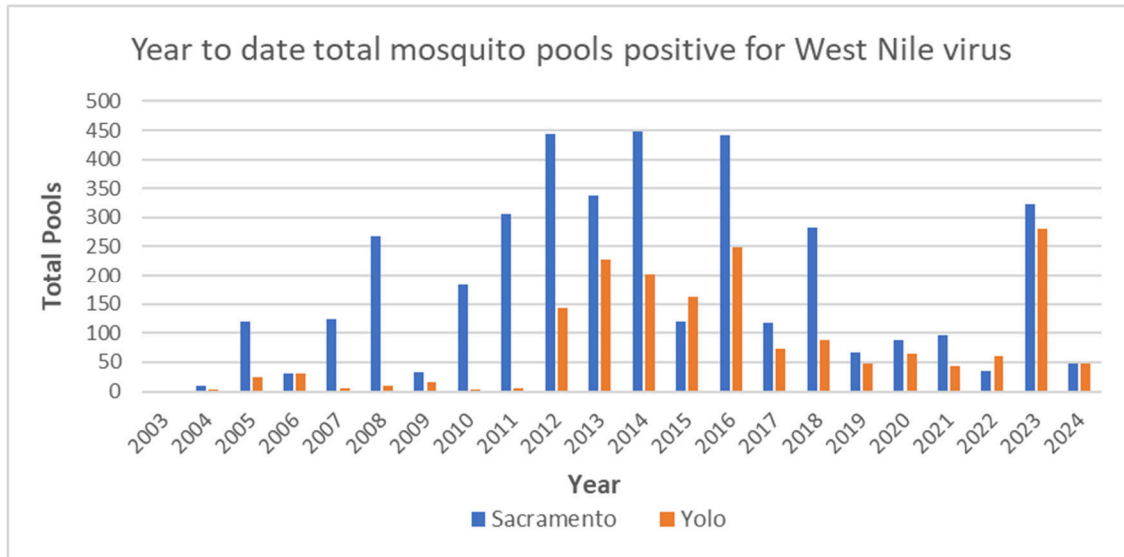


Cumulative 2024 WNV-positive mosquito pools

City	County	Trap nights	Total males and females collected	
			<i>Aedes aegypti</i>	<i>Aedes albopictus</i>
Carmichael	Sacramento	19	10	
Citrus Heights	Sacramento	56	18	
Elk Grove	Sacramento	160	60	
Elverta	Sacramento	5		
Fair Oaks	Sacramento	9		
Folsom	Sacramento	70	1	
Galt	Sacramento	24		
Gold River	Sacramento	8		
Isleton	Sacramento	10		
Mather	Sacramento	11		
North Highlands	Sacramento	2		
Orangevale	Sacramento	2		
Rancho Cordova	Sacramento	54	133	
Rancho Murieta	Sacramento	92	6	
Rio Linda	Sacramento	9		
Sacramento	Sacramento	1507	5293	
Walnut Grove	Sacramento	10		
Wilton	Sacramento	4		
Davis	Yolo	114	96	
West Sacramento	Yolo	110	89	
Winters	Yolo	625	1442	
Woodland	Yolo	74	65	

Updated WNV activity figures - The charts below highlight West Nile virus activity in dead birds and mosquito pools in Sacramento and Yolo Counties detected through week 36 since 2003.





Tick surveillance – Tick collection will resume in November 2024.

The California Arbovirus Surveillance Bulletin #26 Week 40 Friday, October 4, 2024

2023 & 2024 YTD West Nile Virus Comparisons		
	2023	2024
Total No. Dead Bird Reports	5,883	5,626
No. Positive Counties	41	31
No. Human Cases	205	74
No. Positive Dead Birds / No. Tested	743 / 1,764	488 / 1,644
No. Positive Mosquito Pools / No. Tested	4,223 / 47,331	1,904 / 42,024
No. Seroconversions / No. Tested	167 / 3,226	149 / 4,205

