

Sacramento-Yolo
MOSQUITO & VECTOR
CONTROL DISTRICT

FEBRUARY 20, 2024

BOARD OF TRUSTEES
REGULAR MEETING

BOARD PACKET

10:00 A.M.

8631 BOND ROAD
ELK GROVE, CA 95624

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

8631 Bond Road
Elk Grove, CA 95624

**AGENDA
February 20, 2024
10:00 AM**

In compliance with the Americans with Disability Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact the District office at (916) 685-1022 or (916) 685-5464 (fax). Requests must be made as early as possible, and at least one-full business day before the start of the meeting.

Documents and materials relating to an open session agenda item that are provided to the SYMVCD Board less than 72 hours prior to a regular meeting will be available for public inspection and copying at 8631 Bond Road, Elk Grove, Ca 95624. The documents will also be available on the agency's website at www.fightthebite.net.

CALL TO ORDER:

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

1. Items for Approval by General Consent:

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

2. Opportunity for Public Comment

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 Trustees Attending the MVCAC Annual Conference**
- c. Reports from District Departments**
 - **Lab/Surveillance**
 - **Ecological Management**
 - **Biological Control**
 - **Larval and Adult Control**
 - **Public Outreach**

4. **Board Review and Consideration of \$375,000 to Fund the Public Outreach Advertising Plan for the 2024 Mosquito Season**
5. **Board Review and Consideration of District's Five Year Plan**
6. **Board/Staff General Discussion**
7. **Adjournment**

**MINUTES OF THE JANUARY 16, 2024
MEETING OF THE BOARD OF TRUSTEES OF THE SACRAMENTO-
YOLO MOSQUITO & VECTOR CONTROL DISTRICT**

Location: Virtual Meeting via Zoom / In Person @ 8631 Bond Rd, Elk Grove, California

Time: 10:00 a.m.

Call to Order: The meeting was called to order by Board President Marcia Mooney at 10:02 a.m.

Trustees Present:

Marcia Mooney	President	Galt
Sean Denny	Vice President	Woodland
Charles Duty	Secretary	Sacramento County
Craig Burnett		Folsom
Janell Darroch		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
Absent		
Staci Gardiner		Isleton

Staff Present:

Gary Goodman	Manager
Jeni Buckman	Legal Counsel
Steve Ramos	Assistant Manager
Tony Hedley	Assistant Manager
Richard Speakman	North Sacramento Supervisor
Demetri Dokos	South Sacramento Supervisor
Will Hayes	South Yolo Supervisor
Ryan Wagner	Catch Basin Supervisor
David Smith	Urban Control Supervisor
Dan Fisher	Information Technology Administrator
Debbie Dritz	Vector Ecologist
Mario Novelo Canto	Research Biologist

Roll Call

This meeting was both in person and by video teleconference. Attendance was taken by Roll Call. Pursuant to AB 2449, the District has just cause after the meeting agenda was posted and submitted to conduct the meeting remotely in addition to in person. On a motion by Trustee Denny and seconded by Trustee Hawkins, the Board voted to approve the remote meeting option. The vote was taken by roll call and the motion passed by the following vote: Ayes: 12, Noes: 0, Absent: 1

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 LaTorre and seconded by Trustee Denny, the Board voted to approve the General Consent Items. The vote was taken by roll call and the motion passed by the following vote: Ayes: 12, Noes: 0, Absent: 1

- a. Minutes of the December 19, 2023 Board of Trustees Meeting
- b. Expenditures for December 2023
- c. Board Review and Consideration of District Annual Safety Committee Report

2. Opportunity for Public Comment

This item is reserved for members of the public who wish to speak on items not on the agenda. None

3. Reports to the Board

Manager's Report:

The Manager discussed the end of the year activities and the preparation for the 2024 season. He identified that the District audit has begun and is going more smoothly than last year.

Reports from District Departments:

Oral Reports were given by the following:

Field Supervisors-North Sacramento County-Richard Speakman, South Sacramento County-Demetri Dokos, South Yolo County-Will Hayes, Catch Basin Supervisor-Ryan Wagner, Urban Control Supervisor-David Smith, Information Technology Administrator-Dan Fisher, Vector Ecologist-Debbie Dritz, Research Biologist-Mario Novelo Canto

The Board took a break 12:09 pm and went into closed session at 12:19pm.

4. Closed Session-Public Employee Performance Evaluation (Gov. Code § 54957) Manager

The Board came out of closed session at 12:45 and Legal Counsel reported out with no action by the Board.

5. Board Consideration and Approval of District Officers for President, Vice President, and Secretary, and Delegating the Manager to Perform the Responsibilities of the Secretary

The Board discussed the item and a motion was made by Trustee Mooney and seconded by Trustee Hawkins to nominate Sean Denny for President, Charlie Duty for Vice President, and Janell Darroch for Secretary. The vote was taken by roll call and the motion passed by the following vote: Ayes: 11, Noes: 0, Absent: 2.

6. Board/Staff Reports and Requests / General Discussion

The Manager discussed the upcoming MVCAC annual meeting in Monterey on January 22-24. The February meeting will have the latest draft of the five year plan and a potential contribution to the AMCA Research Foundation. The Manager also discussed a letter the District received from the City of Isleton Redevelopment Successor Agency asking to forgive a current debt. The Manager will bring this back to the Board at a future meeting.

7. ADJOURNMENT

The meeting adjourned at 12:56 p.m.

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the January 16, 2024, meeting.

