

Sacramento-Yolo
MOSQUITO & VECTOR
CONTROL DISTRICT

MAY 20, 2025

BOARD OF TRUSTEES
REGULAR MEETING

BOARD PACKET

10:00 A.M.

8631 BOND ROAD
ELK GROVE, CA 95624

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

8631 Bond Road
Elk Grove, CA 95624

**AGENDA
May 20, 2025
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 April 15, 2025 Board of Trustees Meeting**
 - b. **Expenditures for April 2025**
 - c. **District Investment Report for Period Ending March 31, 2025**
2. **Opportunity for Public Comment**

This item is reserved for members of the public who wish to speak on items not on the agenda
3. **Reports to the Board**
 - a. **Manager's Report**
 - b. **Reports from District Departments**
 - **Lab/Surveillance**
 - **Ecological Management**

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

4. **Board Review and Discussion of District Plan for 2025 Rice Larvicide Applications and Aerial Adulticiding Program**
5. **Board Review and Discussion of District Projects and Collaborations for the 2025 Season**
6. **Board Review and Discussion of Draft District Budget for 2025-2026**
7. **Closed Session- Provide Instruction to Designated Labor Representatives (Gov. Code s. 54957.6 (a)-Labor Negotiations)**
8. **Board/Staff Reports and Requests**
9. **Adjournment**

**MINUTES OF THE APRIL 15, 2025
MEETING OF THE BOARD OF TRUSTEES OF THE SACRAMENTO-YOLO
MOSQUITO & VECTOR CONTROL DISTRICT**

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

Time: 10:00 a.m.

Call to Order: The meeting was called to order by Board President Charles Duty at 10:00a.m.

Trustees Present:

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

Staff Present:

Gary Goodman	Manager
Jennifer Buckman	Legal Counsel
Steve Ramos	Assistant Manager
Lisa Pelletier	Administrative Manager
Ken Harris	Biological Control
Marty Scholl	Program Coordinator
Luz Maria Robles	Public Information Officer

Roll Call

This meeting was in person. 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 Burnett and seconded by Trustee LaTorre, the Board voted to approve the General Consent Items. The vote was taken and the motion passed unanimously.

- a. Minutes of March 18, 2025 Board of Trustees Meeting
- b. Expenditures for March, 2025

2. Opportunity for Public Comment

None

3. Reports to the Board

Manager's Report:

The Manager discussed the warming weather, increased mosquito activity, phone calls and hiring of the District's seasonal staff, including PIO and IT seasonals this year. He is preparing first draft budget which will be presented at the next meeting. He also discussed the May AMCA conference in Washington and associated grants/funding. He updated the Board regarding Vector Serve, Mosquito Mate and Incompatible Insect Techniques and a potential modeling program to perform more accurate and specialized pesticide impact studies relative to mosquito control.

Reports from District Departments:

Laboratory:

Written report provided

Ecological Control:

Written report provided

Biological Control:

Ken Harris provided an update on the fisheries department's activities through March. The department started the transfer of mosquitofish from the netted ponds to the open grow-out ponds. In total, fisheries technicians moved 435 pounds of fish this season. The department expects to see fry shortly and will begin feeding the fish twice daily. Ken also mentioned with the pool program underway, and service requests up, they have been handing out more mosquitofish to technicians. In addition, the department was pleased to welcome two seasonal technicians to the department on April 1st. The department continues with maintenance and repairs, pond fertilization, and daily activities such as tank cleaning and pond chemistry.

Larval and Adult Control:

Marty highlighted that the bypass is still partially flooded, affecting access. In Woodland, activities include truck transfers, ULV calibration using quads and backpacks, and ongoing fish requests. Service calls for anopheles mosquitoes continue, and rice fields are being worked in D108 and outside the levees in Conaway. Sacramento crews are focused on stripping and building trucks, treating pools, and beginning spring treatments as pasture irrigations start. Rice field work is underway in Natomas, and treehole treatments have been completed over the past few weeks. Catch basin inspections have begun as vehicles become available. The Aedes crew has started setting traps, mainly in Natomas, with no detections reported so far.

Public Outreach:

During the Public Information and Outreach update Luz talked about Mosquito Awareness Week (MAW) and the various media interviews to promote the launch of the campaign for the season as well as the science fair and repellent distribution to the homeless as part of MAW. She also talked about the education booth at 7 events for the month including a couple of new events that were added this year. Luz mentioned that 4 school assemblies were scheduled for April and the various repellent requests received from community groups and from the Yolo County Public Health Department who will be adding the wipes to their vending machines.

4. Board Review and Consideration of Contract with Mosquito Mate to Implement an Incompatible Insect Technique Program

On a motion by Trustee Burnett and seconded by Trustee Darroch, the Board voted to authorize the Manager to engage in a contract with Mosquito Mate for an incompatible insect technique program not to exceed \$40,000. The vote was taken and the motion passed unanimously.

5. Closed Session- Provide Instruction to Designated Labor Representatives (Gov. Code s. 54957.6 (a)-Labor Negotiations)(1 Matter)

The Board adjourned the regular meeting to go into closed session at 11:05 a.m. District Counsel, Jeni Buckman reported out of closed session at 11:20 a.m with direction given to the Manager to proceed with labor negotiations.

The Board reconvened the regular meeting at 11:20 a.m.

6. Board/Staff Reports and Requests / General Discussion

The Manager mentioned possibly adding a Field Auditor and/or an additional IT position to the District, and potentially upgrading a Front Office position to include two seniors and one administrative assistant. He acknowledged the value the Assistant Managers bring to the District with their vast experience in the field, and recognized them for improving the zone structure of Control Operations. Lastly, the Manager notified the Board of his upcoming May vacation.

7. ADJOURNMENT

The meeting adjourned at 11:26 a.m.

I certify that the above minutes substantially reflect the general business and actions taken by

Minutes of the April 15, 2025, SYMVCD Board of Trustees Meeting

the Board of Trustees at the April 15, 2025, meeting.

Lisa Pelletier, Administrative Manager

Approved as written and/or corrected by the Board of Trustees at the May 20, 2025, meeting.

Staci Gardiner, Board Secretary

Sacramento-Yolo Mosquito and Vector Control District
STATEMENT OF OPERATION
July 2024 through April 2025

	Jul '24 - Apr 25	Budget	\$ Over Budget
Ordinary Income/Expense			
Income			
4000 · REVENUE	13,676,968.14	20,718,525.00	-7,041,556.86
Total Income	13,676,968.14	20,718,525.00	-7,041,556.86
Gross Profit	13,676,968.14	20,718,525.00	-7,041,556.86
Expense			
5000 · SALARIES/BENEFITS/WC	13,023,162.02	12,519,219.00	503,943.02
5200 · OPERATIONAL			
5210 · LIABILITY INSURANCE	296,536.18	304,493.00	-7,956.82
5250 · AUDITING/FISCAL	37,000.00	25,000.00	12,000.00
5270 · COMMUNICATIONS	76,421.26	100,000.00	-23,578.74
5310 · PUBLIC INFORMATION	287,842.39	700,000.00	-412,157.61
5340 · STRUCTURE & GROUNDS	87,595.31	150,000.00	-62,404.69
5370 · MEMBER/TRAINING	97,194.88	167,500.00	-70,305.12
5390 · DISTRICT OFFICE EXPENSES	18,314.69	25,000.00	-6,685.31
5430 · PROFESSIONAL SERVICES	201,010.78	341,000.00	-139,989.22
5440 · MATERIALS & SUPPLIES	14,313.95	16,000.00	-1,686.05
5450 · RENTS & LEASES	2,191,730.13	712,000.00	1,479,730.13
5470 · SAFETY PROGRAM	2,175.78	5,000.00	-2,824.22
5480 · UTILITIES	103,185.74	125,000.00	-21,814.26
6120 · AIRCRAFT SERVICES	866,420.71	1,179,000.00	-312,579.29
6140 · ECOLOGICAL MANAGEMENT	5,999.91	23,000.00	-17,000.09
6160 · MICROBIAL	609,476.25	1,200,000.00	-590,523.75
6170 · BIORATIONALS	879,804.24	1,200,000.00	-320,195.76
6180 · INSECTICIDES	742,668.95	900,000.00	-157,331.05
6220 · FISHERIES	41,050.94	35,000.00	6,050.94
6280 · GEOGRAPHIC INFO SYSTEMS	3,330.00	9,000.00	-5,670.00
6320 · INFORMATION TECHNOLOGY	171,561.87	130,000.00	41,561.87
6350 · CONTROL OPERATIONS	22,526.09	55,000.00	-32,473.91
6370 · SHOP DEPT	109,405.02	159,500.00	-50,094.98
6420 · LAB SERVICES	141,700.59	204,000.00	-62,299.41
6450 · GAS & PETROLEUM	130,519.68	210,000.00	-79,480.32
Total 5200 · OPERATIONAL	7,137,785.34	7,975,493.00	-837,707.66
62600 · Ask Accountant	0.00		
66000 · Payroll Expenses	-694.41		
Total Expense	20,160,252.95	20,494,712.00	-334,459.05
Net Ordinary Income	-6,483,284.81	223,813.00	-6,707,097.81

	Jul '24 - Apr 25	Budget	\$ Over Budget
Other Income/Expense			
Other Income			
67001 · GASB 31 Fair Market Value	5,204.00		
67005 · Gain(Loss) on Sale of Assets	-12,803.28		
Total Other Income	-7,599.28		
Other Expense			
Sales Tax	0.00		
Shipping	0.00		
7000 · CAPITAL ACCOUNTS			
70010 · CAPITAL OUTLAY	164,735.18	330,000.00	-165,264.82
70070 · RESEARCH FUND	55,000.00	75,000.00	-20,000.00
70080 · BUILDING IMPROVEMENT	0.00	350,000.00	-350,000.00
Total 7000 · CAPITAL ACCOUNTS	219,735.18	755,000.00	-535,264.82
90999 · Suspense Expense	0.00		
Total Other Expense	219,735.18	755,000.00	-535,264.82
Net Other Income	-227,334.46	-755,000.00	527,665.54
Net Income	-6,710,619.27	-531,187.00	-6,179,432.27

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Sacramento-Yolo Mosquito and Vector Control District