YTD WNV Activity by Element and County, 2024					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			52	20	1
Butte	11		4	70	28
Calaveras	1				
Colusa	1		1		2
Contra Costa	2		6	10	8
Fresno	11		1	207	
Imperial				3	
Kern	2			47	
Kings	5			87	
Lake			3	13	7
Los Angeles	6	1	16	177	36
Madera			1	108	
Merced	1		1	43	12
Nevada					1
Orange	1		1	42	
Placer		1	3	93	
Riverside	3		2	217	
Sacramento	3	1	65	53	1
San Bernardino	4		10	76	
San Diego	1	1	4		
San Joaquin	2	1	6	175	
San Mateo			31		
Santa Clara	3		271	33	
Shasta	1			37	2
Solano			2	13	5
Stanislaus	5			55	
Sutter				32	20
Tehama	1				6
Tulare				197	10
Yolo	6		6	64	3
Yuba	4	1	2	32	7
Totals	74	6	488	1,904	149

ECOLOGICAL MANAGEMENT DEPARTMENT

October 2024



The District recently purchased a 100hp MF 4710 tractor that will be utilized by the Ecological Management and Fisheries Departments. This tractor will replace the two existing tractors that will be phased out in accordance with California Air Resources Board (CARB) regulations in regards to emission compliance. This tractor comes equipped with a 12' Batwing mower that 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. With the 12' Batwing mower attachment, projects will be completed more efficiently and effectively allowing for the potential for additional BMP projects to be accomplished.

Ecological Management Projects

Serra Project (Sacramento County)

The Serra Wetland Complex is a managed wetland complex that is located southeast of the City of Elk Grove and borders Stone Lakes National Wildlife Refuge (SLNWR). This wetland complex is primarily used for waterfowl habitat and private waterfowl hunting. The managers of the wetland complex contacted the Ecological Management Department to work on a project that will benefit the habitat portion of the wetlands and reduce overgrown wetland areas that female mosquitoes find conducive for mosquito breeding and harborage. Staff in coordination with wetland managers, removed emergent vegetation and debris and piled the spoils in areas where wetland managers have received a permit to burn the debris. Eco staff in coordination with Control Operations staff will monitor the area to see if burning the wetland will desiccate the existing *Aedes* eggs or if the ash/water mixture will change the PH balance of the water making it not conducive for mosquito breeding.



Vegetation overgrown to wetland access area



Before:

After: Vegetation removal access to wetland restored

Yolo Bypass Wildlife Area (Yolo County)



Ecological Management in cooperation with California Department Fish and Wildlife staff engaged in a project to install a new pump that will allow the wetland cells at Yolo Bypass Wildlife Area (YBWA) to flood faster. In theory, when wetlands flood faster, technicians will only have to treat the initial brood of mosquitoes before the ponds naturalize and Fisheries will be able to plant mosquitofish to control any additional mosquito breeding. Staff will continue to monitor and see if the new pump station will have an effect on a reduction in treatments.

Agricultural Program

The beginning of fall typically signifies the end of the summer growing season and the beginning of harvest season. As the nighttime temperatures become lower, farmers slow down the irrigations on pastures, and crops such as alfalfa and clover are being disced under in preparation for winter wheat and hay. Additionally, this time of year, staff observe an increase in the abundance of *Culex pipien* mosquito populations in the vicinity of dairies and *Anopheles* mosquitoes from harvested rice fields as the female mosquitoes are making their last push for a blood meal before entering diapause. Ecological Management staff continue to coordinate with local dairy farmers on implementing Mosquito Reducing Best Management Practices such as vegetation control and removal of solid waste to reduce mosquito populations and make chemical control activities more efficient and effective.



Image: *Unmaintained Dairy Sump*



Image: *Dairy sump maintained on west side*

BIOLOGICAL CONTROL
Monthly Report for October 2024 Board Meeting

In September, the Fisheries Department began stocking mosquitofish as part of our fall flood-up program. We distributed a total of 328 pounds, with 312 pounds allocated specifically to wetlands and duck clubs, covering over 800 acres. The department continued collaborating with field personnel, who regularly inspect sites to monitor various factors, including environmental conditions, water quality, and water levels, ensuring the successful timing of fish plants. We anticipate stocking an additional 500 to 800 pounds of mosquitofish through October.

Additionally, with assistance from the Ecological Management Department, we advanced our pond cleaning and maintenance schedule, successfully scraping and cleaning five ponds this season. These efforts will enhance overall fish health and improve our seining operations moving forward.