Gary Goodman, Manager

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

Janell Darroch, Board Secretary

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

	Jul '23 - Jan 24	Budget	\$ Over Budget
Ordinary Income/Expense			
Income			
4000 · REVENUE	9,484,444.11	19,292,432.00	-9,807,987.89
Total Income	9,484,444.11	19,292,432.00	-9,807,987.89
Gross Profit	9,484,444.11	19,292,432.00	-9,807,987.89
Expense			
12500 · Prepaid Expense*	-100,000.00		
5000 · SALARIES/BENEFITS/WC	5,620,326.26	10,240,688.00	-4,620,361.74
5200 · OPERATIONAL			
5210 · LIABILITY INSURANCE	297,579.18	288,499.00	9,080.18
5250 · AUDITING/FISCAL	19,000.00	25,000.00	-6,000.00
5270 · COMMUNICATIONS	52,083.54	110,000.00	-57,916.46
5310 · PUBLIC INFORMATION	207,772.36	611,000.00	-403,227.64
5340 · STRUCTURE & GROUNDS	76,524.63	71,000.00	5,524.63
5370 · MEMBER/TRAINING	89,865.04	160,000.00	-70,134.96
5390 · DISTRICT OFFICE EXPENSES	11,975.67	25,000.00	-13,024.33
5430 · PROFESSIONAL SERVICES	245,904.00	341,000.00	-95,096.00
5440 · MATERIALS & SUPPLIES	8,461.93	14,500.00	-6,038.07
5450 · RENTS & LEASES	5,236.70	12,000.00	-6,763.30
5470 · SAFETY PROGRAM	760.00	5,000.00	-4,240.00
5480 · UTILITIES	60,378.62	140,000.00	-79,621.38
6120 · AIRCRAFT SERVICES	1,153,165.32	1,129,000.00	24,165.32
6140 · ECOLOGICAL MANAGEMENT	4,662.90	20,500.00	-15,837.10
6160 · MICROBIAL	869,289.94	1,150,000.00	-280,710.06
6170 · BIORATIONALS	699,834.60	1,200,000.00	-500,165.40
6180 · INSECTICIDES	786,037.92	750,000.00	36,037.92
6220 · FISHERIES	13,219.65	41,000.00	-27,780.35
6280 · GEOGRAPHIC INFO SYSTE...	4,056.00	9,000.00	-4,944.00
6320 · INFORMATION TECHNOLOGY	45,770.41	120,000.00	-74,229.59
6350 · CONTROL OPERATIONS	16,556.21	70,000.00	-53,443.79
6370 · SHOP DEPT	146,733.97	145,000.00	1,733.97
6420 · LAB SERVICES	80,672.95	230,000.00	-149,327.05
6450 · GAS & PETROLEUM	125,085.10	250,000.00	-124,914.90
Total 5200 · OPERATIONAL	5,020,626.64	6,917,499.00	-1,896,872.36
66000 · Payroll Expenses	189,780.40		
Total Expense	10,730,733.30	17,158,187.00	-6,427,453.70
Net Ordinary Income	-1,246,289.19	2,134,245.00	-3,380,534.19
Other Income/Expense			
Other Income			
40995 · Insurance Claim Reimb	37,257.94		
Total Other Income	37,257.94		

	Jul '23 - Jan 24	Budget	\$ Over Budget
Other Expense			
7000 · CAPITAL ACCOUNTS			
70010 · CAPITAL OUTLAY	0.00	193,000.00	-193,000.00
70050 · CONTINGENCY	0.00	0.00	0.00
70070 · RESEARCH FUND	0.00	75,000.00	-75,000.00
70080 · BUILDING IMPROVEMENT	40,650.00	735,000.00	-694,350.00
70085 · CalPERS Add Discretionary ...	0.00	1,500,000.00	-1,500,000.00
Total 7000 · CAPITAL ACCOUNTS	40,650.00	2,503,000.00	-2,462,350.00
70030 · CAPITAL OUTLAY 2	81,674.69		
70040 · EQUIPMENT REPLACEMENT	0.00	600,000.00	-600,000.00
90999 · Suspense Expense	0.00		
Total Other Expense	122,324.69	3,103,000.00	-2,980,675.31
Net Other Income	-85,066.75	-3,103,000.00	3,017,933.25
Net Income	-1,331,355.94	-968,755.00	-362,600.94

Sacramento-YOLO Mosquito and Vector Control District

Check History Report

January 2024

	Num	Date	Name	Type	Credit
Jan 24	58091	01/02/2024	Buckmaster Office Solutions	Bill Pmt -Check	71.14
	58092	01/02/2024	Cleanit Maintenance Systems LLC	Bill Pmt -Check	2,995.00
	58093	01/02/2024	Dignity Health Med Fdtn-Sacramento	Bill Pmt -Check	204.00
	58094	01/02/2024	Elk Grove Water District	Bill Pmt -Check	355.77
	58095	01/02/2024	Hippensteel Group	Bill Pmt -Check	2,175.00
	58096	01/02/2024	PG & E	Bill Pmt -Check	2,327.40
	58097	01/02/2024	Republic Services #922	Bill Pmt -Check	356.16
	58098	01/02/2024	RKL eSolutions, LLC	Bill Pmt -Check	944.77
	58099	01/02/2024	Sacramento Control Systems, Inc.	Bill Pmt -Check	501.00
	58100	01/02/2024	Safe Side Security	Bill Pmt -Check	414.00
	58101	01/02/2024	SMUD	Bill Pmt -Check	3,574.80
	58102	01/02/2024	Valley Fire & Security	Bill Pmt -Check	69.50
	58103	01/10/2024	Airgas USA LLC	Bill Pmt -Check	168.89
	58104	01/10/2024	AutoZone Inc	Bill Pmt -Check	2,670.16
	58105	01/10/2024	Barnes Welding	Bill Pmt -Check	499.23
	58106	01/10/2024	Buckmaster Office Solutions	Bill Pmt -Check	151.13
	58107	01/10/2024	Cintas Corporation	Bill Pmt -Check	3,563.17
	58108	01/10/2024	City of Woodland	Bill Pmt -Check	204.28
	58109	01/10/2024	Consolidated Communications	Bill Pmt -Check	2,244.33
	58110	01/10/2024	Elk Grove Lock and Safe Company	Bill Pmt -Check	48.93
	58111	01/10/2024	Factory Motor Parts Co	Bill Pmt -Check	308.04
	58112	01/10/2024	Farm Air Flying Service	Bill Pmt -Check	250,000.00
	58113	01/10/2024	GreatAmerica Financial Services	Bill Pmt -Check	376.28
	58114	01/10/2024	Maita Chevrolet	Bill Pmt -Check	7,856.37
	58115	01/10/2024	Mann Urrutia Nelson CPAs & Assoc LLP	Bill Pmt -Check	10,000.00
	58116	01/10/2024	Mike & Son's Truck Repair, Inc.	Bill Pmt -Check	321.52
	58117	01/10/2024	RKL eSolutions, LLC	Bill Pmt -Check	1,647.27
	58118	01/10/2024	Spark Creative Design	Bill Pmt -Check	5,278.44
	58119	01/10/2024	Vector Disease Control International	Bill Pmt -Check	53,125.00
	58120	01/10/2024	Verizon Wireless	Bill Pmt -Check	2,781.22
	58121	01/10/2024	Benefit Coordinators Corp.	Bill Pmt -Check	9,455.30
	58122	01/10/2024	Benefit Coordinators Corporation	Bill Pmt -Check	3,671.09
	58123	01/10/2024	Kaiser Foundation Health Plan	Bill Pmt -Check	65,137.71
	58124	01/10/2024	PRISM-	Bill Pmt -Check	380.25
	58125	01/10/2024	Sutter Health Plus	Bill Pmt -Check	10,020.14
	58126	01/10/2024	US Treasury Internal Revenue Service	Bill Pmt -Check	294.63
	58127	01/19/2024	Western Health Advantage	Bill Pmt -Check	10,078.80
	58128	01/19/2024	Western Health Advantage	Bill Pmt -Check	1,222.42
	58129	01/19/2024	U.S. Bank	Bill Pmt -Check	24,546.30
	58130	01/19/2024	Advance Auto Parts	Bill Pmt -Check	160.91
	58131	01/19/2024	Bartkiewicz Kronick & Shanahan	Bill Pmt -Check	1,035.00
	58132	01/19/2024	Hunt & Sons Inc	Bill Pmt -Check	1,954.97
	58133	01/19/2024	Jim Hesselstine's Tire Service, Inc.	Bill Pmt -Check	18.24
	58134	01/19/2024	Kingsley Bogard, LLP	Bill Pmt -Check	4,438.00
	58135	01/19/2024	PG & E	Bill Pmt -Check	220.92