05/05/25

Check Register

Accrual Basis

April 2025

Num	Date	Name	Credit	Type
Apr 25				
59396	04/02/2025	CDPH Vector-Borne Disease Acc...	287.00	Bill Pmt -Check
59397	04/02/2025	City of Woodland	179.62	Bill Pmt -Check
59398	04/02/2025	Cleanit Maintenance Systems LLC	2,995.00	Bill Pmt -Check
59399	04/02/2025	Elk Grove Water District	589.81	Bill Pmt -Check
59400	04/02/2025	Ferrellgas	54.31	Bill Pmt -Check
59401	04/02/2025	Hippensteel Group	2,568.75	Bill Pmt -Check
59402	04/02/2025	Hunt & Sons Inc	465.42	Bill Pmt -Check
59403	04/02/2025	Maita Chevrolet	551.88	Bill Pmt -Check
59404	04/02/2025	O'Reilly Automotive, Inc.	116.70	Bill Pmt -Check
59405	04/02/2025	PG & E	1,853.45	Bill Pmt -Check
59406	04/02/2025	Republic Services #922	360.72	Bill Pmt -Check
59407	04/02/2025	Safe Side Security	414.00	Bill Pmt -Check
59408	04/02/2025	SMUD	3,584.22	Bill Pmt -Check
59409	04/02/2025	Stericycle, Inc.	98.11	Bill Pmt -Check
59410	04/02/2025	Vector Disease Control International	55,275.00	Bill Pmt -Check
59411	04/02/2025	Verizon Wireless	2,758.11	Bill Pmt -Check
59412	04/08/2025	Alhambra & Sierra Springs	115.41	Bill Pmt -Check
59413	04/08/2025	AutoZone, Inc.	1,152.79	Bill Pmt -Check
59414	04/08/2025	Azelis - Adapco Inc	1,756.73	Bill Pmt -Check
59415	04/08/2025	Buckmaster Office Solutions	542.10	Bill Pmt -Check
59416	04/08/2025	Drone Deploy, Inc.	2,250.00	Bill Pmt -Check
59417	04/08/2025	Enterprise Fleet Management	1,079,692.33	Bill Pmt -Check
59418	04/08/2025	Kimball Midwest	1,058.41	Bill Pmt -Check
59419	04/08/2025	Stericycle, Inc.	126.26	Bill Pmt -Check
59420	04/08/2025	T-Mobile	1,952.52	Bill Pmt -Check
59421	04/08/2025	Utonomy, Inc.	102.50	Bill Pmt -Check
59422	04/08/2025	Valley Fire & Security Alarms, Inc	69.50	Bill Pmt -Check
59423	04/08/2025	Cintas Corporation	6,699.78	Bill Pmt -Check
59424	04/08/2025	T-Mobile	3,012.05	Bill Pmt -Check
59425	04/09/2025	Benefit Coordinators Corp.	9,226.60	Bill Pmt -Check
59426	04/09/2025	Benefit Coordinators Corporation	4,960.24	Bill Pmt -Check
59427	04/09/2025	P & A Administrative Services Inc	121.50	Bill Pmt -Check
59428	04/09/2025	Sutter Health Plan	14,281.10	Bill Pmt -Check
59430	04/09/2025	Azelis - Adapco Inc	114,121.78	Bill Pmt -Check
59431	04/09/2025	GreatAmerica Financial Services	376.28	Bill Pmt -Check
59432	04/09/2025	Hunt & Sons Inc	3,179.32	Bill Pmt -Check
59433	04/09/2025	Red Shoe Productions	13,500.00	Bill Pmt -Check
59434	04/09/2025	Waste Management C & R, Inc.	232.76	Bill Pmt -Check
59435	04/09/2025	Willscot	23,790.16	Bill Pmt -Check
59436	04/15/2025	Airgas USA, LLC	212.06	Bill Pmt -Check
59437	04/15/2025	Barnes Welding	596.34	Bill Pmt -Check
59438	04/15/2025	BKS Law Firm, PC	1,806.87	Bill Pmt -Check
59439	04/15/2025	Elk Grove Lock and Safe Company	41.21	Bill Pmt -Check
59440	04/15/2025	Kimball Midwest	725.44	Bill Pmt -Check
59441	04/15/2025	Kingsley Bogard, LLP	9,715.81	Bill Pmt -Check
59442	04/15/2025	PG & E	154.27	Bill Pmt -Check
59443	04/15/2025	Sac Ice	575.46	Bill Pmt -Check
59444	04/15/2025	Sacramento County Utilities	1,070.37	Bill Pmt -Check
59445	04/15/2025	Safety Kleen Systems, Inc.	1,224.05	Bill Pmt -Check
59446	04/15/2025	EDD	18,708.19	Bill Pmt -Check
59448	04/16/2025	Western Health Advantage	9,713.96	Bill Pmt -Check
59449	04/16/2025	Western Health Advantage	2,433.03	Bill Pmt -Check
59450	04/16/2025	Barnes Welding	439.63	Bill Pmt -Check
59451	04/16/2025	Foothill Fire Protection, Inc.	150.00	Bill Pmt -Check
59452	04/16/2025	Hunt & Sons Inc	3,929.94	Bill Pmt -Check
59453	04/16/2025	MosquitoMate, Inc.	9,744.00	Bill Pmt -Check
59454	04/16/2025	Sacramento Control Systems, Inc.	504.00	Bill Pmt -Check
59455	04/16/2025	Spark Creative Design	138.27	Bill Pmt -Check
59456	04/16/2025	U.S. Bank	45,713.31	Bill Pmt -Check
59457	04/23/2025	Kaiser Foundation Health Plan	59,001.21	Bill Pmt -Check
59458	04/23/2025	ArcSource	1,468.60	Bill Pmt -Check
59459	04/23/2025	Barnes Welding	507.45	Bill Pmt -Check
59460	04/23/2025	CA Department of Motor Vehicles	10.00	Bill Pmt -Check
59461	04/23/2025	CA Department of Tax and Fee A...	64.00	Bill Pmt -Check
59462	04/23/2025	Chris Miller Consulting	3,000.00	Bill Pmt -Check
59463	04/23/2025	Dignity Health Med Fdtn-Sacrame...	2,382.00	Bill Pmt -Check
59464	04/23/2025	Foothill Fire Protection, Inc.	3,301.00	Bill Pmt -Check

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Sacramento-Yolo Mosquito and Vector Control District

05/05/25

Check Register

Accrual Basis

April 2025

Num	Date	Name	Credit	Type
59465	04/23/2025	Hunt & Sons Inc	1,181.14	Bill Pmt -Check
59466	04/23/2025	Kimball Midwest	713.43	Bill Pmt -Check
59467	04/23/2025	Maita Chevrolet	217.67	Bill Pmt -Check
59468	04/23/2025	PG & E	1,557.45	Bill Pmt -Check
59469	04/23/2025	Russian American Media Inc	250.00	Bill Pmt -Check
59470	04/23/2025	Target Specialty Products	1,468.28	Bill Pmt -Check
59471	04/23/2025	Top Rank Heating Air Conditionin...	975.49	Bill Pmt -Check
59472	04/24/2025	Ferrellgas	31.37	Bill Pmt -Check
59473	04/24/2025	Filipino Fiesta of Sacramento	207.00	Bill Pmt -Check
59474	04/24/2025	Kimball Midwest	967.75	Bill Pmt -Check
59475	04/24/2025	Hippensteel Group	3,206.25	Bill Pmt -Check
59478	04/29/2025	Buckmaster Office Solutions	86.08	Bill Pmt -Check
59479	04/29/2025	Hunt & Sons Inc	1,987.38	Bill Pmt -Check
59480	04/29/2025	PG & E	146.96	Bill Pmt -Check
59481	04/29/2025	Republic Services #922	360.72	Bill Pmt -Check
59482	04/29/2025	Spark Creative Design	1,097.27	Bill Pmt -Check
59483	04/29/2025	Stericycle, Inc.	98.11	Bill Pmt -Check
59484	04/29/2025	T-Mobile	3,012.05	Bill Pmt -Check
59485	04/29/2025	Verizon Wireless	2,939.09	Bill Pmt -Check
59486	04/29/2025	T-Mobile	1,952.52	Bill Pmt -Check
59487	04/30/2025	Barnes Welding	294.39	Bill Pmt -Check
59488	04/30/2025	Buckmaster Office Solutions	20.00	Bill Pmt -Check
59489	04/30/2025	Clarke Mosquito Control Products ...	9,705.07	Bill Pmt -Check
59490	04/30/2025	O'Reilly Automotive, Inc.	68.17	Bill Pmt -Check
59491	04/30/2025	PG & E	381.14	Bill Pmt -Check
59492	04/30/2025	U.S. Bank	44,423.20	Bill Pmt -Check
59493	04/30/2025	Vector Disease Control International	55,275.00	Bill Pmt -Check
59494	04/30/2025	SMUD	3,635.70	Bill Pmt -Check
59429	04/08/2025	Goodman, Gary W.	1,356.85	Check
59447	04/16/2025	CA Dept. of Fish & Wildlife Region 2	81.89	Check
W00472	04/07/2025	CalPERS Financial Reporting & A...	105,215.95	Check
59476	04/30/2025	CA State Disbursement Unit	350.00	Check
59477	04/30/2025	Operating Engineers Local Union ...	1,120.00	Check
W00473	04/30/2025	Nationwide Retirement Solutions	4,150.00	Check
W00474	04/30/2025	Nationwide Retirement Solutions	2,800.00	Check
W00475	04/30/2025	CalPERS 457 Plan	15,223.05	Check
1821	04/30/2025	Duty, Charles	92.35	Check
1822	04/30/2025	McGarvey, Robert - V	92.35	Check
			1,798,543.81	

Apr 25



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

SACRAMENTO COUNTY

8631 Bond Road
Elk Grove, CA 95624

(800) 429-1022

www.FIGHTtheBITE.net

Gary Goodman
General Manager

2025 Board of Trustees

Charles Duty
President,
Sacramento County

Janell Darroch
Vice President, West
Sacramento

Staci Gardiner
Secretary,
Isleton

Christopher Barker
Davis

Craig R. Burnett
Folsom

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

Tania Garcia-Cadena
Woodland

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 **March 31, 2025**.

Institution		Earnings	Total as of 03/31/2025
Yolo County Treasurer Investment Pool	3.491%*	\$49,694.22	\$1,358,460.03
L.A.I.F.	4.48%	\$105,235.07	\$14,344,005.68
VCJPA-Member Contingency Fund	2.13%	\$40,693.00	\$1,953,367.00
CERBT-Strategy 3		\$42,897.49	\$2,284,809.34
		District Total:	\$19,940,642.05

**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

April 18, 2025

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 March 31, 2025. 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: March 31, 2025	3.491%		\$ 49,694.22
Quarter ending: March 31, 2025		4.48%	\$ 105,235.07
Placement of Funds as of March 31, 2025:	(Fund 7245)		
	Yolo County Treasurer's Pool (Account 100000)		1,358,460.03
	Flexible Spending Account (Account 104000)*		34,860.49
	LAIF (Account 104050)		14,344,005.68
	Total		\$ 15,737,326.20

Rates are reflected above as annualized earnings rates.

*Bank ending balance of as 3/31/2025, GL correction pending 4/1 post date

Sincerely,

Kevin Sorensen

Kevin Sorensen
Accounting Manager

ASSURANCE OF ACCOUNTABILITY



Vector Control Joint Powers Agency

Member Contingency Fund

For the Quarter Ended
March 31, 2025

Member District	Balance at Beginning of Quarter	Contribution	(Withdrawals)	Interest Earned	Allocated Admin.	Balance at End of Quarter
Alameda County	329,261			7,005	(7)	336,259
Burney Basin	39,102			832	(1)	39,933
Butte County	406,722			8,653	(8)	415,367
Coachella Valley	1,085,999			23,105	(22)	1,109,082
Coalinga-Huron	8,910			190	0	9,100
Colusa	103,276			2,197	(2)	105,471
Compton Creek	73,450			1,563	(1)	75,012
Consolidated	455,816			9,698	(9)	465,505
Contra Costa	1,322,920		(276)	28,142	(27)	1,350,758
Durham	6,062			129	0	6,191
Fresno	251,688			5,355	(5)	257,038
Glenn County	44,338			943	(1)	45,280
Greater Los Angeles County	1,908,743			40,610	(38)	1,949,316
Lake County	160,068			3,405	(3)	163,470
Los Angeles County West	819,290			17,431	(17)	836,704
Marin-Sonoma	930,020			19,786	(19)	949,787
Monterey County	35,603			757	(1)	36,359
Napa County	1,554,982			33,082	(32)	1,588,032
Northwest	133,505			2,840	(3)	136,342
Orange County	581,291			12,367	(12)	593,646
Pine Grove	34,510			734	(1)	35,243
Placer	296,568			6,310	(6)	302,872
Sacramento-Yolo	1,912,713			40,693	(39)	1,953,367
San Gabriel Valley	203,096			4,321	(4)	207,413
San Joaquin County	179,126			3,811	(4)	182,933
San Mateo County	514,949			10,956	(11)	525,894
Santa Barbara County	92,354			1,965	(2)	94,317
Shasta	251,200			5,344	(5)	256,539
Sutter-Yuba	331,955			7,062	(7)	339,010
Tehama County	287,629			6,119	(6)	293,742
Turlock	26,618		(8,145)	480	0	18,953
West Valley	356,718			7,589	(7)	364,300
Total	14,738,481	0	(8,421)	313,474	(\$300.00)	15,043,235

Notes:

Yield to maturity rate on the VCJPA portfolio is 3.41% 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 March 31, 2025

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 March 31, 2025	Amount Over / (Under) Prudent Balance	
		A	B	C	D	E=SUM(A: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	336,259	(130,403)	
2	Burney Basin	2,000	10,000	2,000	1,000	15,000	9,871	19,742	34,742	39,933	5,191	
3	Butte County	20,000	50,000	2,000	1,000	73,000	168,492	336,984	409,984	415,367	5,383	
4	Coachella Valley	50,000	50,000	2,000	1,000	103,000	581,777	1,163,554	1,266,554	1,109,082	(157,472)	
5	Coalinga-Huron	2,000	5,000	2,000	1,000	10,000	3,936	7,872	17,872	9,100	(8,772)	
6	Colusa	2,000	10,000	2,000	1,000	15,000	23,416	46,832	61,832	105,471	43,639	
7	Compton Creek	5,000	5,000	2,000	1,000	13,000	18,249	36,498	49,498	75,012	25,514	
8	Consolidated	20,000	50,000	2,000	1,000	73,000	186,026	372,052	445,052	465,505	20,453	
9	Contra Costa	100,000	100,000	2,000	1,000	203,000	364,450	728,900	931,900	1,350,758	418,858	
10	Delta	10,000	20,000	2,000	1,000	33,000	204,394	408,788	441,788	0	0	
11	Durham	2,000	5,000	2,000	1,000	10,000	8,885	17,770	27,770	6,191	(21,579)	
12	Fresno	10,000	50,000	2,000	1,000	63,000	92,016	184,032	257,054	257,038	(16)	
13	Glenn County	2,000	10,000	2,000	1,000	15,000	14,579	29,158	44,158	45,280	1,122	
14	Greater Los Angeles County	150,000	100,000	2,000	1,000	253,000	879,847	1,759,694	2,012,694	1,949,316	(63,378)	
15	Kings	10,000	20,000	2,000	1,000	33,000	143,825	287,650	320,650	0	0	
16	Lake County	5,000	20,000	2,000	1,000	28,000	61,646	123,292	151,292	163,470	12,178	
17	Los Angeles County West	50,000	50,000	2,000	1,000	103,000	426,104	852,208	955,208	836,704	(118,504)	
18	Marin-Sonoma	100,000	100,000	2,000	1,000	203,000	430,648	861,296	1,064,296	949,787	(114,509)	
19	Napa County	10,000	50,000	2,000	1,000	63,000	98,359	196,718	259,718	1,588,032	1,328,314	
20	Monterey County	10,000	50,000	2,000	1,000	63,000	84,362	168,724	231,724	36,359	(195,365)	
21	Northwest	10,000	50,000	2,000	1,000	63,000	189,851	379,702	442,702	136,342	(306,360)	
22	Orange County	50,000	100,000	2,000	1,000	153,000	773,334	1,546,668	1,699,668	593,646	(1,106,022)	
23	Pine Grove	2,000	5,000	2,000	1,000	10,000	7,676	15,352	25,352	35,243	9,891	
24	Placer	2,000	20,000	2,000	1,000	25,000	211,859	423,718	448,718	302,872	(145,846)	
25	Sacramento-Yolo	100,000	100,000	2,000	1,000	203,000	553,082	1,106,164	1,309,164	1,953,367	644,203	
26	San Gabriel Valley	20,000	100,000	2,000	1,000	123,000	278,839	557,678	680,678	207,413	(473,265)	
27	San Joaquin County	100,000	100,000	2,000	1,000	203,000	291,174	582,348	785,348	182,933	(602,415)	
28	San Mateo County	20,000	50,000	2,000	1,000	73,000	305,300	610,600	683,600	525,894	(157,706)	
29	Santa Barbara County	5,000	10,000	2,000	1,000	18,000	47,496	94,992	112,992	94,317	(18,675)	
30	Shasta	5,000	50,000	2,000	1,000	58,000	158,082	316,164	374,164	256,539	(117,625)	
31	Sutter-Yuba	20,000	50,000	2,000	1,000	73,000	159,232	318,464	391,464	339,010	(52,454)	
32	Tehama County	2,000	20,000	2,000	1,000	25,000	45,724	91,448	116,448	293,742	177,294	
33	Turlock	20,000	50,000	2,000	1,000	73,000	106,742	213,484	286,484	18,953	(267,531)	
34	West Valley	20,000	50,000	2,000	1,000	73,000	184,443	368,886	441,886	364,300	(77,586)	
Total		956,000	1,560,000	68,000	34,000	2,618,000	7,310,547	14,621,094	17,249,116	15,043,235	(2,205,881)	