Our fisheries technicians also assisted Urban Operations with invasive *Aedes* mosquito trapping, inspections, and treatments. Daily activities, such as water quality testing and tank cleaning, continued to ensure high-quality fish. Furthermore, we worked closely with the shop to maintain and service all equipment and small engines on schedule.

Log of Treatment Applied for September

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish (<i>Gambusia affinis</i>)	328 lbs	867 Acres	156
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	3,044 lbs	11,588.6 Acres	2,720
Guppies	.75 lbs	.272 Acres	9

Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
35,000.00	7,485.36	27,514.64	21%



Above : *Picture of a duck club in the Yolo Bypass that was stocked with mosquitofish.*

Bottom Left : *Picture of sediment being removed from a pond with the tractor and dump truck.*

Bottom Right: *Picture of a pond being refilled with water from the well and adjoining pond.*



CONTROL OPERATIONS

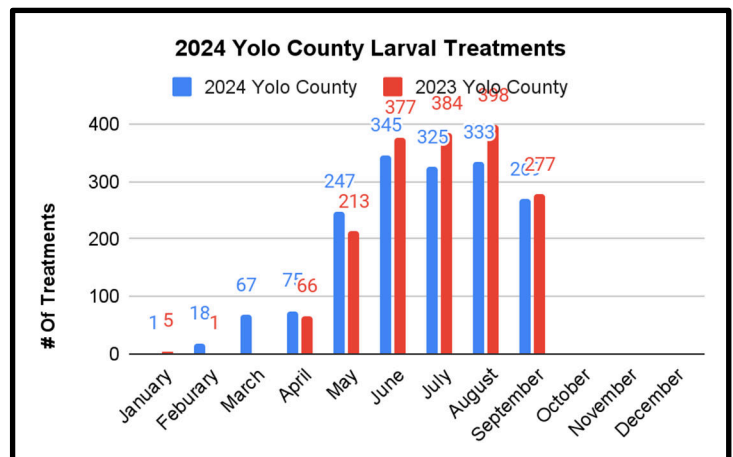
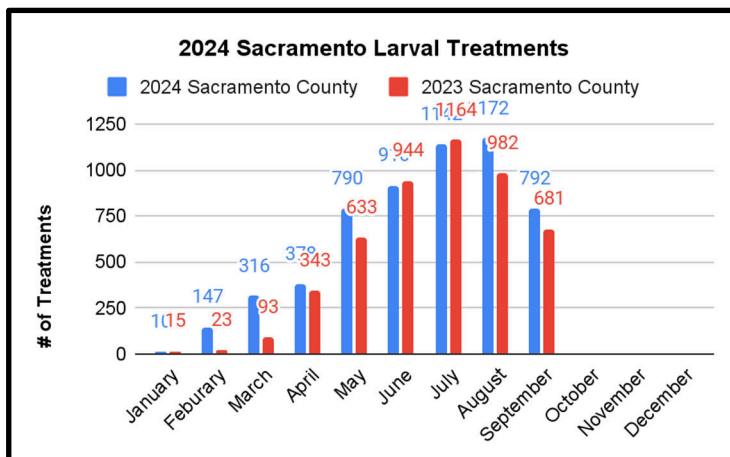
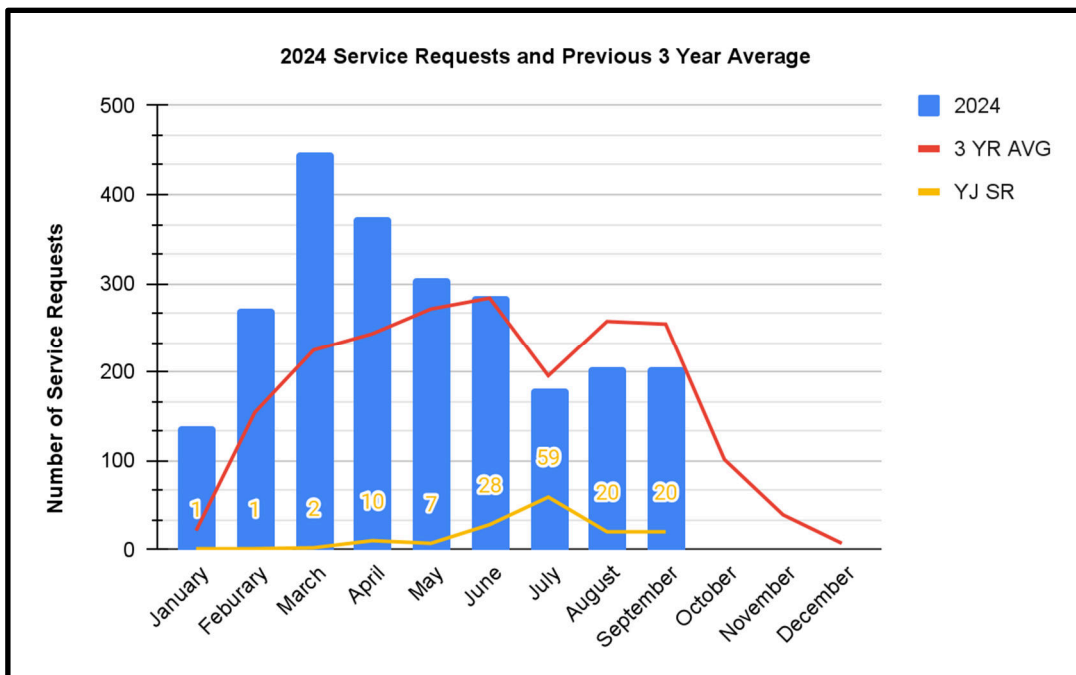
Monthly Report for the October 2024 Board Meeting