Sacramento-YOLO Mosquito and Vector Control District

Check History Report

January 2024

Num	Date	Name	Type	Credit
58136	01/19/2024	River City Fire Equipment	Bill Pmt -Check	915.28
58137	01/19/2024	RKL eSolutions, LLC	Bill Pmt -Check	600.00
58138	01/19/2024	T-Mobile	Bill Pmt -Check	2,444.84
58139	01/19/2024	Waste Management-	Bill Pmt -Check	256.35
58140	01/19/2024	Arthur J Gallagher Risk Mgt. Svcs.	Bill Pmt -Check	8,149.00
58141	01/26/2024	Buckmaster Office Solutions	Bill Pmt -Check	71.14
58142	01/26/2024	CA Department of Tax and Fee Administrati	Bill Pmt -Check	96.00
58143	01/26/2024	California Secretary of State	Bill Pmt -Check	6.50
58144	01/26/2024	Christensen Net Works	Bill Pmt -Check	9,402.59
58145	01/26/2024	Kingsley Bogard, LLP	Bill Pmt -Check	6,596.00
58146	01/26/2024	Operating Engineers Local Union No. 3	Bill Pmt -Check	10,000.00
58147	01/26/2024	PG & E	Bill Pmt -Check	1,755.35
58148	01/26/2024	River City Fire Equipment	Bill Pmt -Check	2,892.25
58149	01/26/2024	T-Mobile	Bill Pmt -Check	2,444.84
58150	01/26/2024	Woodland Smog	Bill Pmt -Check	656.40

Jan 24

534,154.02



SACRAMENTO COUNTY

8631 Bond Road
Elk Grove, CA 95624

(800) 429-1022
www.FIGHTtheBITE.net

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

Gary Goodman
General Manager

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:

2024 Board of Trustees

Sean Denny
President, Woodland

Charles Duty
Vice President,
Sacramento County

Janell Darroch
Secretary, West
Sacramento

Christopher Barker
Davis

Craig R. Burnett
Folsom

Staci Gardiner
Isleton

Lyndon Hawkins
Elk Grove

Gar House
Winters

Jayna Karpinski-Costa
Citrus Heights

Raymond LaTorre
Sacramento

Robert J. McGarvey
Rancho Cordova

Marcia Mooney
Galt

William Reisen
Yolo County

- 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 **Dec 31, 2023.**

Institution		Earnings	Total as of 12/31/2023
Yolo County Treasurer Investment Pool	3.759%*	\$6,453.14	\$2,082,359.09
L.A.I.F.	4.0%	\$85,256.94	\$7,152,109.03
VCJPA-Member Contingency Fund	3.82%	\$66,885	\$1,816,363.00
CERBT-Strategy 3		\$190,480.97	\$2,145,478.33
		District Total:	\$14,761,800.05

**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

February 05, 2024

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

Dear Mr. Goodman:

Listed below for your information and that of the Board of Directors, is data pertaining to interest earnings, fund balances and investments of the District for the quarter ended December 31, 2023. 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:	December 31, 2023	3.759%*		\$ 6,453.14
Quarter ending:	December 31, 2023		4.00%	\$ 85,256.94

Placement of Funds as of December 31, 2023:

Yolo County Treasurer's Pool (Fund 7245)	\$ 2,082,359.09
Flexible Spending Account	14,046.70
LAIF	7,152,109.03
Total	\$ 9,248,514.82

*Rates are reflected above as annualized earnings rates.

Sincerely,

Sou Xiong
Accounting Manager



Vector Control Joint Powers Agency

Member Contingency Fund

For the Quarter Ended
December 31, 2023

Member District	Balance at Beginning of Quarter	Contribution	(Withdrawals)	Interest Earned	Allocated Admin.	Balance at End of Quarter
Alameda County	308,734			11,989	(7)	320,716
Burney Basin	34,686	785		1,362	(1)	36,832
Butte County	340,342	19,951		13,604	(8)	373,889
Coachella Valley	900,527	57,353		36,084	(21)	993,943
Coalinga-Huron	7,734	296		306	0	8,336
Colusa	89,755	3,262		3,549	(2)	96,564
Compton Creek	66,386			2,578	(1)	68,963
Consolidated	408,085			15,847	(9)	423,923
Contra Costa	1,225,456		(279)	47,583	(28)	1,272,731
Durham	4,727			184	0	4,911
Fresno	212,743	11,360		8,482	(5)	232,580
Glenn County	41,027			1,593	(1)	42,619
Greater Los Angeles County	1,574,314			61,136	(34)	1,635,415
Lake County	139,770			5,428	(3)	145,195
Los Angeles County West	713,309			27,700	(16)	740,993
Marin-Sonoma	809,255			31,426	(18)	840,663
Monterey County	22,019	7,533		1,001	(1)	30,552
Napa County	1,311,117	8,858		51,087	(30)	1,371,032
Northwest	258,931	21,182		10,466	(6)	290,573
Orange County	537,873			20,887	(12)	558,748
Pine Grove	32,063			1,245	(1)	33,307
Placer	239,433	19,316		9,673	(6)	268,416
Sacramento-Yolo	1,695,241	54,276		66,885	(39)	1,816,363
San Gabriel Valley	109,179	40,268		5,022	(3)	154,466
San Joaquin County	415,968	10,495		16,357	(9)	442,811
San Mateo County	476,488			18,503	(11)	494,980
Santa Barbara County	80,623			3,131	(2)	83,752
Shasta	247,403			9,607	(6)	257,004
Sutter-Yuba	280,654	13,371		11,158	(6)	305,177
Tehama County	266,146			10,335	(6)	276,475
Turlock	37,334			1,450	(1)	38,783
West Valley	309,735	1,205		12,051	(7)	322,984
Total	13,197,056	269,511	(279)	517,709	(300)	13,983,696

Notes:
Yield to maturity rate on the VCJPA portfolio is 2.57% 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 December 31, 2023