Sacramento-Yolo Mosquito & Vector Control District
 CERBT Strategy 3
 Entity #: SKB8-1375523307
 Quarter Ended March 31, 2025



Market Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Balance	\$2,242,305.03	\$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	42,897.49	108,700.28
Administrative Expenses	(151.65)	(585.86)
Investment Expense	(241.53)	(694.63)
Other	0.00	0.00
Ending Balance	\$2,284,809.34	\$2,284,809.34
FY End Contrib per GASB 74 Para 22	0.00	0.00
FY End Disbursement Accrual	0.00	0.00
Grand Total	\$2,284,809.34	\$2,284,809.34

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	18.105682	17.581516
Period Ending Unit Value	18.448886	18.448886

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

May 20, 2025 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 season is getting very busy and control operations are in full swing with the warm weather. We will continue to conduct more surveillance and control measures as needed. The District has begun testing both birds and mosquito collections this season and so far has not detected any positives. The State of California has seen some West Nile activity centered mostly in Southern California.

The AMCA Legislative Days were held May 12-16. I scheduled meetings with the offices of Senator Padilla and Schiff along with House Representatives Bera, Garamendi, Matsui, McClintock, and Thompson and some out of state members of Congress that sit on key committees. The main messages focused on increased funding for CDC through the SMASH Act to respond to disease outbreaks on a local level and to fund VectorSurv. Other issues include the Farm Bill, Unmanned Aerial Systems, and NPDES. I have attached the position papers for review.

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)**



American Mosquito Control Association Legislative Priorities

AMCA is a non-profit scientific, educational, and professional association. Our mission is to enhance health and quality of life through the suppression of vector-transmitted diseases and the reduction of mosquitoes and other pests by providing leadership, information, collaboration, and tools.

ISSUE

AMCA supports an increase in funding for **CDC's Epidemiology and Laboratory Capacity Grants** to support nationwide mosquito and other vector borne disease surveillance.

ISSUE

AMCA supports reauthorization of the **SMASH Act**, **PAHPA Act**, and the **Kay Hagan Tick Act** to protect public health.

ISSUE

AMCA supports efforts to enhance the role of **USDA's Office of Pest Management Policy (OPMP)** in the 2024 Farm Bill.

ISSUE

AMCA supports swift enactment of a **2024 Farm Bill** containing regulatory relief for pesticide users.

ISSUE

AMCA supports swift reintroduction and passage of the **Reducing Regulatory Burdens Act**.

ISSUE

AMCA opposes restrictions on access to **Unmanned Aerial Systems (UAS)** that are critical for mosquito monitoring and control.

ISSUE

AMCA supports the use of **Integrated Mosquito Management** on or near cannabis, hemp, and organic farms.

ISSUE

AMCA supports the enactment of the **Special District Fairness and Accessibility Act**
H.R 2776





America Needs Mosquito Control

ACTION

America's public sector mosquito control professionals call on Congress to reauthorize the Kay Hagan TICK Act and the SMASH Act as part of the PAHPA reauthorization, provide sufficient appropriations to the Centers for Disease Control and Prevention, and support vector control activities.

The Mosquito:
The World's
Deadliest Animal



WHY THIS MATTERS

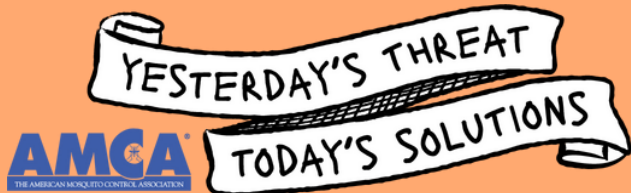
- Programs carried out by America's publicly funded mosquito control professionals are vital in the fight against deadly diseases.
- Risks of mosquito-borne disease (such as Malaria and Dengue Fever) continue to rise due to increasing international travel and commerce.
- Mosquitoes and other public health vectors diminish quality of life due to the discomfort associated with bites. In areas lacking effective control measures, individuals can experience over 100 bites per minute—posing more than just a nuisance, but a serious disruption to daily activities and well-being.
- Mosquitoes, ticks, and other vectors of public health importance have a significant negative impact on tourism, agriculture, and local economies – reducing attendance at outdoor events.
- The control of mosquitoes keeps workers, residents, and visitors healthy and able to fully participate in the nation's growing local economies.

RESOURCES



662.822.1270

 AMCA.TA@mosquito.org



Funding the SMASH Act and Nationwide Database for Vector Surveillance

ISSUE

Improved surveillance of mosquito populations and disease threats allow America's publicly funded mosquito control professionals to better target their activities, saving precious taxpayer dollars and improving public health protections.

ACTION

AMCA requests an additional \$10 Million in funding for the Centers For Disease Control (CDC), Epidemiology and Laboratory Capacity grants to enhance capacity for mosquito abatement programs and expand nation-wide surveillance of vector-borne disease.

RESOURCES



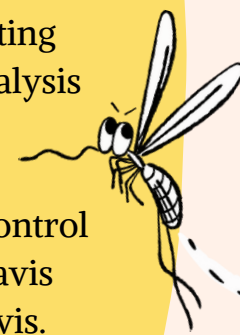
662.822.1270



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BACKGROUND

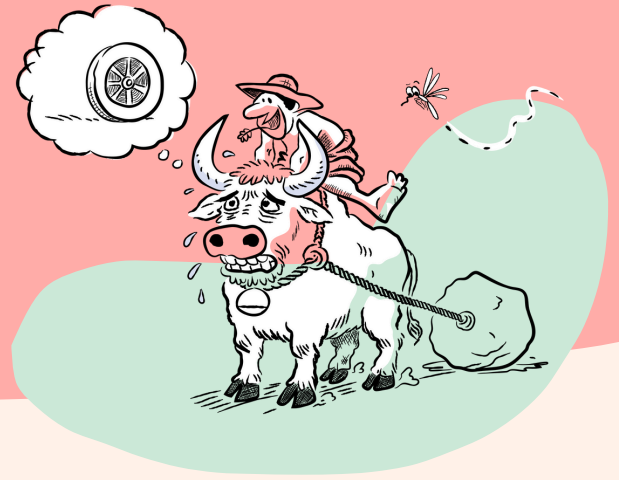
- The Strengthening Mosquito Abatement for Safety and Health (SMASH) Act authorizes CDC resources to be used to address emerging infectious mosquito-borne disease and improve existing control programs for the protection of public health.
- Improved surveillance capabilities can be realized through expansion of an existing database called VectorSurv: a web-based platform for data management and analysis currently used by vector control and public health agencies in the U.S.
- VectorSurv was initiated in 2006 as a partnership of the Mosquito and Vector Control Association of California, the California Department of Public Health, and the Davis Arbovirus Research and Training (DART) Lab at the University of California, Davis.
- VectorSurv is currently utilized by individual mosquito control districts in AZ, CA, FL, HI, NE, NC, ND, NJ, SD, TN, UT, WA and US-Affiliated Pacific Islands. But the gaps in these data lessen the utility of our integrated surveillance system.





YESTERDAY'S THREAT
TODAY'S SOLUTIONS

America's Mosquito Control Professionals Need a Farm Bill



LET'S GET THIS DONE

The 118th Congress's draft 2024 Farm Bill reported by the House Committee on Agriculture contained several important provisions that reduce regulatory burdens, as well as enhance communication and cooperation between federal, state, and industry stakeholders regarding pesticide regulation, some of which were included in the working draft of the Senate Committee on Agriculture, Nutrition, and Forestry.

AMCA calls on Congress to swiftly enact a Farm Bill that provides regulatory relief for pesticide users.

NOTABLE PROVISIONS SUPPORTED BY AMCA

- Enhanced coordination between the USDA Office of Pest Management Policy (OPMP) and the EPA.
- Elimination of costly, duplicative, and unnecessary Clean Water Act National Pollutant Discharge Elimination System (NPDES) permit requirements for pesticide applicators.
- Clarification on the role of state lead agencies regarding intrastate pesticide regulation.
- Clarification on the role of the EPA to determine the content of pesticide labels.
- Reauthorization of Interagency Working Group (IWG) for Federal Insecticide, Fungicide, Rodenticide Act (FIFRA) and the Endangered Species Act (ESA).

RESOURCES



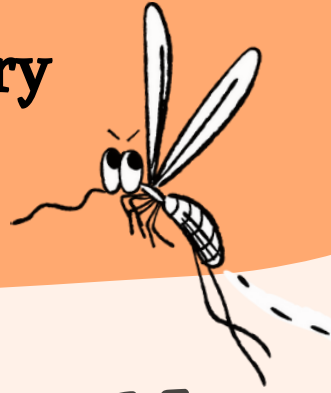
662.822.1270



AMCA.TA@mosquito.org



Reducing Regulatory Burdens Act



ISSUE

The requirement for duplicative permits under the Clean Water Act offers no environmental or public health protections and instead adds tremendous cost and bureaucracy that jeopardizes public health.

ACTION

The American Mosquito Control Association (AMCA) urges the re-introduction and passage of the “Reducing Regulatory Burdens Act.”

WHY THIS MATTERS

RESOURCES



AMCA.TA@mosquito.org



662.822.1270

MOSQUITOES ARE THE WORLD'S DEADLIEST ANIMAL

- Mosquito control professionals judiciously use EPA registered pesticides to safely minimize the threat of diseases carried by mosquitoes including Malaria, Dengue Fever, West Nile Virus, Eastern Equine Encephalitis, and other viruses.
- Regulatory burdens such as those imposed through litigation under the Clean Water Act impose substantial costs without any quantifiable benefits and restrict our ability to protect public health.
- Publicly funded mosquito control programs rely on taxpayer funding to protect public health. Additional costs reduce the funding available for mosquito control activities.
- The Reducing Regulatory Burdens Act will eliminate a costly, duplicative, and unnecessary Clean Water Act National Pollutant Discharge Elimination System (NPDES) permit requirement which severely hampers our member's ability to protect public health.





Unmanned Aerial Systems (UAS) in Mosquito and Vector Control

ISSUE

Legislation introduced in the 118th Congress including H.R. 820, the Foreign Adversary Communications Transparency Act, and H.R. 2864, the Countering CCP Drones Act, if enacted, will unduly restrict the use of UAS critical for public health and vector control purposes.

ACTION

AMCA requests that any legislation prohibiting access to drones manufactured by specific companies provide reasonable accommodation for those already purchased and utilized for public health and safety programs, including mosquito control and monitoring.

UAS IMPORTANCE

- AMCA members have been transitioning to the use of drones for both mosquito monitoring and public health-focused pesticide application.
- A 2023 AMCA member survey revealed that 56% of respondents are currently using drones and an additional 32% are planning to deploy drones.
- The common uses include larvicide applications in rural and urban areas, inspections for standing water, and mapping of potential breeding sites.
- Drones enable mosquito inspections and control in remote, hard-to-reach areas that would otherwise be inaccessible using traditional methods.
- Drones significantly enhance the efficiency and effectiveness of mosquito control operations, improving inspections and ensuring more timely control of mosquitoes and the diseases they transmit.