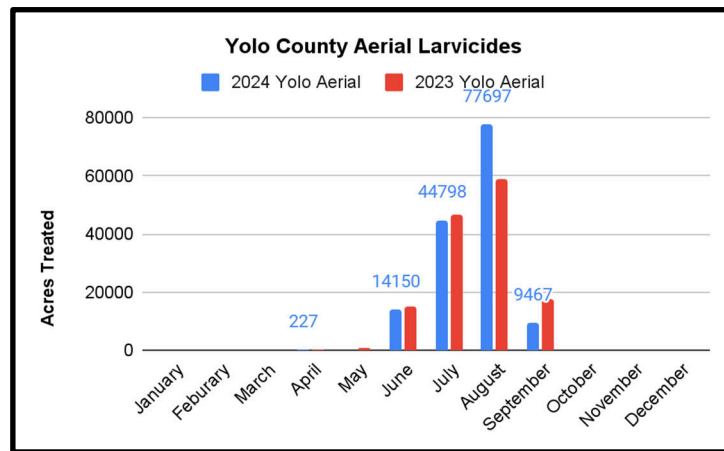
Culex, West Nile Virus (WNV) and General Mosquito Control

As the season winds down a total of thirty eight ground based ULV treatments were performed in the month of September in response to West Nile virus or high adult mosquito populations. Larval treatments are starting to decline following annual trends as the season begins to wind down; however the higher than average temperature will keep agricultural irrigations active and may prolong mosquito larval treatments in some areas.

Wetland inspections and treatments have increased as managed wetlands are being flooded for seasonal waterfowl habitat and hunting.

Vector Control Disease International (VDCI) performed thirteen aerial adulticide applications over rural agricultural areas in the Month of September, and will continue to fly until the end of the season.





Rice Program

The District continued to check and treat the remaining rice fields through the month of September. Most fields have been drained and have been or will be harvested shortly.

Catch Basin Program

The Catch Basin Program has treated 77,301 and Inspected 223,399 basins to date. In 2023 a total of 121,408 were treated by this time. The crew will continue their treatment program until the weather prevents further inspections.

Urban Control Operations:

The Aedes Control Department is monitoring and treating known infestations in South Natomas, Upper Land Park, Elder Creek, Rancho Murieta, Carmichael, Rosemont, Southeast Sacramento, Southwest and North Elk Grove, Woodland, Davis, and Winters. New or additional detections were found North Laguna Creek, South Elk Grove and South Natomas. The crews set over 500 daily BG traps with 304 *Aedes aegypti* detected and visited just under 800 residents in the detection areas for the month of September..

Aerial UAS Applications

Leading Edge Aerial Technologies (LEA) performed twelve UAS applications in September in both counties over agricultural and wetland areas. To date they have treated over 2,734 acres.