	Member District	Self-Insurance Exposure - Two Times Deductible				Sub-Total 2 X Deductible	2023/2024 Contribution	Two Times Contribution	Prudent Balance	Member Contingency Fund Balance as of December 31, 2023	Amount Over / (Under) Prudent Balance
		Liability	Workers' Compensation	APD	Property						
		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	208,831	417,662	490,662	320,716	(169,946)
2	Burney Basin	2,000	10,000	2,000	1,000	15,000	10,249	20,498	35,498	36,832	1,334
3	Butte County	20,000	50,000	2,000	1,000	73,000	176,187	352,374	425,374	373,889	(51,485)
4	Coachella Valley	50,000	50,000	2,000	1,000	103,000	619,347	1,238,694	1,341,694	993,943	(347,751)
5	Coalinga-Huron	2,000	5,000	2,000	1,000	10,000	3,841	7,682	17,682	8,336	(9,346)
6	Colusa	2,000	10,000	2,000	1,000	15,000	24,235	48,470	63,470	96,564	33,094
7	Compton Creek	5,000	5,000	2,000	1,000	13,000	16,231	32,462	45,462	68,963	23,501
8	Consolidated	20,000	50,000	2,000	1,000	73,000	203,261	406,522	479,522	423,923	(55,599)
9	Contra Costa	100,000	100,000	2,000	1,000	203,000	395,250	790,500	993,500	1,272,731	279,231
10	Delta	10,000	20,000	2,000	1,000	33,000	214,574	429,148	462,148	0	(462,148)
11	Durham	2,000	5,000	2,000	1,000	10,000	9,614	19,228	29,228	4,911	(24,317)
12	Fresno	10,000	50,000	2,000	1,000	63,000	91,796	183,592	246,592	232,580	(14,012)
13	Glenn County	2,000	10,000	2,000	1,000	15,000	14,477	28,954	43,954	42,619	(1,335)
14	Greater Los Angeles County	150,000	100,000	2,000	1,000	253,000	864,200	1,728,400	1,981,400	1,635,415	(345,985)
15	Kings	10,000	20,000	2,000	1,000	33,000	119,316	238,632	271,632	0	(271,632)
16	Lake County	5,000	20,000	2,000	1,000	28,000	77,978	155,956	183,956	145,195	(38,761)
17	Los Angeles County West	50,000	50,000	2,000	1,000	103,000	492,907	985,814	1,088,814	740,993	(347,821)
18	Marin-Sonoma	100,000	100,000	2,000	1,000	203,000	429,917	859,834	1,062,834	840,663	(222,171)
19	Napa County	10,000	50,000	2,000	1,000	63,000	117,501	235,002	298,002	1,371,032	1,073,030
20	Monterey County	5,000	50,000	2,000	1,000	58,000	90,299	180,598	238,598	30,552	(208,046)
21	Northwest	10,000	50,000	2,000	1,000	63,000	183,714	367,428	430,428	290,573	(139,855)
22	Orange County	50,000	100,000	2,000	1,000	153,000	785,040	1,570,080	1,723,080	558,748	(1,164,332)
23	Pine Grove	2,000	5,000	2,000	1,000	10,000	6,718	13,436	23,436	33,307	9,871
24	Placer	2,000	20,000	2,000	1,000	25,000	204,842	409,684	434,684	268,416	(166,268)
25	Sacramento-Yolo	100,000	100,000	2,000	1,000	203,000	525,127	1,050,254	1,253,254	1,816,363	563,109
26	San Gabriel Valley	20,000	100,000	2,000	1,000	123,000	297,338	594,676	717,676	154,466	(563,210)
27	San Joaquin County	100,000	100,000	2,000	1,000	203,000	304,210	608,420	811,420	442,811	(368,609)
28	San Mateo County	20,000	50,000	2,000	1,000	73,000	293,918	587,836	660,836	494,980	(165,856)
29	Santa Barbara County	5,000	10,000	2,000	1,000	18,000	46,995	93,990	111,990	83,752	(28,238)
30	Shasta	5,000	50,000	2,000	1,000	58,000	157,281	314,562	372,562	257,004	(115,558)
31	Sutter-Yuba	20,000	50,000	2,000	1,000	73,000	156,020	312,040	385,040	305,177	(79,863)
32	Tehama County	2,000	20,000	2,000	1,000	25,000	46,302	92,604	117,604	276,475	158,871
33	Turlock	20,000	50,000	2,000	1,000	73,000	98,497	196,994	269,994	38,783	(231,211)
34	West Valley	20,000	50,000	2,000	1,000	73,000	199,926	399,852	472,852	322,984	(149,868)
	Total	951,000	1,560,000	68,000	34,000	2,613,000	7,485,939	14,971,878	17,584,878	13,983,696	(3,601,182)

Sacramento-Yolo Mosquito & Vector Control District

CERBT Strategy 3

Entity #: SKB8-1375523307

Quarter Ended December 31, 2023



Market Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Balance	\$1,955,425.17	\$2,049,789.77
Contribution	0.00	0.00
Disbursement	0.00	0.00
Transfer In	0.00	0.00
Transfer Out	0.00	0.00
Investment Earnings	190,480.97	96,550.02
Administrative Expenses	(247.14)	(497.61)
Investment Expense	(180.67)	(363.85)
Other	0.00	0.00
Ending Balance	\$2,145,478.33	\$2,145,478.33
FY End Contrib per GASB 74 Para 22	0.00	0.00
FY End Disbursement Accrual	0.00	0.00
Grand Total	\$2,145,478.33	\$2,145,478.33

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	15.789245	16.551201
Period Ending Unit Value	17.323846	17.323846

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

February 20, 2024 Board Meeting

3. Reports to the Board

- a. Manager's Report**
- b. Reports from Trustees Attending the Mosquito and Vector Control Association of California (MVCAC) Annual Conference**
- c. 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 weather has started to warm up and we are beginning to see more mosquito activity.

Staff did an excellent job with their presentations at the MVCAC Annual Conference earlier this month. The District gave nine talks at the meeting.

Staff has submitted the National Pollutant Discharge Elimination System (NPDES) Annual Report to the State Water Resources Control Board.

The MVCAC Legislative Day is scheduled for February 21st. The AMCA Washington Days will be in May.

Our Vector Control Joint Powers Authority will be holding their annual workshop on February 29th and March 1st. Lisa Pelletier will be attending her first VCJPA workshop.

Please be advised that you will need to submit your Conflict of Interest Form 700 prior to April 1st, 2024.

b. Reports from Trustees Attending the MVCAC Annual Conference

c. Reports from District Departments

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

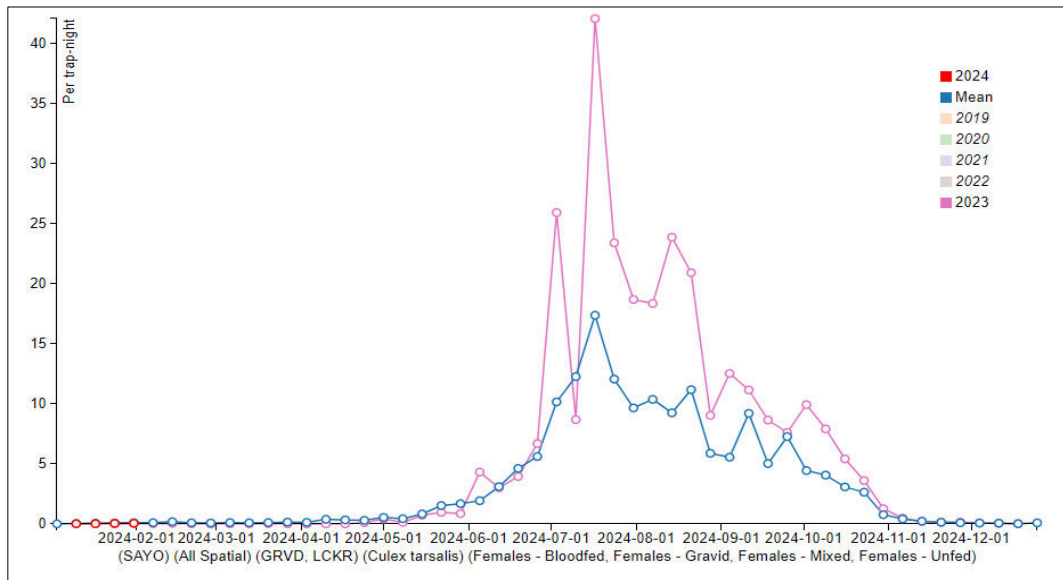
LABORATORY Monthly Report, February 2024 Board Meeting