662.822.1270



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Special District Eligibility Act

ISSUE

Despite their significance, “special districts” are not formally defined in federal statute or considered a standard unit of government eligible to update or certify population and household statistics. This creates higher barriers to access direct, or pass-through federal programs intended to supplement local governments’ critical infrastructure and other essential services.



ACTION

AMCA calls for the enactment of Special District Fairness and Accessibility Act (H.R 2776) which would define “special district” in federal law for purposes of funding eligibility.

BACKGROUND

- Many mosquito and vector control programs throughout the United States exist in the form of Special Districts and are responsible for providing services to protect the health and well-being of their constituents.
- AMCA recognizes the importance of supplying a standardized definition of special districts so that they may be recognized as a legitimate government entity.
- We also recognize that although special districts typically have sustainable funding and support through leveraging local taxes, there are times when every special district, including those serving the purpose of mosquito control need to augment their local funding through federal assistance programs.
- AMCA supports the Special District Fairness and Accessibility Act (H.R 2776) which would require the Office of Management and Budget (OMB) to issue guidance within six months to federal agencies that clarifies and reinforces that special districts are local governments.

RESOURCES



AMCA.TA@mosquito.org



662.822.1270





Integrated Mosquito Management near cannabis, hemp, and organic farms

ISSUE

Integrated Pest Management (IPM) near cannabis, hemp, and organic farms is lacking and requires new pesticide tolerances and approval of products for use in these growing industries.

RESOURCES



662.822.1270



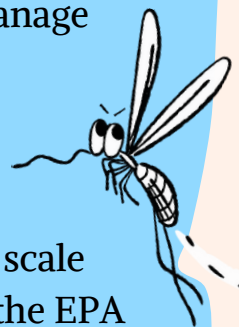
AMCA.TA@mosquito.org

ACTION

Congress should urge the EPA to recognize that Integrated Pest Management needs to occur in and around cannabis, hemp, and organic farms, which requires funding the development of more organic products that are for mosquito control. Simultaneously, research needs to be funded to develop science-based tolerances for cannabis and hemp crops.

BACKGROUND

- Organic, hemp, and cannabis production is increasing.
- There are no products labeled or approved for mosquito control use on these cannabis and hemp farms.
- The lack of pesticides that are registered to control mosquitoes on cannabis, hemp, and organic farms creates a gap in the public health infrastructure to manage future vector-borne public health outbreaks.
- EPA regulates all aspects of pesticides that are used by growers.
- Given that many new cannabis, hemp, and organic farms are smaller in scale and often located near residential areas, it is critical that Congress urge the EPA to take swift action to address the rapidly growing risk of mosquito-borne diseases.



LABORATORY

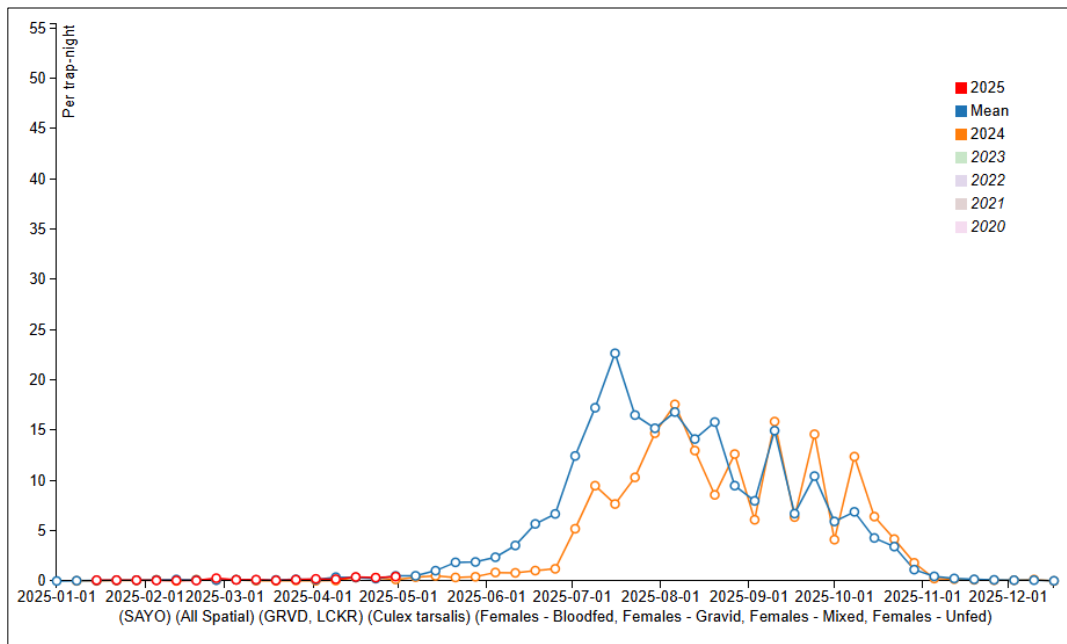
Monthly Report, May 2025 Board Meeting

Insectary:

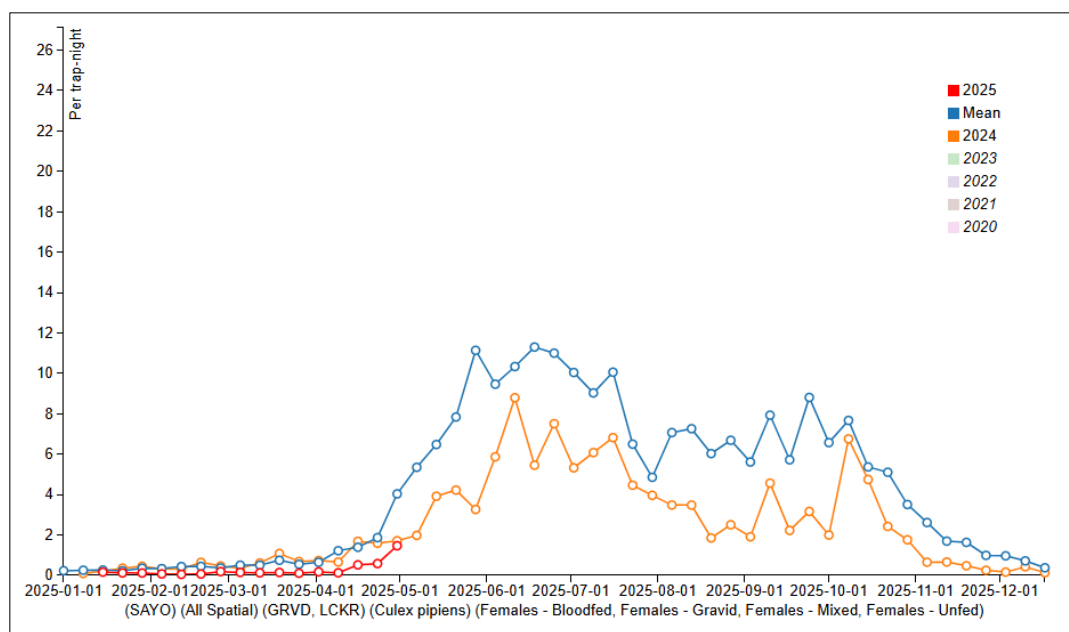
Species	Name	Origin	Resistance Status
<i>Culex tarsalis</i>	KNWR	Kern National Wildlife Refuge (2009)	susceptible
<i>Culex quinquefasciatus</i>	CQ1	Merced, CA (1950s)	susceptible
<i>Culex quinquefasciatus</i>	Sebring	Florida (1988)	susceptible
<i>Culex pipiens</i>	WCP	Woodland, CA (2023)	resistant: pyrethrins/pyrethroids, 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

Surveillance update through 5/5/2025

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) – This program will resume on May 19, 2025.

Dead bird surveillance – The dead bird call center is open and the District has begun collecting dead birds. The first results will be available Mid-May.

Rice surveillance – Counter traps will be deployed in late May within rice field agroecosystems (Winters, Natomas, Conaway, Yolo Bypass, and District 108).

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

***Aedes aegypti* trapping effort in Sacramento and Yolo Counties** – Surveillance for *Aedes aegypti* and *Aedes albopictus* has begun. *Aedes aegypti* activity was confirmed in Sacramento. The cumulative 2025 trapping effort is shown below.

City	County	Trap nights	2025 total males and females collected	
			<i>Aedes aegypti</i>	<i>Aedes albopictus</i>
Citrus Heights	Sacramento	1		
Sacramento	Sacramento	146	7	

Tick surveillance – Tick surveillance continues. Each permanent site is flagged once per month. Collections sites were selected based on land use and habitat. All *Ixodes pacificus* collections were separated by sex, collected in samples up to five ticks, and tested for *Borrelia burgdorferi* sensu lato, the causative agent of Lyme disease. The following table shows the number of ticks collected November 2024 – April 2025 by city and the minimum infection prevalence for *Borrelia burgdorferi*.

***Ixodes pacificus* minimum infection prevalence (MIP*) for *Borrelia burgdorferi* s.l.**

City	County	Nov 2024		Dec 2024		Jan 2025		Feb 2025		Mar 2025		Apr 2025	
		Total collected	MIP	Total collected	MIP	Total collected	MIP	Total collected	MIP	Total collected	MIP	Total collected	MIP
Brooks	Yolo	1		8		15		22		41		14	
Carmichael	Sacramento	1		0		5		1		1		0	
Fair Oaks	Sacramento	25		32	6.3	33		28	3.6	23		8	
Folsom	Sacramento	31		139	4.3	182	1.1	165	1.8	95	2.1	100	
Gold River	Sacramento	48	2.1	11	9.1	33	6.1	15		14		28	17.9
Orangevale	Sacramento	4		82	6.1	55	1.8	26		1		15	
Rancho Cordova	Sacramento	25		4		14		9		4		10	
Rumsey	Yolo	0		8		24		0		15		1	
Winters	Yolo	6		0		1		1		0		0	

*Minimum Infection Prevalence (MIP): MIP is equal to the number of positive pools divided by the number of ticks tested multiplied by 100.

The California Arbovirus Surveillance Bulletin Week 18, May 2, 2025

2024 & 2025 YTD West Nile Virus Comparisons		
	2024	2025
Total No. Dead Bird Reports	1,020	2,462
No. Positive Counties	5	2
No. Human Cases	0	0
No. Positive Dead Birds / No. Tested	14 / 132	8 / 176
No. Positive Mosquito Pools / No. Tested	1 / 3,246	0 / 3,715
No. Seroconversions / No. Tested	0 / 8	0 / 35

YTD WNV Activity by Element and County, 2025					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			4		
Santa Clara			4		
Totals			8		

ECOLOGICAL MANAGEMENT DEPARTMENT

May 2025 Board Update

Ecological Management Projects

Cosumnes River Preserve

The Cosumnes River Preserve is a 2700-acre Federal Wildlife Preserve just south of Elk Grove, and is an ecological area comprising 1600 acres of wetland and riparian habitat alongside 1100 acres of organic rice fields. Recently, the preserve manager reached out to Ecological Management staff for assistance with vegetation control along the wetland and rice roads. In response, the Ecological Management staff mowed approximately 14.5 miles of these roads, ensuring District technicians have improved access to numerous mosquito breeding sites. This is particularly significant in the lower riparian areas, where tidal flows create conditions conducive to mosquito breeding, highlighting the importance of this access for effective mosquito control efforts.

Massey Ferguson Mowing Video - <https://www.youtube.com/shorts/FjTawrWSz8k>

Hawk Creek Ranch

Hawk Creek Ranch, a 443-acre pistachio farm along the banks of Cache Creek in Yolo County. This ranch has approximately 11.98 acres of detention basins bordering the Wild Wings Golf Club. These basins, which collect both winter effluent and seepage from a nearby concrete-lined irrigation canal, had become overgrown, hindering effective mosquito control efforts. Ecological Management staff mowed pathways to create access points for Control Operations staff, which is crucial for the deployment of mosquitofish. By strategically "notching" these paths through the dense vegetation, the mosquitofish can reach mosquito breeding sites, enabling them to act as a natural and sustainable biological control agent.



Before



After

Wetland Program

State and Federal Wetland Preserves/Refuges- Staff attended the annual drawdown and irrigation meeting for Stone Lake National Wildlife Refuge (SLNWR) to discuss their annual wetland management plans. Staff are working closely with the refuge manager to address certain Best Management Practices (BMP's) that will reduce the amount of breeding and harborage areas on preserve/refuge properties. Staff is currently working with the refuge manager to allow Unmanned Aircraft Systems (UAS) to perform treatments on federal refuge property. Once a Special Use Permit (SUP) is obtained by the refuge manager, then larval treatments can commence using UAS aircraft.

In May, staff will attend additional drawdown and wetland management meetings with Cosumnes River Preserve (CRP) and Yolo Bypass Wildlife Area (YBWA) in Yolo County to discuss their annual management plans.