Marty and Ruben took aerial imagery of wetlands around the key dates of the Ecological Management Department's Fall Flooding Cost Share program to provide documentation of flooding.



PUBLIC INFORMATION AND EDUCATION
Monthly Report for the October 2024 Board Meeting

Events:

October has become a very busy month for events especially this year with the intense West Nile virus season and ongoing detections of invasive Aedes. Events will continue until the end of the month when the season traditionally ends and the weather cools down significantly. One of the largest events we have attended this month is the Giant Pumpkin Festival in Elk Grove. This is a very popular community event that draws huge crowds and is one of our most successful events. Recently we also attended the 14th Annual Rosemont Community Celebration which was very diverse and many people stopped by the booth to ask about invasive mosquitoes and the mosquito control work in their neighborhood. We were glad to be there to answer questions and encourage signing up for email notifications. In response to the intense WNV this season and questions from Davis residents and local elected officials, we will be hosting a table at an upcoming Farmers Market in partnership with the city.

October events:

October 5-6: Elk Grove Giant Pumpkin Festival
October 6: Effie Yaw Nature Fest
October 12: Folsom Family Expo
October 12: Winters Public Safety Festival
October 26: South Sacramento Fall Festival

Media Coverage:

As a result of a Rotary Club presentation where a news reporter for CBS-13 was present, we received a media request for a story on invasive mosquitoes. Invasive Aedes urban operation supervisor David Smith quickly coordinated with a homeowner that allowed us in her backyard where invasive mosquitoes had been found recently. The media story focused on the importance of looking for mosquito breeding sites and the general prevention of invasive mosquitoes.

A Studio 40 live segment is scheduled for October 18th.

Presentations and school assemblies:

We have two community presentations scheduled for local rotary clubs:

October 17: Winters
October 22: Arden/Arcade

On October 23rd we are coordinating a District tour for a UC Davis Entomology class.

Lastly, the “What Bugs You” school assemblies are back and there is an assembly scheduled for October 25th at Hollywood Park Elementary in Sacramento.

Advertising Campaign

The advertising campaign will come to an end towards the end of the month and we will begin evaluating the 2024 advertising buy with our media consultant Luken Benjamin. In addition, we are having preliminary meetings with advertising representatives from various media outlets to review the campaign and begin discussing ideas for next year.

Repellent and Materials Distribution:

We continue to receive requests for materials and repellent from community organizations. Most recently we donated items to a 5K run sponsored by a non-profit organization called My Sister's House which seeks to eliminate domestic violence in the Asian and Pacific Islander community.

MVCAC Public Relations Committee

As part of the PR Committee standing charges, 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.



Sacramento-Yolo Mosquito and Vector Control District

October 15, 2024 Board Meeting

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

Staff Report:

The District has a strong history of being fiscally prudent and have adopted the most aggressive payback schedule highlighted in the annual valuation from CalPERS which typically comes out in August of every year. The UAL is subject to the returns and management of the funds through CalPERS and by reducing our balance; we will save interest over the life of the fund. The long term uncertainty surrounding the UAL payment schedule is a concern for the District moving forward as it has the potential to impact future operations.

Our current unfunded liability (UAL) for the classic plan is at \$11,278,721 and is 80.3% funded. The current valuation came out in August of 2024 and is dated for June 30, 2023. The valuations are always a year behind so the balance does not include the 9.3% returns that CalPERS achieved in FY23-24. This value is also not inclusive of the approximately \$2.1M additional discretionary payment that the District made in July 2024. With the higher returns in the previous fiscal year and the ADP that the District made, we anticipate a the UAL for the 23-24 FY to be smaller than the current number.

The District has approximately \$20M in reserves. \$8M is set aside for dry financing so that we can pay our bills monthly as we only receive revenue twice a year. \$3M is set aside for our Emergency Response. \$2.5M is set aside for vehicle replacement which will be expended with the new vehicle purchase authorized by the Board this year. \$1.5M is set aside for Structures and Grounds. \$750K is set aside for Capital Projects. That leaves approximately \$4.25M in unobligated reserves.

The goal of the District is to reduce the UAL as quickly as possible to help save annual interest and to hopefully reduce the number to a “maintenance” figure that would fluctuate annually with the returns of the fund. Staff is proposing a payment of \$2,250,000 to further move toward this goal.