Insectary:

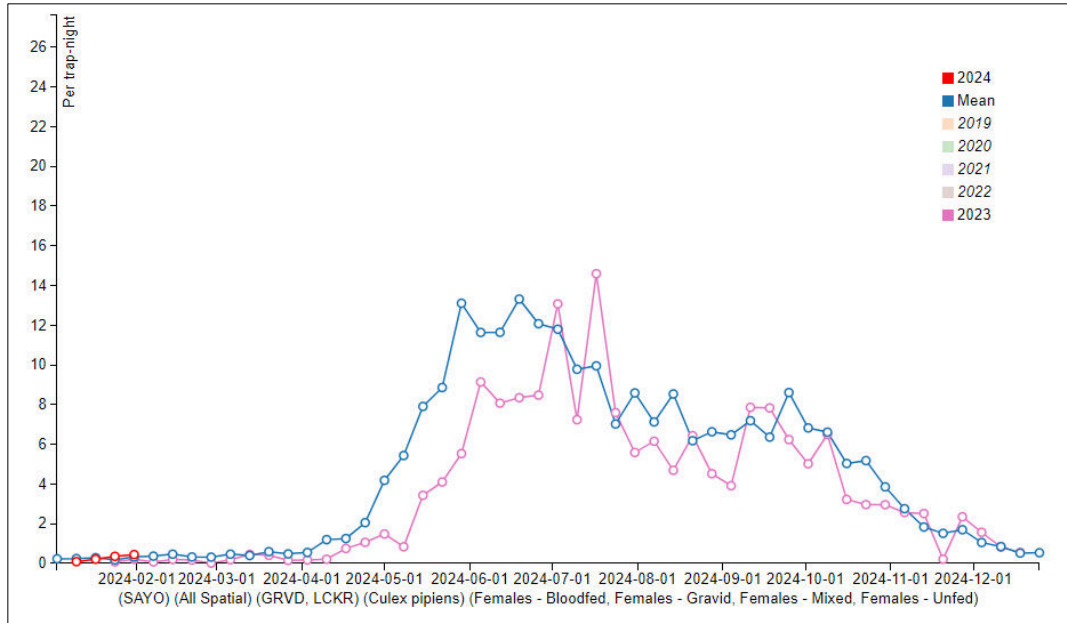
Species	Name	Origin	Resistance Status
<i>Culex tarsalis</i>	KNWR	Kern National Wildlife Refuge (2009)	susceptible
<i>Culex quinquefasciatus</i>	CQ1	Merced, CA (1950s)	susceptible
<i>Culex pipiens</i>	WCP	Woodland, CA (2017)	resistant: pyrethrins/pyrethroids, methoprene, and spinosad
<i>Culex tarsalis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

2024 Surveillance update through 2/7/2024

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



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



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

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

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

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

Rice surveillance – Surveillance will resume in May 2024.

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

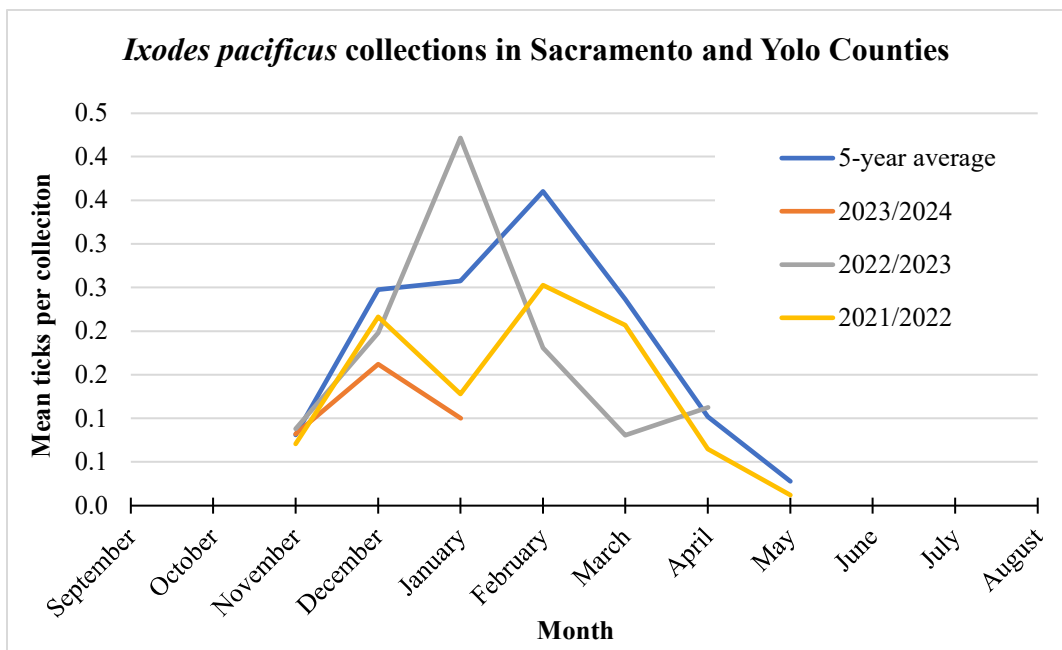
***Aedes aegypti* trapping effort in Sacramento and Yolo Counties** – Surveillance for *Aedes aegypti* and *Aedes albopictus* will resume in May, 2024.

Tick surveillance – Tick flagging started in November and each permanent site is flagged once per month. Collections sites were selected based on land use and habitat. Over the last two month *Ixodes pacificus* were collected from 18 of the 20 sites. All *Ixodes pacificus* collections were separated by sex, collected in pools up to five ticks, and tested for *Borrelia burgdorferi*, the causative agent of Lyme disease. The following table shows the December 2023 and November 2024 collections of *Ixodes pacificus* and test results for *Borrelia burgdorferi*. The figure shows the overall monthly collection trends for *Ixodes pacificus* in Sacramento and Yolo Counties.