Private Wetlands- Staff has reviewed the California Waterfowl Habitat Program (CWHP) work plans for private wetlands enrolled in the Presley Program. This program is administered by California Department of Fish and Wildlife (CDFW) Wetlands Conservation Program in Yolo County. Currently there are 6 private duck clubs enrolled in the program (Bull Sprig, Glide In Ranch, Senator Outing, Skyrakers, H Pond and Mound Farms). These work plans cover timing and length of irrigations, vegetation management and water delivery maintenance. Staff is scheduled to meet with WCP representatives at each site and make recommendations that will enhance their objectives while limiting mosquito populations.

BIOLOGICAL CONTROL

Monthly Report for May 2025 Board Meeting

In April, the Fisheries Department completed the transfer of mosquitofish from our netted ponds to our open grow-out ponds. In total, 435 pounds of mosquitofish were moved during this process. We started to see our first fry of the year on April 21st, indicating our mosquitofish season is on schedule. When fry are first detected, we start feeding twice daily. These fish are left to grow in the ponds until our rice stocking program begins, which should start in mid to late June. We will supplement our program by seining outside sources if additional fish are needed during this period.

Furthermore, we were delighted to welcome two new seasonal employees, whose contributions are greatly valued. In addition to supporting Fisheries operations, they assisted the Ecological Department with cemetery vase inspections and treatments and trained with the Aedes, North Sacramento, and South Sacramento departments. The fisheries department also constructed a new holding pen for the sheep and goat near the eastern ponds where they can free range to help control weeds. Lastly, in collaboration with the CDFW, the first batch of Sacramento Perch was stocked in our cement pond. We should be seeing fingerling-sized fish in the coming weeks.

Log of Treatment Applied for April

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish (<i>Gambusia affinis</i>)	85 lbs	309 Acres	639
Guppies (<i>Poecilia reticulata</i>)	0 lbs	0 Acres	0

Log of Treatment Applied for the year 2025

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish	121.5 lbs	398.5 Acres	938
Guppies	0 lbs	0 Acres	0

Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
35,000.00	19,242.82	15,757.18	55%

Top Left : *Picture of cement pond fertilized and being refilled.*

Top Right : *Picture of Sacramento Perch Larvae (*Archoplites interruptus*).*

Bottom : *Picture of Chris Miller stocking the first batch of Sacramento Perch larvae.*

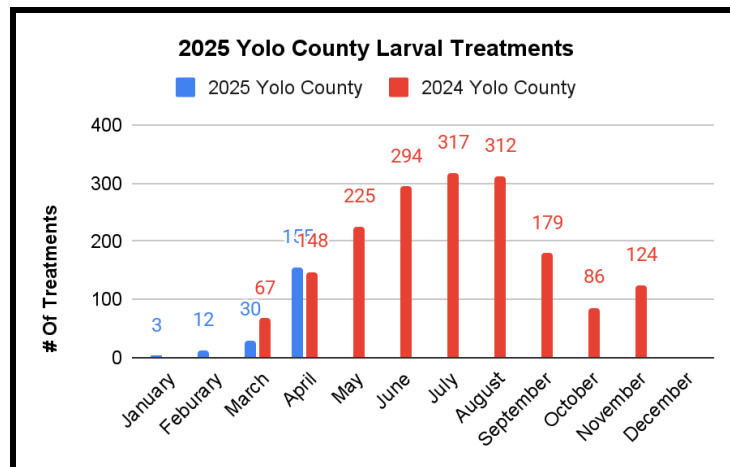
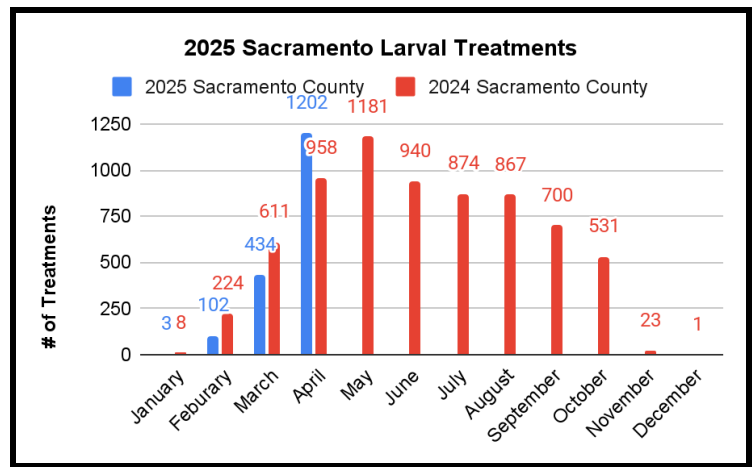
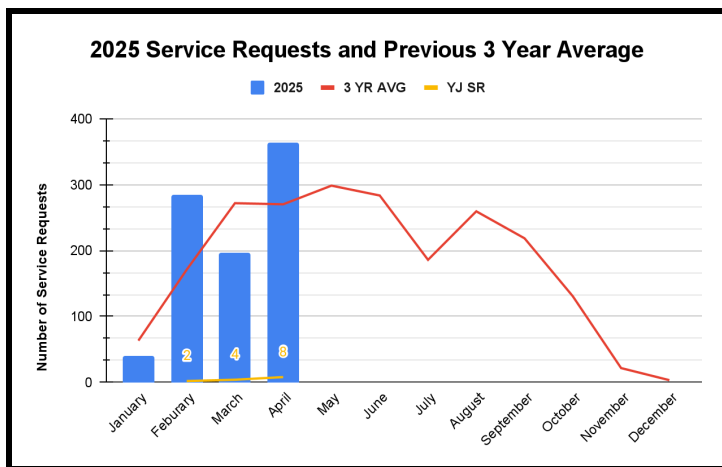


CONTROL OPERATIONS

Monthly Report for the May 2025 Board Meeting

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

No response was needed for WNV control in the month of April. Spring sources, treeholes, and early irrigated fields and small wetlands areas were treated in addition to residential barrier treatments made in response to the service requests received in both counties.



No aerial applications have been performed in 2025.

Urban Control Operations: Catch Basin Program

Catch basin Program has treated 4,991 and Inspected 22,306 Basins to date. In 2024 a total of 9,338 were treated at this time. As new vehicles become available the department will continue normal treatment and surveillance operations. The Catch Basin Program will continue its efficacy sampling sites to monitor efficacy of each product throughout the District.

Invasive Aedes Control Program

In the month of April, staff performed surveillance by setting 142 BG traps with the first detections found April 14th in South Natomas. Additional low abundance detections were found in Arden Park, Rosemont, and Upper Land Park in Sacramento County. Staff visited over 140 homes focusing on surveillance while canvassing the South Natomas area for trap locations for possible SIT trials later this year.

Pool Program

The District's green pool mailer program mailed out four hundred fifty four notices to homeowners in Zones 27, 31, and 47 this spring. In response to the mailers, property owners have been responding by updating the District on the current status of their pool including requesting assistance in treating mosquito larvae if it is not maintained as an operational blue pool, including an increase of mosquito fish plants over previous years. At the time of this written report, two hundred and eighty residents have responded. Two additional zones will be mailed out later this month.

Yellow Jacket Control

Both Sacramento Control crews set out baited yellow jacket traps in April to catch emerging yellowjacket queens looking to start a new nest. These traps will be collected on a monthly basis and reset until yellowjacket queens are no longer collected.

PUBLIC INFORMATION AND EDUCATION

Monthly Report for May Board Meeting

Advertising

The 2025 advertising campaign launched during Mosquito Awareness Week (MAW) with radio commercials airing on both English and Spanish stations to announce the start of mosquito season and encourage residents to take preventive measures and utilize District services. Moving forward beyond MAW, the 2025 media plan, which includes a wide mix of advertising outlets including television, radio, outdoor billboards, digital ads and cable ads, is nearly finalized and contracts are being negotiated by media consultant Gary Benjamin in coordination with District staff.

CW 31 and Rivercats Partnership

In addition to the traditional media components of our advertising campaign, we are continuing our partnership with local television station CW 31 and the Sacramento River Cats, the region's minor league baseball team. As CW 31 broadcasts all River Cats home games throughout the season, our media buy includes live mentions during the games. These mentions feature key messages such as, "The Sacramento-Yolo Mosquito and Vector Control District reminds you to Fight the Bite and protect yourself from mosquitoes by using an effective repellent when spending time outdoors." We also sponsor a segment titled 'The Swat of the Game,' which includes a live prevention message, along with the District's logo and website.

Government affairs:

As part of our government affairs efforts and outreach to local elected officials, we have coordinated and scheduled annual District update presentations with all cities in our service area. The following presentations are set to take place in May:

May 13: Folsom
May 20: Winters
May 20: Davis
May 28: Elk Grove

In addition, we have met with District 3 Vice Mayor Karina Talamantes and her staff, as well as Sacramento County Supervisor for District 1, Phil Serna, to discuss the implementation of the SIT project in South Natomas.

School Program

Our school outreach program remains active, with "What Bugs You" assemblies—coordinated in partnership with Red Shoe Productions—currently taking place at various schools throughout the region. In April, we hosted seven assemblies, reaching approximately 1,876 students, along with teachers and school staff. The following assemblies are scheduled for May:

May:

May 1: Carroll Elementary

May 9: Shirley Rominger Elementary
May 30: Westmore Oaks Elementary

Events:

May is one of our most event-filled months, with a total of seven scheduled events, including five consecutive days at the Sacramento County Fair. Among the highlights is *Walk on the Wildside*, a popular event held at Beach Lake Park within the Stone Lakes Preserve. The event features wetland tours, conservation exhibits, and numerous activities for children. Additionally, for the second year in a row, we will participate in and partner with Save the Snakes for their annual Snake Fest.

May events:

May 10: iFest in Rancho Cordova
May 10: Snake Fest
May 16: Celebrate Davis
May 17: A Walk on the Wildside
May 24: International Kids Day
May 22-26: Sac County Fair
May 31: West Sacramento Health Resource Fair

Repellent Distribution and materials

We continue to receive requests for repellent wipes from various community organizations. In recent weeks we have donated wipes to Clothing and Food for Everyone, a nonprofit organization that helps provide resources to homeless residents in the region. In addition, the Lyme disease foundation also requested wipes for outreach events. Lastly, the Galt Historical Society and Kiwanis club requested wipes for upcoming community events they are hosting.

Social Media

Our social media efforts continue and to date we have 14,000 followers on Facebook. Content is focused on reporting dead birds, promotion of District services and tick prevention for Lyme Awareness Month.

New Materials

As we advance the SIT project in South Natomas, we are creating a dedicated website landing page to provide residents with easy access to all relevant information. In addition, we are preparing door hangers for our urban operations staff to distribute as they canvas the area and initiate outreach efforts. Lastly, we have produced new vehicle decals for the Catch Basin jeeps, featuring a QR code that residents can scan to learn more about the various functions of the catch basin program.

Sacramento-Yolo Mosquito and Vector Control District

May 20, 2025 Board Meeting

4. Board Review and Discussion of District Plan for 2025 Rice Larvicide Applications and Aerial Adulticiding Program

Staff Report:

RICE LARVICIDE PROGRAM

The District is anticipating similar rice acreage for 2025 compared to last year (~43,561) based on flooding observations, early conversations with rice growers and water availability. Staff will be able to provide a better estimate for rice acreage during the June Board meeting.

The District will continue using *Bacillus thuringiensis var. israelensis* (Bti) products as the primary active ingredient in the larvicide program. Both liquid and granular options will be used for both conventional and organic rice. The District applied approximately 2,219 gallons of liquid larvicides and 414,830 lbs. of dry granular products last season. It should be noted that the products for organic rice cost more than the ones for conventional rice. In order to assist with mosquito control in the organic rice habitat we plan to continue stocking the rice fields with mosquito fish at a higher rate than we use for conventional rice fields.

Cost of Larvicide Products used in Rice

<u>Product</u>	<u>Cost</u>	<u>Cost per Acre</u>	<u>Organic</u>
Vectobac 12AS (8-16 floz/ac)	\$32.20/gal	\$2.01-\$4.03	No
Vectobac WDG (3-5 oz/ac)	\$38.73/lb	\$7.26-\$12.10	Yes
Vectobac GR (5lb/ac)	\$2.01/lb	\$10.05	Yes
Vectobac GS (5lb/ac)	\$1.65/lb	\$8.25	No
Altosid Liquid (1 oz/ac)	\$1074.40/gal	\$8.39	No
Duplex (liquid Bti + Altosid)		\$12.42	No
Vectobac FG+ (3lb/ac)	\$4.07/lb	\$12.21	Yes

The District continued using scheduled weekly larvicide treatments on rice fields from July into late September of 2024. This process freed up multiple technicians from weekly rice dipping and allowed them to stay in their assigned zones treating other sources. The scheduled treatment program will continue to be implemented in buffer zones around dense population areas for the 2025 season. Rice larval inspections (dipping) will still be performed in treatment areas periodically to assess effectiveness of treatments.

Farm Air Flying Service will continue to be our primary aerial larvicide applicator as we have been very happy with their services. With some minor acreages treated by the District's drone contractor; Central UAS Technologies (formerly Leading Edge Aerial Technologies, LLC.)