The payment would be made to the accounts with the highest balance and the longest term to help minimize future interest charges. We will consult with both our actuary and CalPERS to prioritize the bases to minimize long term costs.

Recommendation:

Approve the payment of the CalPERS Unfunded Liability in the amount of \$2,250,000.

Sacramento-Yolo Mosquito and Vector Control District

October 15, 2024 Board Meeting

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

Staff Report:

The employment agreements for the Assistant Managers, Tony Hedley and Steve Ramos, are due to expire at the end of the year. Previously, the Board gave authorization to the Manager to act as the designated labor negotiator and to negotiate with each of them on a new agreement. A copy of each agreement is attached for your review.

Recommendation:

Approve the Employment Agreements for the two Assistant Manager Positions

SACRAMENTO-YOLO MOSQUITO AND VECTOR CONTROL DISTRICT ASSISTANT MANAGER EMPLOYMENT AGREEMENT

THIS AGREEMENT is made and entered into effective January 1, 2025, by and between the Sacramento-Yolo Mosquito and Vector Control District, a public agency ("District"), and Steve Ramos, an individual ("Employee"), who agree as follows:

- 1. Employment.** District hereby appoints and employs Employee as Assistant Manager of the District, and Employee hereby accepts such employment, on and subject to the terms and conditions of this Agreement. Employee acknowledges that they are an at-will, exempt, management employee appointed by, and working at the pleasure of, the District Board of Trustees ("Board"). Employee acknowledges that: (a) their position is considered an exempt management position, as defined by the Fair Labor Standards Act and California law, and (b) among other things, the position is exempt from federal and California minimum wage and overtime requirements.
- 2. Term.**

 - a. This Agreement becomes effective on the date set forth above and terminates on December 31, 2028, unless sooner terminated as provided by the termination provisions in section 7.
 - b. If Employee's evaluation in the year immediately preceding the last year of this Agreement is deemed as "progressing acceptably" or better in all areas, this Agreement may be extended by the Board for whatever duration is deemed appropriate by the Board. If extended, this extension will be confirmed publicly by the Board at an open and public Board meeting. In the event this Agreement is extended by operation of this provision, this provision will continue to apply to the extended Agreement. Employee shall provide notice to the Board or its designated representative about this provision and the Agreement termination date at least two months before the termination date. Extension of the term of the Agreement pursuant to this subsection will not affect the ongoing applicability of the termination provisions in section 7.
- 3. Duties.** Employee's duties under this Agreement shall be those assigned based on the job description for the Assistant Manager position as adopted and amended from time to time by the Board, and such other duties and responsibilities as assigned by the General Manager or Board. The job description in effect as of the Effective Date of this Agreement is attached as Exhibit A. Employee will serve as a management-level officer of the District and work under the direction and control of the General Manager and in accordance with applicable District policies and procedures.
- 4. Hours.** Employee shall devote their full-time attention and energies to the job duties and be available to work at such times as necessary to fully and competently perform the

duties of the position, regardless of the number of hours or time of day involved. Employee acknowledges that the duties of their position may require an average of more than 40 hours per week, and that some day-to-day hours may vary from well above eight hours to below eight hours. Employee shall not be compensated for overtime hours worked or otherwise earn or be entitled to compensatory time off for hours worked in excess of eight per day or 40 per week. Employee shall not engage in any conduct or other employment or business that would unreasonably interfere with their responsibilities and duties to the District or that would reflect unfavorably upon the interests of the District.

5. Compensation. For all services to be rendered by Employee under this Agreement, District shall provide to Employee the following salary and benefits:

- a. **Salary.** Salary in the amount of \$138,000 per year. The Board, at any time during the term of this Agreement, may adjust Assistant Manager's salary.
- b. **Other Benefits.** All other employee benefits (including vacation and sick leave; retirement system membership and employer contributions; employee and dependent coverage on health, dental and other group insurance programs) will be as provided in the District Personnel Manual and as otherwise provided to other regular full-time District employees, except that Employee shall not be entitled to accrue any benefits related to longevity pay, overtime or compensatory time off.
- c. The District will deposit \$500 per month into a retirement account for the Assistant Manager beginning January 2025. The contributions to the account will be taxable income to the Assistant Manager, unless the District establishes a suitable tax deferred account to the satisfaction of the Manager and the District.
- d. The District will evaluate the salary of the Assistant Manager for any changes by October 2026 for implementation in January 2027.