December 2023 - January 2024

Ixodes pacificus collection and testing for *Borrelia burgdorferi*

Location	Total collected	Total pools	Positive pools
Ancil Hoffman	0		
Black Minors Bar	38	11	
Cache Creek-Campground	2	1	
Cache Creek-Blue Ridge Trail	5	2	
Camp Haswell	4	2	
East Lake Natoma	59	14	
Folsom Zoo	2	1	
Gold Lake Drive	3	3	
Hinkle Creek	1	1	
Lower Sunrise	13	7	
Mississippi Bar	10	3	1
Nimbus Overlook	2	2	
Putah Creek-Fishing Access #1	0		
Putah Creek-Fishing Access #3	7	3	
Sailor Bar	7	3	
Sacramento Bar/ Bannister	21	6	
Snipes-Pershing Park	48	11	
Upper Sunrise	19	6	
Willow Creek- Humbug	9	2	1
Willow Creek	33	7	3



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

Winter Work. The laboratory technicians are working steadily on repairing and building new mosquito traps as well as maintaining abundance traps and tick surveillance. The Vector Ecologist, Microbiologist, Biologist, Laboratory Director, and a Laboratory Technician presented District work at the Mosquito and Vector Control Association of California (MVCAC) annual conference in January and are preparing manuscripts for submission in the MVCAC Proceedings and Papers.

The California Arbovirus Surveillance Bulletin updates will resume in May

ECOLOGICAL MANAGEMENT DEPARTMENT

February 2024 Board Update

Ecological Management Projects

Jonas Larkspur Park (City of Sacramento)

Jonas Larkspur Park is an 8 ac. public recreational park managed by the Arden Manor Recreation and Parks District. The District's Lab Dept. routinely traps at the park and tests mosquito populations for West Nile Virus (WNV). Ecological Management staff have noticed an increase in mosquito populations in the traps at the park and an uptick in WNV positive pools in the area in the fall of 2023. After a site evaluation, staff noticed mosquito breeding in a .25 acre stormwater pond in the southeastern end of the park that was inundated with emergent vegetation cattails (*Typha latifolia*), Himalayan Blackberry (*Rubus armeniacus*), and *Kyllinga* (*Cyprus rotundus*). The vegetation in the pond is considered invasive and serves as harborage for immature and adult mosquitoes from predators i.e., mosquitofish (*Gambusia affinis*), dragonfly larvae (*Odonata anisoptera*), and reduces the efficacy of public health pesticides used to control immature mosquito populations. District staff in coordination with Arden Manor Recreation and Parks District removed the emergent vegetation and repaired irrigation leaks to reduce the mosquito breeding habitat and increase the efficacy of applied larvicides and natural predators.



Before

After

Coupe Dairy (Galt)

This project consists of a dairy holding pond located on the outskirts of Galt. Multiple irrigation drains from adjacent fields drain a mixture of manure water (slurry) and fresh water into the holding pond. The pond is overgrown with Himalayan blackberries, poison oak, downed trees, and deadfall making access for District staff difficult to inspect/treat and reduces the effectiveness of residual treatments. District staff brush cut trails along the pond to allow safe

access to the holding pond and increase the efficacy of the materials being applied to suppress larval populations.



Before

After

Planning

The Ecological Management Department continues to review planning documents received from local, city, and county planning departments and commissions. Each project submitted is reviewed and comments are made on a project by project basis. Below are the projects reviewed from December to current.

Montezuma Island Proposed Mitigation Bank-(United States Army Corp of Engineers)

The proposed mitigation bank is for new proposed tidal and marsh wetlands involving 31.38 acres in Sacramento County, 109 acres Solano County. Staff is in the process of responding to the proposed mitigation bank and will submit wetland Best Management Practices (BMPs) to incorporate during the enhancement phase of the project.

Village Farms- (City of Davis)

The proposed project is to develop 382.77 acres east of Wildhorse Golf Course in the City of Davis. The plans call for multi-use residential, commercial and recreational facilities to be constructed in multiple phases. After reviewing the project, staff have no comments at this time and will comment when more specific plans are submitted.

Dunnigan Truck and Travel Center-(County of Yolo)

Reviewed by staff. No cumulative effects to mosquito control activities.

Alder Creek Marketplace-(City of Folsom)

This proposed project consists of a 15.1 acres site in the City of Folsom that includes a 95,000 sq.ft. shopping center. After review, staff commented on the proposed Stormwater Quality Plans as the plans called out multiple stormwater planters and bioretention areas. Staff recommended that specific

mosquito reducing stormwater BMPs be implemented during the construction phase to address potential mosquito breeding habitats in the stormwater retention areas.

The Preserve-(City of Rancho Cordova)

This Major Design Review is for the Preserve project that consists of 440 finished lots in the approved Preserve community. Since the project has already been approved and the planning documents only consist of design build layouts, no comment is warranted at this time.

Riverblossom, Windblossom, Starblossom subdivisions-(City of Rancho Cordova)

This Major Design Review is for the Riverblossom, Windblossom, Starblossom subdivisions that consist of 186 residential parcels. No comments are warranted at this time. Staff will comment when specific stormwater and drainage plans are submitted.

BIOLOGICAL CONTROL
Monthly Report for February 2024 Board Meeting

In January, the Fisheries Department prioritized pond and facility maintenance, while also servicing and repairing equipment for the upcoming season. The pole barn was cleaned and reorganized to accommodate parking for all fisheries vehicles, freeing up additional space in the large parking garage for other departments. New hardware was installed on two of our newly fenced ponds in preparation for the bird exclusion netting scheduled to arrive in February. Fisheries technicians also installed new gates and repaired fencing surrounding our eastern ponds. Additionally, weed control, tree trimming, and general landscaping were done. Moreover, the Fisheries Department worked on annual training modules and required continuing education training. Daily activities such as water quality testing and tank cleaning continued to maintain high-quality fish.

Log of Treatment Applied for January

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish (<i>Gambusia affinis</i>)	.050 lbs	.002 Acres	1
Guppies (<i>Poecilia reticulata</i>)	0 lbs	0 Acres	0

Log of Treatment Applied for the year 2024

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish	.050 lbs	.002 Acres	1
Guppies	0 lbs	0 Acres	0

Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
41,000.00	13,278.39	27,721.61	32%

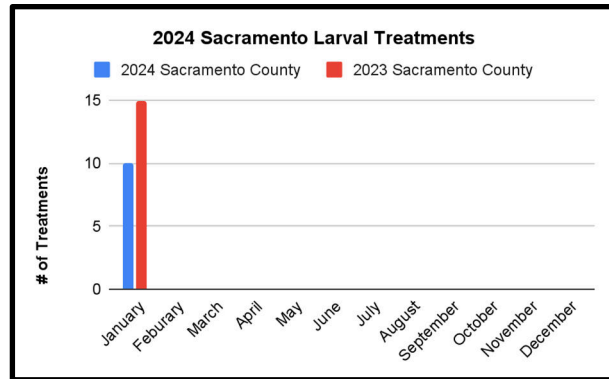
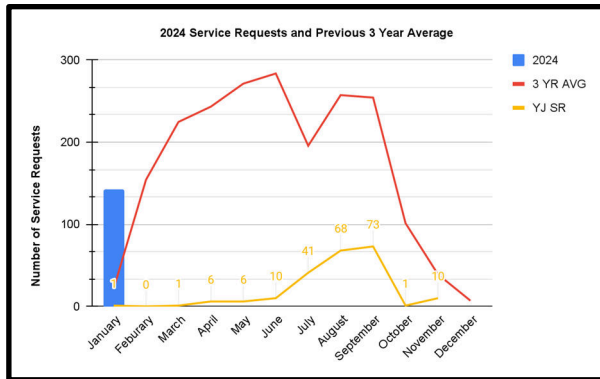
Bottom left: Newly installed fenced pond, displaying hardware installation.
 Bottom right: Valve replacement on technician distribution tank.