AERIAL ADULTICIDE PROGRAM

The District will continue its contract with Vector Disease Control International (VDCI) to perform aerial adult mosquito control. Our portion of the contract specifies a minimum acreage of 530,000 acres of treatments at the contract price. Any overage is charged as an additional expense. Last season we treated 537,988 acres due to mosquitoes produced in the rice field habitats along with West Nile virus activity.

Adulticide treatments in the rice habitat last year involved both aerial applications by VDCI and truck applications by our field technicians. We will continue utilizing both application methods this season and plan on continuing our evaluations of our treatments to further maximize our effectiveness.




The District's adult mosquito control program utilizes two main products during the year. Pyrethrin is used at the beginning of the season and then the District switches to Naled at mid-season until the end of the mosquito breeding season. The District has used Merus 3.0 which is a pyrethrin based adulticide labeled for aerial applications over organic rice fields in previous seasons. The organic fields present a challenge in controlling adult mosquitoes as Merus 3.0 is the only registered product available for ULV applications over organic properties. This year the District will use Merus 3.0 as needed for WNV response to control adult mosquitos over organic rice growing areas. The cost of this organic approved product is \$6.48 per acre at 2.0 fl oz per acre vs the typical cost of \$.92 per acre at 0.61 fl oz per acre for conventional pyrethrin products.

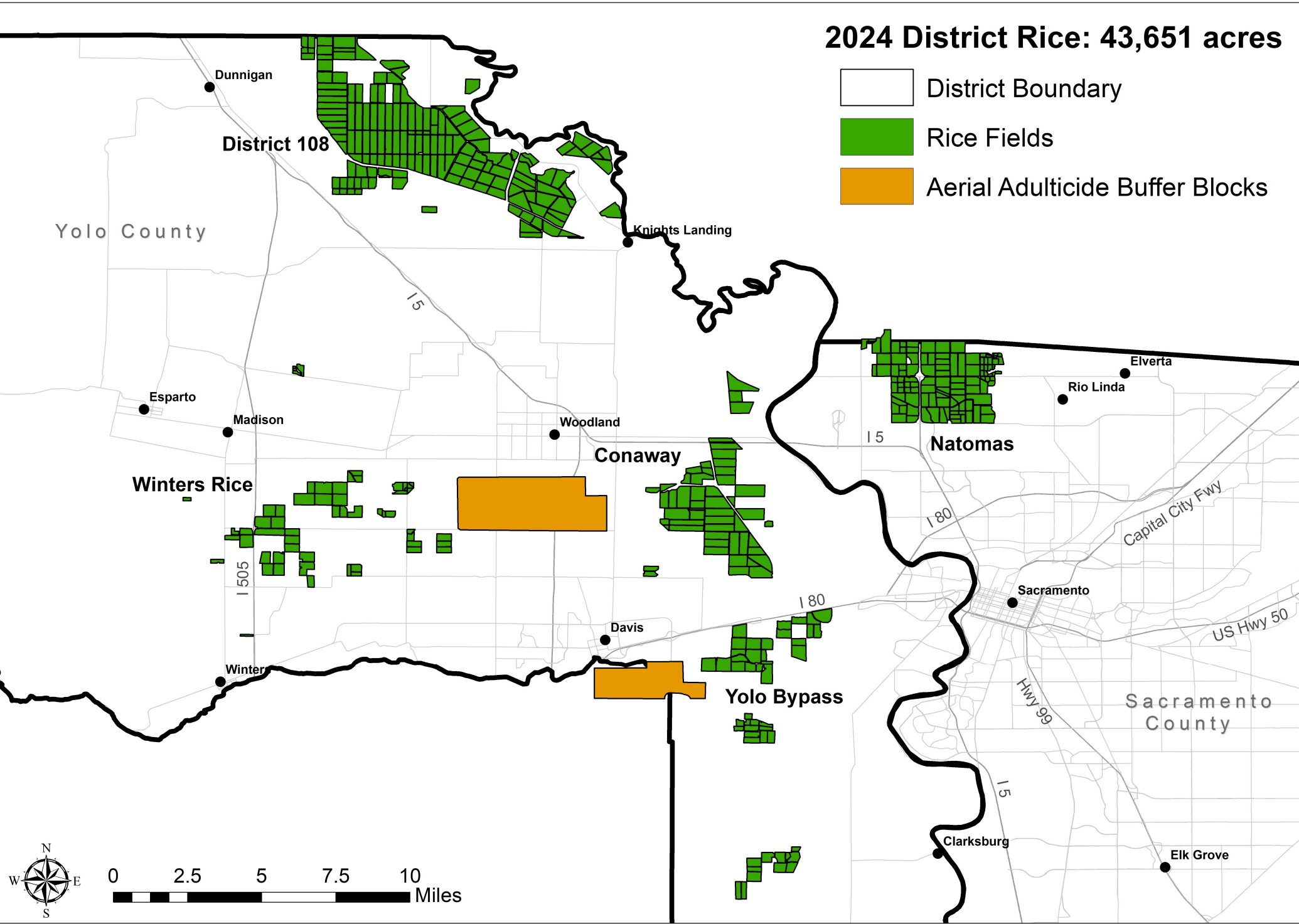
The following is an acre breakdown for each of the rice growing areas the District treated aerially last year as identified with the attached map.

Conaway (Organic Rice)- No applications
Natomas -62,900 acres -9 applications
Davis Area -128,250 acres -25 applications
Merritt -100,755 acres -15 applications
District 108 -178,779 acres -17 applications
Winters Rice – 67,304 acres – 7 applications

Recommendation
Report to Board

2024 District Rice: 43,651 acres

-  District Boundary
-  Rice Fields
-  Aerial Adulicide Buffer Blocks



Sacramento-Yolo Mosquito and Vector Control District

May 20, 2025 Board Meeting

5. Board Review and Discussion of District Projects and Collaborations for the 2025 Season

Mosquito repellent properties of garden plants: This project explores the mosquito-repellent properties of select garden plants by testing their effectiveness both in controlled laboratory conditions and in the field. We aim to evaluate how well these plants deter mosquitoes compared to commercially available special repellents. Using mosquito trapping and quantitative analysis, we will assess and compare repellent activity to determine which natural options offer viable, eco-friendly alternatives for mosquito control.

Controlling *Aedes aegypti* with Sterile Insect Technique (SIT): From July – October 2025 the District will conduct a SIT trial in South Natomas. Wolbachia infected male mosquitoes from MosquitoMate will be released on a weekly basis and the District will closely monitor the impact on the *Aedes aegypti* population in the area.

Modified shelf stable CO₂: Building on 2024 findings, we plan to expand our partnership with Garden City Fungi and AQUEHS (Daniel Mendoza) to investigate the use of ExHale bags as a source of CO₂ for mosquito trapping. <https://www.exhaleco2bags.com>

Family-level insecticide resistance investigation in *Culex pipiens*: By leveraging natural genetic variations in mosquitoes, we can better understand the mechanisms that drive insecticide resistance at the population level, and potentially discover specific genes and pathways associated with resistance. For this project we will utilize siblings from a single egg raft to evaluate family-level differences in insecticide knockdown times and can use this data to determine resistance levels and the heritability of resistance traits.

Expanded dog heartworm surveillance: In 2024, the District detected multiple mosquito pools positive for heartworm, including *Anopheles freeborni*, *Culiseta incidens*, *Culex pipiens*, and *Culex tarsalis*. For 2025, we plan to build upon baseline infection rates by expanding heartworm surveillance through our existing West Nile virus EVS trapping and pooling system.

Sumilarv in cemetery vases: An estimated 247,000 in-ground cemetery vases across 37 cemeteries in Sacramento and Yolo counties collect water and serve as breeding grounds for mosquitoes. These vases pose a unique challenge due to unpredictable water disturbance. In 2025, we will test Sumilarv at a new application rate, as well as evaluate the effectiveness of zinc-coated vases in limiting mosquito development.

Effectiveness of Operational Mosquito Control: Evaluating the effectiveness of aerial mosquito control in rice fields is complex due to environmental factors and trapping limitations. In 2025, we will implement a continuous, large-scale mosquito monitoring schedule in rice fields to better understand mosquito population dynamics and assess intervention outcomes, and assess the performance of Evergreen Air, a new adult mosquito control product for the District.

Diel activity patterns for adult female mosquitoes across different landscapes: 2025 is year two of this project. During 2024 activity mosquito activity patterns were investigated in 3 rural and three urban areas in Sacramento County. This year the study will be repeated in Yolo County.

Collaboration with Andrea Swei (San Francisco State University): Currently, the District's tick program focuses on passive surveillance and outreach. For the 2025–2026 seasons, we will explore implementing direct intervention methods—such as acaricide tubes and non-nutritive bait boxes—in areas where there is elevated *Borrelia burgdoferi* prevalence in *Ixodes pacificus*.

Collaboration with Janet Foley (UC Davis): In 2024, the District identified a brown dog tick (*Rhipicephalus sanguineus*) infestation in South Sacramento affecting four adjoining properties. As part of a collaboration with UC Davis, we implemented a targeted surveillance and abatement program, including residual barrier spraying, tick/flea collars, and community education in both English and Spanish. In 2025, we will continue surveillance and eradication efforts to manage this public health risk associated with Rocky Mountain Spotted Fever (RMSF).

Sacramento-Yolo Mosquito and Vector Control District

May 20, 2025 Board Meeting

6. Board Review and Discussion of Draft District Budget for 2025-2026

Staff Report:

Please find enclosed the first draft of the 2025-2026 District Budget.

A few highlights of the draft budget:

- 1) Revenue projections are estimated to be 5.21% higher in Sacramento County and 5.53% higher in Yolo County.
- 2) The District has not received our allotment from the April property tax payments yet, so our revenue estimates could increase.
- 3) The District's CalPERS UAL is currently about \$11.3M which is \$1M less than last year. The decrease is due to the decent returns that the fund received in 2023 along with the additional payment that the District made last year. These valuations are a year behind and do not include the nearly \$4.5M contribution the District made last fiscal year. Staff will continue a more aggressive payment schedule to help reduce the long-term impacts and save the District money when feasible. The early returns for 2024 will probably show a decrease to the amount in the next valuation. The District is proposing making an additional discretionary payment to CalPERS in the amount of \$2M to accompany our already aggressive approach. The UAL for the PEPR plan is approximately \$110,000 and is currently 94.3% funded for the year.
- 4) The District is planning on researching capital expenditure projects this fiscal year including additional parking options, security cameras/upgrades. Planned purchases of equipment needed to conduct daily activities across various departments will also be considered.
- 5) The Consumer Price Index (CPI) for the West Region (as found on the U.S. Department of Labor, Bureau of Labor Statistics web site) for March 2025 is ~2.2%.

Recommendation:

For Board review and discussion. Staff will bring the 2025-2026 Budget to the Board again in June as another draft and then for adoption at the July meeting.



Sacramento-Yolo Mosquito and Vector Control District

Fiscal Year 2025-2026 Budget

ANTICIPATED REVENUES AND ESTIMATED EXPENDITURES**Revenues**

Fiscal year revenue is determined through a growth forecast provided by the auditor controller of each County. These estimates are based on the preliminary tax rolls as of July 1. Several revenue categories are affected by property tax growth within Sacramento and Yolo Counties. These categories consist primarily of current secured and current unsecured tax monies. The District apportionment factor for secured and unsecured properties ranges between 0.007-0.008 of 1% of total valuation. The blended increase in revenue based on the values below from the county assessor offices would be 5.26%.

Year	SACRAMENTO COUNTY			YOLO COUNTY	
	Roll Values	Percentage +/-		Roll Values	Percentage +/-
2024-2025	\$231,677,621,525	5.21%		\$ 37,997,277,511	5.53%
2023-2024	\$220,199,116,417	5.89%		\$ 36,006,664,106	6.50%
2022-2023	\$207,950,908,628	4.13%		\$ 33,810,030,902	7.23%
2021-2022	\$199,704,342,326	5.19%		\$ 31,529,700,763	4.45%
2020-2021	\$189,847,799,296	5.96%		\$ 30,187,640,497	5.15%
2019-2020	\$179,165,611,212	6.53%		\$ 28,709,919,136	5.50%
2018-2019	\$168,181,179,703	6.75%		\$ 27,213,887,559	5.66%
2017-2018	\$157,548,104,712	6.41%		\$ 25,755,158,261	5.28%
2016-2017	\$148,052,405,413	5.23%		\$ 24,464,019,591	5.27%
2015-2016	\$140,691,283,846	4.60%		\$ 23,239,449,070	6.51%
2014-2015	\$134,497,818,408	6.48%		\$ 21,818,600,599	6.56%
2013-2014	\$126,311,591,786	3.96%		\$ 20,475,478,048	4.16%
2012-2013	\$121,495,031,861	-2.66%		\$ 19,658,240,750	-0.29%
2011-2012	\$124,811,746,576	-3.07%		\$ 19,715,449,214	-0.80%
2010-2011	\$128,769,550,688	-2.17%		\$ 19,873,612,792	-1.91%
2009-2010	\$131,627,517,985	-6.40%		\$ 20,260,502,208	-0.33%
2008-2009	\$140,630,362,269	2.12%		\$ 20,326,879,135	3.34%

Anticipated Revenues

Anticipated revenues are generated from past performance with projections added from assessed value growth in both counties. The current housing market is slowing down but with higher prices due to the interest rates. We conservatively anticipate fiscal year 2025-2026 revenues, including supplemental tax and non-tax revenues, to be approximately **\$21,839,259** as outlined below including a 5% increase over last year:

Sacramento County Property Tax Revenues \$ 18,062,362

Minus property tax administration fees \$ 155,000

Subtotal \$ 17,907,362

Yolo County Property Tax Revenues \$ 3,106,897

Minus property tax administration fees \$ 25,000

Subtotal \$ 3,081,897

Anticipated Total Property Tax Revenue	\$ 20,989,259
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Anticipated Interest Earnings	\$ 175,000
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Other Tax Revenues	\$ 500,000
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Other Revenue (rent, mosquito control payments, etc.)	\$ 175,000
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Anticipated Total Revenues for FY 2024-2025:	\$ 21,839,259
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Cash In Bank

The District will start off with “cash in bank” often equal to the amount of revenue received for a fiscal year, and may give the appearance of over-funding, but does not take into account the need for “dry financing” cash to sustain operations between tax receipts. The District anticipates starting the 2025-2026 fiscal year with just over \$16,000,000.