6. Other Terms and Conditions of Employment. Except as expressly set forth in this Agreement, all terms and conditions of Employee's employment will be governed by the District Personnel Manual (as the same may be amended by the District from time to time), and the Parties will comply with all applicable provisions of the Personnel Manual. If any term or condition of this Agreement is inconsistent or in conflict with a term or condition of the Personnel Manual, the Agreement will govern. If any term or condition of this Agreement is inconsistent or in conflict with a federal or state law, the law will govern.

7. Termination. This Agreement may be terminated in any one of the following ways:

- a. By mutual agreement of the parties, expressed in writing.
- b. By Employee, upon giving to the District not less than 30 days' prior written notice of their election to terminate.

- c. By the death of the Employee.
- d. By District, for cause, upon giving to Employee written notice of immediate termination. The written notice of termination shall specify (1) the particular cause or causes and the facts and circumstances justifying the termination of the Agreement for cause, and (2) the opportunity for the Employee to meet with the Board on the reasons for their termination. If Employee requests a meeting, the meeting shall be held at the Board's earliest convenience in a closed session, unless the Employee requests an open session. After the meeting, the Board may affirm, modify, or reverse its decision to terminate for cause. For purposes of this Agreement, the following will justify termination for cause: willful breach of duty; habitual neglect of duty; gross insubordination; conviction of a crime involving moral turpitude; conduct that makes it impossible or impracticable to perform the duties under this Agreement, or that seriously impedes District operations; conduct that tends to bring discredit to District, or conduct unbecoming an employee in public service; mishandling of District funds; any intentional misrepresentation or fraud in connection with the performance of their duties; theft of District property; violation of law; or violation of the District Personnel Manual.
- e. By District, without cause, upon giving to Employee written notice of immediate termination and payment of severance pay in an amount equal to the lesser of (1) Employee's then-monthly salary multiplied by the number of months left on the unexpired term of the Agreement, or 6 months if the number of months left is 6 months or less, or (2) Employee's then-monthly salary multiplied by 12 months.

8. Performance Evaluation and Goals.

- a. The General Manager will evaluate the performance of Employee in writing on an annual basis. The evaluation will be related to the duties and responsibilities of Employee as determined by the General Manager. The evaluation format and procedures and Employee goals will be determined by the General Manager and may include Employee's self-evaluation.
- b. The evaluation format will be reasonably objective and contain at least the following:
 - i. Relationship with the General Manager;
 - ii. Staff and personnel relationships;
 - iii. Personal qualities and development; and
 - iv. Overall leadership
- c. The General Manager will strive to evaluate Employee in writing every six (6) months of each year during the term of this Agreement and a meeting will be held between Employee and General Manager to discuss Employee's evaluation. A copy of the written evaluation will be delivered to Employee and Employee may

make a written response to the evaluation. If the General Manager determines that Employee's performance is unsatisfactory in any respect, the written report will describe such unsatisfactory performance in reasonable detail. The evaluation may include recommendations for improvement. The evaluation format will provide for the following rating system such that the General Manager may indicate the Employee's performance is: Very Good, Good, Improvement Needed, or Unsatisfactory.