CONTROL OPERATIONS Monthly Report for the February 2024 Board Meeting

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

No response was needed for WNV control in the month of January; however due to seasonal late January mild temperatures, there was a slight uptick in service requests. A handful of treatments were made in response to the service requests in Sacramento County, including two treatments to catch basins.



No aerial or larval applications have been performed in 2024.

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

Trainings and Continued Education, and Winter Projects

Staff continue to complete annual education training and gearing up for the coming season.

Projects around the District property such as tree trimming, fence repair, vehicle maintenance and water soluble packet production are being performed. Crews continue to be working on off site properties performing brush clearing work around known mosquito breeding sources as the weather conditions will allow. Staff have also cleaned and calibrated most of the ground based control equipment for the season and outfitted their trucks after repairs and maintenance have been performed.



PUBLIC INFORMATION AND EDUCATION Monthly Report for February Board Meeting

Media

Due to the warm weather in late January that generated an increase in calls and service requests, we issued a press release and obtained media coverage from KCRA-3, Fox 40, The Sacramento Bee and other news outlets. Having media attention early in the season allows us to get our prevention messages to the public and provides an opportunity to remind residents of the services offered by the District.

School Program

Our school program continues and the “What Bugs You” assemblies coordinated by Red Shoe Productions are underway at a variety of different schools. In January, a total of 5 assemblies took place at different schools reaching a total of 1786 children in grades 2nd-4th. The following assemblies are currently scheduled:

February:

2/12: Frontier Elementary

2/13: Garden Valley Elementary

2/28: Westside Elementary



Advertising

As part of our 2024 Fight the Bite advertising campaign we will once again use our consultant Gary Benjamin to assist in placing the media buys once the advertising plan is approved. We are currently reviewing market data and trends that will help guide a strategy and a final plan in the coming months. We will also soon begin to have meetings with account executives and evaluate their proposals for the upcoming campaign.

Outreach Events

As part of our community outreach and education efforts we are excited and gearing up for the 2024 events season! We are currently gathering applications and putting together a list of recommended events to attend. Most recently we attended the Galt Bird Festival and it was great to engage with residents and talk about our bird surveillance program and how West Nile virus impacts bird populations. Children and adults loved learning about mosquitoes, mosquitofish and other District services.



Outreach materials

In preparation for the upcoming season, we are currently taking inventory and re-ordering materials that will be distributed at all upcoming events and outreach activities.

MVCAC Public Relations

As a member of the MVCAC Public Relations Committee, we are currently updating fact sheets and other materials for the upcoming Legislative Day. Other projects we are currently working on include updates to the MVCAC website; updating information related to invasive mosquitoes and an upcoming spring meeting later this month

Sacramento-Yolo Mosquito and Vector Control District

February 20, 2024 Board Meeting

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

Staff Report:

The District's Public Information and Education Department continues to provide dynamic messaging to the communities that we serve. This messaging is carefully planned and placed to raise awareness of mosquitoes, prevention of West Nile virus, the ongoing threat posed by the spread of invasive *Aedes* mosquitoes and how the District collectively works to prevent mosquito transmitted diseases.

This year, the District will again utilize a wide array of media tools, events, and public outreach to accomplish our communication objectives. Each year we strive to reach a very high percentage of the growing number of residents in Sacramento and Yolo counties. We purposely target homeowners: especially families with children and adults 55 years old and older that are homeowners. The media assets we utilize include television, radio, several digital tools, social media, sponsorships, on-air appearances, news interviews, public service announcements, government affairs, public/community outreach, and many community events.

It is important to note that 2024 a major **political year** and the cost of advertising is significantly higher therefore requiring more funds to achieve comparable reach and frequency goals against our target audience. We will also adjust our buy strategy due to the ongoing effects of COVID-19 which included a faster emergence of new/smart media than expected and an increased amount of time in front of a screen. New media includes the use of digital television and radio streaming platforms such as Hulu, Roku, YouTube TV and Amazon Prime amongst others. This use of more new media helps us to focus our dollars more directly into the counties that we serve with tools such as geo-targeting by county and in some cases even by zip code.

2024 Campaign Overview:

The District's Public Information and Education Department has several objectives and elements included in the 2024 campaign.

- We will continue to broaden and enhance awareness of the District's evolving efforts to protect residents from mosquitoes and the transmittable diseases that they spread and carry.
- We will purposely use even more "new media" tools especially streaming of television and radio commercials and pre roll ads knowing that these media consumption tools and their utility is evolving quickly.
- As in previous years, we will extend our campaign into October – anticipating another longer warm fall as well as the continued spread of invasive mosquitoes. However we will plan to limit or stop the television and radio buys knowing the political ads will be very prevalent at this time.
- We will increase and disseminate targeted messages specific to invasive *Aedes* mosquitoes to any areas where they are detected.
- The 2024 campaign will achieve these objectives by purposely utilizing more "digital tools" Social media, content development and other tools/tactics.

- The digital form of outdoor ads will also be a strong part of the campaign by displaying our messaging on the large format digital billboards that are seen on our major freeways.

Data Drives Our Strategy

The District will continue to access the most current Syndicated Research (Nielsen, Scarborough, Arbitron, Google Analytics, etc.) and other data to quantify, allocate, and efficiently deliver our messaging to those residents who are the most vulnerable and have the highest risk of harm within our service counties.

This research:

- Helps us carefully track and measure the expansion of the adults we purposely target: Homeowners - Families with Children ages 0-17; Seniors 55+, and women.
- Is used to track and identify the market composition, profile, and geographic distribution of our targets and reveals how their media utility and consumption is evolving.
- Helps us carefully analyze each media tool (current and historic) to help us provide the most effective and efficient media utility and to negotiate the very best rates.
- Helps us design a campaign that reaches our target audience at the adequate frequencies across the regions that we serve.

As always, our media utility and allocation is continuously adjusted based on the evolving media consumption of our targets.