District Fund Balance-Pursuant to Resolution 06-21-11 (District Fund Balance Policy), District reserves have been placed in the following three categories:

Committed Fund Balance

The Board of Trustees, as the District’s highest level of decision-making authority, may commit fund balance for specific purposes pursuant to constraints imposed by formal actions taken, such as a resolution. These committed amounts cannot be used for any other purpose unless the Board of Trustees removes or changes the specified use through the same type of formal action taken to establish the commitment. The Board of Trustees action to commit fund balance needs to occur within the fiscal reporting period; however, the amount can be determined subsequently.

- **Reserve for Vector / Disease Response**

The District’s General Fund balance committed for a public health emergency is established at \$3,000,000. The specific uses include overtime hours, additional aircraft work, and additional larval control in the event of a public health emergency requiring immediate District response that cannot be absorbed through the existing budget.

- **Capital Expenditures**

Fund balance levels must be sufficient to meet funding requirements for capital expenses of: capital outlay, research, and building improvement. \$700,000 is currently assigned for this category.

<u>25-26 Proposed Capital Expenditures</u>	
Ecological Management	
Pallet Forks Skid Steer	\$2,500
Third Function Hydraulic Pump	\$8,000
7011-Eco Management Total	\$ 10,500
Control	
Suzuki Air Cooled ATV x 8	\$70,000
7011- Control	\$70,000

Information Technology	
Desktop Upgrades	\$ 6,000
Server/Network	\$ 5,000
7011 – Information Technology	\$11,000
Shop	
Strut/Spring Tool	\$ 2,000
Metal Worker Expansion Tools	\$15,000
7011-Shop Total	\$ 17,000
7011- Construction in Progress (Lab Aux Room Remodel)	\$ 150,000
7011-Capital Outlay Total	\$ 258,500
Building Improvement	
Security Cameras with Monitoring	\$30,000
Key card Access in Buildings	\$55,000
Replace Woodland Roof	\$ 40,000
Parking Garage	\$ 120,000
Additional Parking Spaces/Landscaping	\$ 100,000
7035-Building Improvement Total	\$ 345,000
Research	
AMCARF	\$ 125,000
7030 -Research Total	\$ 125,000
Grand Total All Capital Outlay Accounts	\$ 728,500

Assigned Fund Balance

Amounts that are constrained by the District's *intent* to be used for specific purposes, but are neither restricted nor committed, should be reported as assigned fund balance. District policy delegates the authority to assign amounts to be used for specific purposes to the Manager for the purpose of reporting these amounts in the annual financial statements.

- **Salaries and Benefits**

Fund balance levels must be sufficient to meet funding requirements for salaries, PERS retirement, group insurance, and unemployment insurance.

- **Operational Expenditures**

Fund balance levels must be sufficient to meet funding requirements for operational functions of: liability insurance, auditing/fiscal services, communications, public information, structure and grounds, membership/education/training, office, professional services, material and supplies, rents and leases, safety program, utilities, aircraft services, ecological management, microbials, biorationals, insecticides, fisheries, geographic information systems, information technology, control operations, vehicle parts and labor, lab services, gas and petroleum.

- **Cash with Fiscal Agent**

Fund balance levels must be sufficient to meet funding requirements of the Vector Control Joint Powers Agency. The established prudent balance is figured using two potential “hits” or cases per category as illustrated in the table below.

The projected balance at 6/30/25 is anticipated to be \$1,953,367 and will be updated with a final balance once the last quarter and year-end gain/loss reports have been made available.

Policy/Payment Type	Deductible	Premium	x2
Workers' Comp	\$ 50,000		\$ 100,000
Liability	\$ 50,000		\$ 100,000
APD	\$ 500		\$ 2,000
Property	\$ 500		\$ 1,000
24-25 Premium to be Invoiced		\$ 574,234	\$ 1,148,468
Suggested Prudent Balance			\$ 1,351,468
Estimated Balance as of 6/30/2025			\$ 1,953, 367
Est. Payment to Maintain Prudent Balance			\$ -

Unassigned Fund Balance

These are residual positive net resources of the general fund in excess of what can be properly classified in one of the other four categories. This accounts for the need of “dry financing” cash to sustain operations between tax receipts, as well as any reductions in revenues from unrealized growth. District staff anticipates this to be approximately \$3,645,000 as illustrated in the chart below.

District Estimated Reserves & Fund Balance at 6/30/24	
Cash in County Treasury	\$ 16,000,000
Disease Response	\$ 3,000,000
Capital Outlay	\$ 700,000
Building Improvement Fund	\$ 1,155,000
Dry Financing	\$ 7,500,000
Unassigned Reserves	\$ 3,645,000

ANTICIPATED EXPENDITURES

The District is concerned about the current state of the economy and the potential long-term impact as it relates to future revenues of the District. Staff has been in contact with both Sacramento and Yolo County Assessor's offices along with CalPERS to assess future revenue limitations. The general consensus is that the long term fiscal impacts are not currently known.

Personnel Expenditures

The District expenditures for salaries, temporary help, retirement and insurance are \$11,186,281. Per previous Board direction, this figure does not include 2 Board authorized positions that staff are proposing to continue to leave vacant.

The Consumer Price Index (CPI-U) for the West Region as found on the U.S. Department of Labor, Bureau of Labor Statistics web site for March 2025 is ~2.2%.

The following categories are breakdowns of the Personnel Expenditures:**Retirement Fund-5110 & 5115**

The Tier 1 (2.5% at 55 with 37 employees in this tier) employer contribution rate is comprised of the Normal Cost, the UAL, and the employee contribution of 7.96% .

The Normal Cost for FY 25/26 is 14.67%. The unfunded liability for Tier 1 is budgeted for \$1,275,313. The UAL is currently at a funding status of 80.3% up from 78.2% last fiscal year.

The Tier 2 (2% at 62 with 35 employees in this tier) employer contribution rate is comprised of the Normal Cost (FY 24/25 is 8.15%) and the UAL.

The Tier 2 UAL is much lower than Tier 1 as the District has been paying it in its entirety each year. The unfunded liability for Tier 2 is budgeted for \$110,609 as the District is 94.3% funded up from 91.4% last year.

Staff is proposing to maintain a more aggressive payment schedule to help pay down this liability as noted in the budget to decrease long-term interest costs to the District. The District may also want to make an additional discretionary payment to help pay down this liability sooner and a \$2M ADP payment is reflected in the budget.

PERS Retirement Normal Costs

2024-2025 Budget	Proposed 2025-2026 Budget
\$914,087	\$966,000

PERS Retirement Unfunded Accrued Liability (UAL)

2024-2025 Budget	Proposed 2025-2026 Budget
\$3,033,735	\$1,385,922

Group Insurance-5130

District policy for group insurance funds up to \$1,400 per employee per month if medical insurance is taken and \$650 per employee per month if medical insurance is waived. This provides funds for employees to purchase major medical, dental, vision, long-term disability, and basic life insurance. Benefits are provided on a calendar year basis and rates for the second half of the fiscal year are not known until renewal occurs in the fall.

2024-2025 Budget	Proposed 2025-2026 Budget
\$1,055,050	\$1,100,000

Retiree Insurance 5131

When establishing the CERBT account for Other Post-Employment Benefits (OPEB) the District made a payment to fully “Fund” the account. The actuarial valuation of the account is done every two years adjusting for changes in the demographics, assumptions and discount rate of the group. Staff recommends paying the cost of premiums for current retirees estimated at \$115,000 for the fiscal year. No payments to the Trust are proposed with this budget.

2024-2025 Budget	Proposed 2025-2026 Budget
\$87,943	\$90,000

Unemployment Insurance-5140

Unemployment expenses vary year to year depending on the number of unemployed employees, the number of months unemployed, and the amount of salary received prior to release from employment.

2024-2025 Budget	Proposed 2025-2026 Budget
\$30,000	\$40,000

Worker's Compensation-5150

The workers' compensation budget consists of the amount to cover all claims for the current year and is programmed to fund current claim expenses that continue for up to 48 months. The Vector Control Joint Powers Agency determines the District's 2023-2024 fiscal year payment based on the estimated annual payroll and is adjusted to the actual annual payroll and claims experience at the end of the fiscal year.

2024-2025 Budget	Proposed 2025-2026 Budget
\$248,785	\$246,000

Operational Expenditures

Each category is listed in the following pages with a brief description of the items in the various categories.

Liability Insurance-5210

The liability insurance account provides coverage for general liability, vehicle liability, automobile comprehensive and collision coverage, property damage, boiler machinery coverage, airplane coverage, employment and overhead expenses for services which do not directly relate to any particular insurance program. The estimated rates for all liability coverage are based on annual payroll and claims as provided by the VCJPA.

2024-2025 Budget	Proposed 2025-2026 Budget
\$304,493	\$370,000

Auditing / Fiscal Fee-5250

All services for auditing and preparation of the State Controller's report are drawn from this account, as well as GASB compliance procedures and documents.

2024-2025 Budget	Proposed 2025-2026 Budget
\$25,000	\$20,000

Communications-5270 & 6250

Monthly service and maintenance for telephones, mobile phones, and any new installations draw from this account. Established internet connections for laptops and tablets are also reflected in this category. This includes our office phone system and communication devices used by our field personnel.

2024-2025 Budget	Proposed 2025-2026 Budget
\$100,000	\$100,000

Public Information Programs-5310

Services and supplies for the education program include pamphlets, bookmarks, stickers, leaflets, and booth entry fees. We intend to have an aggressive outreach program to educate the public regarding WNV, invasive species, and other mosquito issues.

2024-2025 Budget	Proposed 2025-2026 Budget
\$700,000	\$678,000

Structure and Grounds-5340

This account provides for expenditures needed to build, maintain, and repair the structures, buildings, and grounds at District-owned facilities. This includes maintenance costs such as painting, plumbing, electrical, herbicides and other repairs.

2024-2025 Budget	Proposed 2025-2026 Budget
\$150,000	\$153,000

Memberships, Education, and Training-5370

This fund provides for AMCA and MVCAC conference and meeting expenses, which are attended by Trustees and District staff. Other items include MVCAC and AMCA dues, publications, and employee training (computer, supervisory, etc.). Travel to various association meetings has been included.

2024-2025 Budget	Proposed 2025-2026 Budget
\$167,500	\$170,000

Office Expenses-5390

All costs for office equipment maintenance, maps, postage, stationary, office supplies, field binders and books are included in this account.

2024-2025 Budget	Proposed 2025-2026 Budget
\$25,000	\$25,000

Professional Services-5430

This account provides for attorney fees, consultant fees, soil/water testing, pre-employment physicals, uniforms, drug testing, water quality compliance, aerial surveys and related outside services.

2024-2025 Budget	Proposed 2025-2026 Budget
\$341,000	\$350,000

Materials and Supplies-5440

The materials and supplies category covers a large number of items that are used in the shop and the field but are not accounted for in other areas.

2024-2025 Budget	Proposed 2025-2026 Budget
\$16,000	\$16,000

Rents and Leases-5450

This category funds special shop tools, copiers and large format printer, field equipment, and other items that are rented/leased.

2024-2025 Budget	Proposed 2025-2026 Budget
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\$712,000	\$20,000
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Safety Program-5470

This category funds the District Safety Program.

2024-2025 Budget	Proposed 2025-2026 Budget
\$5,000	\$5,000

Utilities-5480

Utility charges to the District are forecast based on previous year expenditures.

2024-2025 Budget	Proposed 2025-2026 Budget
\$125,000	\$140,000

Aircraft Services-6120

This item reflects the contract with VDCI to address adult mosquito control, as well as Farm Air and Leading Edge larviciding work. We intend to perform validation trials to ensure we are getting maximum performance from our larviciding treatments.