- d. Not later than March 30th of each year of this Agreement, the Employee and General Manager will establish District goals and objectives for the subsequent year. The goals and objectives will be among the criteria by which the General Manager evaluates the Employee.
 - e. The deadlines in this section are directory only, and not mandatory. If a Party fails to meet a deadline, such failure will not be deemed a breach of this Agreement.
9. **Ownership of Documents.** Every document, report, study, spreadsheet, worksheet, plan, blueprint, specification, drawing, map, photograph, computer model, computer disk, magnetic tape, CAD data file, computer software and any other writing or thing prepared by Employee during the term of his employment (the "Work") shall be the property of District. District shall have the right to use, modify, reuse, reproduce, publish, display, broadcast and distribute the Work and prepare derivative and additional documents or works based on the Work without further compensation to or permission from Employee.
10. **Entire Agreement.** This writing constitutes the sole, entire, integrated and exclusive contract between the Parties respecting Employee's employment by District, and any other contracts, contract terms, understandings, promises or representations not expressly set forth or referenced in this writing are null and void and of no force and effect.
11. **Notices.** Any notice to be given to Employee shall be sufficiently served if: (a) given to them personally, (b) deposited in the United States Mail, with sufficient postage, or with a recognized overnight delivery courier service, such as Federal Express or UPS, addressed to them at their most recent residence address as shown on the District payroll records. Any notice to be given to District shall be addressed to the Board and hand-delivered, mailed, or delivered via a recognized overnight delivery courier service to the District Secretary at the District offices.
12. **Successors and Assigns.** This Agreement is personal to Employee. They may not transfer or assign the Agreement or any part of it. Subject to this restriction on transfer and assignment, this Agreement shall bind, and inure to the benefit of, the successors, assigns, heirs and legal representatives of the parties.
13. **Amendments.** This Agreement may be amended only by a subsequent writing approved and signed by both Parties. Any amendment by District must be approved by the Board at a public meeting. Individual Board members do not have the authority, express or implied, to amend, modify, waive or in any way alter this Agreement or the terms and

conditions of Employee's employment.

14. **Waiver.** The waiver at any time by either Party of its rights with respect to a default or other matter arising in connection with this Agreement shall not be deemed a waiver with respect to any subsequent default or matter.
15. **Severability.** If any part of this Agreement is held to be void, invalid, illegal or unenforceable, then the remaining parts will continue in full force and effect and be fully binding, so long as the rights and obligations of the parties are not materially and adversely affected.
16. **Construction and Interpretation.** The Parties agree and acknowledge that this Agreement has been arrived at through negotiation, and that each Party has had a full and fair opportunity to revise the terms of this Agreement. Consequently, the normal rule of construction that any ambiguities are to be resolved against the drafting party shall not apply in construing or interpreting this Agreement.
17. **Governing Law and Venue.** Except as otherwise required by law, this Agreement shall be interpreted, governed by, and construed under the laws of the State of California. The County of Sacramento will be venue for any state court jurisdiction and the Eastern District of California will be venue for any federal court litigation concerning the enforcement or construction of this Agreement.

Sean Denny, Board President

Date

Attest: Janell Darroch, Board Secretary

Date

Steve Ramos

Date

SACRAMENTO-YOLO MOSQUITO AND VECTOR CONTROL DISTRICT ASSISTANT MANAGER EMPLOYMENT AGREEMENT

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 - b. If Employee's evaluation in the year immediately preceding the last year of this Agreement is deemed as "progressing acceptably" or better in all areas, this Agreement may be extended by the Board for whatever duration is deemed appropriate by the Board. If extended, this extension will be confirmed publicly by the Board at an open and public Board meeting. In the event this Agreement is extended by operation of this provision, this provision will continue to apply to the extended Agreement. Employee shall provide notice to the Board or its designated representative about this provision and the Agreement termination date at least two months before the termination date. Extension of the term of the Agreement pursuant to this subsection will not affect the ongoing applicability of the termination provisions in section 7.
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4. **Hours.** Employee shall devote their full-time attention and energies to the job duties and be available to work at such times as necessary to fully and competently perform the

duties of the position, regardless of the number of hours or time of day involved. Employee acknowledges that the duties of their position may require an average of more than 40 hours per week, and that some day-to-day hours may vary from well above eight hours to below eight hours. Employee shall not be compensated for overtime hours worked or otherwise earn or be entitled to compensatory time off for hours worked in excess of eight per day or 40 per week. Employee shall not engage in any conduct or other employment or business that would unreasonably interfere with their responsibilities and duties to the District or that would reflect unfavorably upon the interests of the District.

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- c. The District will deposit \$500 per month into a retirement account for the Assistant Manager upon the completion of his bachelor's degree. Employee shall provide District with documentation evidencing his completion of the degree and the District's contributions shall begin the month following such completion. The contributions to the account will be taxable income to the Assistant Manager, unless the District establishes a suitable tax deferred account to the satisfaction of the Manager and the District.
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Sean Denny, Board President

Date

Attest: Janell Darroch, Board Secretary

Date

Tony Hedley

Date