2024-2025 Budget	Proposed 2025-2026 Budget
\$1,179,000	\$1,179,000

Ecological Management Department-6140

This category is used to track our expenses to enhance BMP practices on various land uses including, but not limited to, agricultural, wetland, or other similar habitats. We propose to continue to assist in the implementation of BMP's with this category.

2024-2025 Budget	Proposed 2025-2026 Budget
\$23,000	\$23,000

Microbial-6160

This category incorporates various larvicide materials including *Bacillus thuringiensis*, *Bacillus sphaericus*. This account is used for field larvicides and any laboratory experiments. The expenditure in this account can vary from year to year depending on the amount of water available for irrigation of agricultural crops and wetlands.

2024-2025 Budget	Proposed 2025-2026 Budget
\$1,200,000	\$1,800,000

Biorationals-6170

This category incorporates various larvicide materials with methoprene and spinosad as active ingredients. This account is used for field larvicides and any laboratory experiments. The expenditure in this account can vary from year to year depending on the amount of water available for irrigation of agricultural crops and wetlands.

2024-2025 Budget	Proposed 2025-2026 Budget
\$1,200,000	\$1,200,000

Insecticides-6180

This category incorporates all of the materials used for adulticiding or oils for larviciding including any District experiments. The expenditure in this account can vary from year to year depending on the amount of water available for irrigation of agricultural crops and wetlands. The increase over previous years budget incorporates the amount needed to fulfill the VDCI contract.

2024-2025 Budget	Proposed 2025-2026 Budget
\$900,000	\$950,000

Fisheries Department-6220

Our mosquito fish hatchery at Bond Road supplies the public with mosquito fish and other predatory fish. It also provides fish for rice fields, wetlands, and other relatively permanent water sites. The department also exchanges fish with outside Districts for genetic reasons.

2024-2025 Budget	Proposed 2025-2026 Budget
\$35,000	\$35,000

Geographic Information Systems-6280

This category addresses our Geographic Information programs, and includes expenses for aerial photographs, software updates, and printer capabilities. The department continues to work on the development of online source reporting and maintenance to streamline automation. The inclusion of new and emerging programs will be evaluated to help the District obtain up to date information.

2024-2025 Budget	Proposed 2025-2026 Budget
\$9,000	\$9,000

Information Technology-6320

This category addresses software requirements and hardware capabilities for all other administrative and department uses, and includes software licensing, hardware, and other associated costs.

2024-2025 Budget	Proposed 2025-2026 Budget
\$130,000	\$180,000

Control Operations-6350

All non-vehicle associated equipment such as sprayers, hand-cans, dusters, and safety equipment are provided for in this account.

2024-2025 Budget	Proposed 2025-2026 Budget
\$55,000	\$55,000

Shop -6370

The District uses this fund for all repairs, parts and maintenance to the trucks and associated spray equipment, tractors, backhoes, trailers, and ATV's the District owns. Also included in this account is the outside labor and service.

2024-2025 Budget	Proposed 2025-2026 Budget
\$159,500	\$134,250

Laboratory Services-6420

The Laboratory Services fund will continue to provide for the mosquito colony, the light trap program, the EVS surveillance program, tick surveillance program, resistance program, and general laboratory supplies and equipment.

2024-2025 Budget	Proposed 2025-2026 Budget
\$204,000	\$242,500

Gas and Petroleum Products-6450

Uncertainties in oil producing regions make this category volatile at best.

2024-2025 Budget	Proposed 2025-2026 Budget
\$230,000	\$200,000

Capital Outlay/CIP-7011 & 1510

An itemized list of all of the planned Capital Outlay and construction in progress expenditures is on page 4 of this report.

2024-2025 Budget	Proposed 2025-2026 Budget
\$330,000	\$258,500

Equipment/Vehicle Replacement-7016

This account is used as a reserve fund to pay for the replacement of the vehicle fleet by saving funds on an annual basis.

2024-2025 Budget	Proposed 2025-2026 Budget
\$0	\$0

Contingency-7021

This account is used to track contingency planning to address potential issues such as temporary shutdowns due to non-vector related public health emergencies or disasters made by the District.

2024-2025 Budget	Proposed 2025-2026 Budget
\$0	\$ 0

Emergency Vector Response-7022

This account is used to track unanticipated emergency responses made by the District. The District has \$3 million dollars in reserve in the event of a public health emergency requiring immediate District response that cannot be absorbed through the existing budget. This may include overtime hours, additional aircraft work, and additional larval control.

2024-2025 Budget	Proposed 2025-2026 Budget
\$0	\$0

Research Fund-7030

2024-2025 Budget	Proposed 2025-2026 Budget
\$75,000	\$125,000

Building Improvement Fund-7035

This account was created to enhance our existing buildings or address critical maintenance issues.

2024-2025 Budget	Proposed 2025-2026 Budget
\$350,000	\$345,000

2024-2025 Budget Summary

Personnel Expenditures-Salaries and Benefits: \$ 11,186,281

Operational Expenditures: \$ 8,054,750

Capital Expenditures: \$ 2,728,500

Total Expenditures: \$ 21,969,531

Total Anticipated Revenues: \$ 21,839,259

Projected Revenues over Expenses: \$ (130,272)

Account Description	FY 25/26 Budget	FY 24/25 Budget
REVENUE	\$21,839,259.00	\$ 20,718,525.00
SALARIES/BENEFITS/WC	\$11,186,281.16	\$ 12,519,219.00
Administrative Department	\$1,172,024.45	\$ 1,161,179.00
Ecological Management Department	\$314,567.36	\$ 294,632.00
Shop	\$312,933.70	\$ 295,400.00
Control Ops Supervisors	\$772,385.77	\$ 669,457.00
Technicians	\$2,915,657.57	\$ 2,991,978.00
Seasonal Helpers	\$432,422.05	\$ 420,000.00
Biological Control: Lab Dept	\$1,136,933.14	\$ 1,073,660.00
Biological Control: Fisheries Dept	\$251,035.12	\$ 226,709.00
Trustee Monthly Meeting	\$16,800.00	\$ 16,800.00
P.E.R.S. Retirement Normal Costs	\$966,000.00	\$ 914,087.00
P.E.R.S. Retirement UAL	\$1,385,922.00	\$ 3,033,735.00
Group Insurance	\$1,100,000.00	\$ 1,055,050.00
Retiree Insurance Costs	\$90,000.00	\$ 87,943.00
Unemployment Insurance	\$40,000.00	\$ 30,000.00
WORKERS COMPENSATION	\$246,000.00	\$ 248,589.00
OPERATIONAL	\$8,054,750.00	\$ 7,975,493.00
LIABILITY INSURANCE	\$370,000.00	\$ 304,493.00
AUDITING/FISCAL	\$20,000.00	\$ 25,000.00
COMMUNICATIONS	\$100,000.00	\$ 100,000.00
Telephone	\$45,000.00	\$ 45,000.00
Internet	\$30,000.00	\$ 30,000.00
Mobile Devices	\$25,000.00	\$ 25,000.00
PUBLIC INFORMATION	\$678,000.00	\$ 700,000.00
School Program	\$125,000.00	\$ 125,000.00
Publications	\$25,000.00	\$ 20,000.00
Marketing	\$50,000.00	\$ 57,000.00
Advertising	\$380,000.00	\$ 400,000.00
Events/Fees	\$97,000.00	\$ 97,000.00
Misc Admin	\$1,000.00	\$ 1,000.00
STRUCTURE & GROUNDS	\$153,000.00	\$ 150,000.00
Landscaping & Grounds	\$30,000.00	\$ 30,000.00
Building Services & Repairs	\$80,000.00	\$ 80,000.00
Janitorial	\$43,000.00	\$ 40,000.00
MEMBER/TRAINING	\$170,000.00	\$ 167,500.00
Travel	\$35,000.00	\$ 40,000.00
Conference/Training/Mtg	\$65,000.00	\$ 62,500.00
CDPH-Certification Expenses	\$20,000.00	\$ 20,000.00
Subscrip/Memshp/Dues	\$50,000.00	\$ 45,000.00
DISTRICT OFFICE EXPENSES	\$25,000.00	\$ 25,000.00
PROFESSIONAL SERVICES	\$350,000.00	\$ 341,000.00
Permits/Fees	\$15,000.00	\$ 15,000.00
Legal	\$90,000.00	\$ 90,000.00
Medical	\$5,000.00	\$ 5,000.00
Consulting	\$130,000.00	\$ 141,000.00
Security	\$10,000.00	\$ 10,000.00
Uniforms	\$75,000.00	\$ 55,000.00

Aerial Survey	\$25,000.00	\$	25,000.00
MATERIALS & SUPPLIES	\$16,000.00	\$	16,000.00
Water/Coffee	\$9,000.00	\$	9,000.00
Janitorial Supplies	\$5,000.00	\$	5,000.00
Locks/Keys	\$500.00	\$	500.00
Kitchen	\$1,500.00	\$	1,500.00
RENTS & LEASES	\$20,000.00	\$	712,000.00
SAFETY PROGRAM	\$5,000.00	\$	5,000.00
UTILITIES	\$140,000.00	\$	125,000.00
AIRCRAFT SERVICES	\$1,179,000.00	\$	1,179,000.00
Larviciding	\$730,000.00	\$	730,000.00
Adulticiding	\$440,000.00	\$	440,000.00
Trials	\$9,000.00	\$	9,000.00
ECOLOGICAL MANAGEMENT	\$23,000.00	\$	23,000.00
BMP Programs	\$2,000.00	\$	2,000.00
Project Support	\$10,000.00	\$	10,000.00
Small Equip Maintenance	\$4,000.00	\$	4,000.00
UAS Program	\$7,000.00	\$	7,000.00
MICROBIAL	\$1,800,000.00	\$	1,200,000.00
BIORATIONALS	\$1,200,000.00	\$	1,200,000.00
INSECTICIDES	\$950,000.00	\$	900,000.00
FISHERIES	\$35,000.00	\$	35,000.00
Medications & Feeds	\$16,000.00	\$	16,000.00
Lab Supplies	\$1,500.00	\$	1,500.00
Supplies/Dept. Equipment	\$17,500.00	\$	17,500.00
GEOGRAPHIC INFO SYSTEMS	\$9,000.00	\$	9,000.00
Software	\$7,600.00	\$	7,600.00
Accessories	\$1,400.00	\$	1,400.00
INFORMATION TECHNOLOGY	\$180,000.00	\$	130,000.00
Hardware	\$30,000.00	\$	30,000.00
Software	\$150,000.00	\$	100,000.00
CONTROL OPERATIONS	\$55,000.00	\$	55,000.00
Supplies	\$10,000.00	\$	10,000.00
Control Items & Materials	\$10,000.00	\$	10,000.00
PPE/Safety	\$25,000.00	\$	25,000.00
Small Equipment	\$10,000.00	\$	10,000.00
SHOP	\$134,250.00	\$	159,500.00
Parts Vehicles	\$90,000.00	\$	115,250.00
Outsource / Heavy Equipment	\$33,250.00	\$	33,250.00
Equipment Parts & Repair	\$11,000.00	\$	11,000.00
LAB SERVICES	\$242,500.00	\$	204,000.00
Insectary	\$6,500.00	\$	6,500.00
Gen'l Lab Supplies	\$5,000.00	\$	5,000.00
Services	\$10,000.00	\$	10,000.00
Surveillance	\$98,000.00	\$	75,000.00
Sentinel Bird	\$0.00	\$	3,500.00
Pesticide Testing	\$15,000.00	\$	15,000.00
Services - Small Equipment	\$3,000.00	\$	1,000.00
MB-Malaria	\$2,500.00	\$	2,500.00
MB-Chicken	\$0.00	\$	4,500.00
MB-PCR	\$96,000.00	\$	76,000.00
Microbiology - General	\$6,500.00	\$	5,000.00

GAS & PETROLEUM	\$200,000.00	\$ 210,000.00
CAPITAL ACCOUNTS	\$728,500.00	\$ 755,000.00
Capital Outlay/Construction In Progress	\$258,500.00	\$ 330,000.00
Research Fund	\$125,000.00	\$ 75,000.00
Building Improvement	\$345,000.00	\$ 350,000.00
CalPERS Additional Discretionary Payment	\$2,000,000.00	\$ 1,500,000.00
TOTALS		
Salaries/Benefits	\$11,186,281.16	\$ 12,519,219.00
Operational	\$8,054,750.00	\$ 7,975,493.00
Capital Accounts	\$728,500.00	\$ 755,000.00
Total Budget	\$21,969,531.16	\$ 21,249,712.00

PROJECTED REVENUES	\$21,839,259.00	\$20,718,525.00
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ACTUAL REVENUES

TOTAL BUDGET	\$21,969,531.16	\$21,249,712.00
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PROJECTED REVENUES OVER PROJECTED EXPENSES	(\$130,272.16)	(\$531,187.00)
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Sacramento-Yolo Mosquito and Vector Control District

May 20, 2025 Board Meeting

7. **Closed Session- Provide Instruction to Designated Labor Representatives (Gov. Code s. 54957.6 (a)-Labor Negotiations)**