Campaign Goals:

- To educate and inform the community about mosquitoes, prevention of West Nile virus and other vector-borne diseases and pay careful attention to communicating the expansion of invasive mosquitoes and the threats they pose.
- To highlight the District’s services and increase public awareness of how individuals can help us “fight-the-bite” by: draining standing water, using personal protection, reporting dead birds, etc.
- To enlist community support as to the overall importance of mosquito abatement, how “mosquito control matters, and how all of us can help”.
- To build public trust and enhance our brand by advancing awareness that we are a consistent, reliable, and a very responsive resource in their community.
- To increase public awareness of the Fight-the-Bite Campaign and drive more individuals to our website for more information.

Advertising Strategy

The 2024 campaign will incorporate a fluid mix of several media tools and shifts will be made in accordance with how media is consumed by our target audiences and any emerging trends.

TELEVISION:

- Television (broadcast and cable) - along with an increased use of digital television will still serve as a strong foundation of the media campaign and provide the audio and visual aspect of the messaging strategy.
- The COVID 19 shuttering “pushed” considerably more people to work from home and increased the consumption of video and audio content. The latest research reveals that much of this new approach will remain indefinitely and, in many cases, permanently.

- As mentioned earlier, the use of TV and Radio Streaming will be increased as more people continue to adopt this type of content.
 - *OTT (Over-the-Top) TV is the new “digital” product that reaches the audiences that have “cut their cords” and now download streaming content of their choice on an a la carte basis. Our commercials are “inserted” into this programming to those households that are comprised of the targeting criteria that we seek*
 - *Devices such as Apple TV, Roku, Amazon Fire, Google TV/Chromecast, Smart TV’s, and others provide access to all sorts of content through providers like Hulu, Prime, Max, Paramount, Peacock Disney+ and others. Most of the content that is served includes TV commercials that are “placed” in them, and we continue to increase our share of spend in these products.*
- We also use ethnic targeted TV according to population densities of these consumers. Commercials are produced in Spanish, Vietnamese, Hmong, Mandarin and Russian in many cases.
- Special TV sponsorships such as the “live Fight the Bite mentions” during many River Cats broadcasts will be used again this year. These “programs” help us extend the length of our messaging while tying us more closely and relevantly to the communities that we serve. We will also be exploring opportunities with new partners such as Sacramento Republic soccer league.

RADIO:

- Radio commercials (spots) will remain a strong element of the campaign and will include programming sponsorships, on-air appearances, interviews, and public service type announcements.
- We also negotiate a significant volume of bonus spot coverage to “fill in” during any off-weeks during each station’s flights.
- More streaming radio will be included as a higher percentage of this year’s radio budget.
 - *Streaming Radio is the Radio Industry’s version of OTT that now places targeted commercials through devices that are driven by “Spotify, Alexa, Siri, etc.”. Many radio companies also now also offer commercial placement into platforms that offer a wide variety of music formats such as iHeart Radio.*
- Non-English radio is also used in accordance with research – and includes Spanish and Russian languages.

SOCIAL MEDIA:

- The consumer use of social media continues to grow – especially for news and entertainment, as a result, our use of this type of Digital Media will continue to grow.
- This will include an increase in targeted digital platforms - utilizing Facebook, X (the new version of Twitter) Instagram and Nextdoor.
- We will focus on increasing the number of fans by using Facebook Ads, as we post timely, relevant, interesting, and shareable content.
- This will increase our exposure to the online community giving the District even higher visibility.
- We will continue to specifically increase our partnership with Nextdoor – focusing on neighborhoods where invasive mosquitoes are found.

TIMING:

- The advertising campaign will debut during Mosquito Awareness Week in April as a kick off of the season. Most of this media time is included “complementary” because we always seek value-added support from our media partners during this time.
- The primary campaign will launch at the end of May as we lead into Memorial Day. This holiday continues to be recognized as the season’s first major outdoor weekend when people are enjoying the outdoors, and messages will focus on the use of repellent for personal protection.

- Beginning in mid-June when the weather starts to get warmer, the campaign weight and the core messaging will increase accordingly.
- Television, radio, and outdoor schedules will be more deliberate at that time, and then build in reach and frequency as the summer continues to heat up.
- July, August, and September are the peak months of the campaign when virus and invasive activity is historically high.
- Heavier messaging will purposely occur especially around Fourth of July, National Night Out and through Labor Day.
- The campaign will continue to build through these months and extend into October.

VALUE-ADDED:

- As part of our paid advertising negotiations, we obtain a very high volume of value-added advertising and promotion. This includes the aforementioned radio bonus spots and sponsorships, as well as many free public service announcements and bonus coverage.
- We are also offered the opportunity to appear in various Public Affairs shows throughout the season. These shows are hosted by several different television and radio stations.
- Media partners also distribute our materials and repellent at many of their station's promotional events and community appearances and more of that is planned again this year.
- The campaign will also be supported by press releases and the free news coverage that many media partners help us to generate.

RECOMMENDATION:

Approve the 2024 Advertising Plan not to exceed 375,000.

Sacramento-Yolo Mosquito and Vector Control District

February 20, 2024 Board Meeting

5. Board Review of the District's 5-Year Plan

Staff Report:

As background, in January of 2015, the Board was presented with a 5-Year plan of proposed projects to increase efficiency in various Department-specific activities. Development of this plan began in the winter of 2014, when all District Departments began collecting data on their current needs and identified areas for future improvement as well as areas of growth. This brainstorming process broke down core concepts that became the initial draft of the 5-Year Plan. The process was augmented by the formation of an Ad Hoc committee, created at the February 2014 Board meeting, as a means to help guide the Departments in further developing their ideas.

The initial 5-Year Plan concluded in 2019, with several completed projects. The momentum was ongoing, however, and additional projects were added, resulting in the "rolling" 5-Year Plan that currently exists. This Staff Report is an informational summary detailing projects completed in 2023 and new and/or revised projects identified at year end 2023 for the Administration Department (including the Administrative, Information Technology, Geographical Information, Public Information, and Facilities Divisions), Control Operations Department (including the South Sacramento, North Sacramento, Woodland, Catch Basin, and Aedes Divisions), Ecological Management Department, Biological Control (Fisheries) Department, Laboratory Department, and the Mechanical Innovation (Shop) Department.

The 5-Year Plan is the District's fluid, high-level, program document that is designed to guide the District in identifying and addressing advancements, goals, changing regulations, etc., and be adjusted as the needs of the District change. Updates are provided to the Board during the January/February meeting of each year to highlight those adjustments.

Summary by Department/Division:

Administration Department / Information Technology Division

Information Technology Administrator: Dan Fisher

Number of employees: One (1) Full-Time

During 2023, the Informational Technology (IT) Division of the Administration Department continued work on creating and updating training programs to work with the current Mapvision system that staff are using in the field. District phone software upgrades and mobile phone upgrades were completed in 2023/early 2024, this project is continuous and will be revisited in late 2024. Staff are now using the latest windows system for District applications now that the Windows 10 conversion for the District was completed in 2023 early 2024. The IT department plans to look further into Leading Edge applications for the Mapvision iPad app in early 2024, testing and application use will be evaluated to see if the project warrants further investigation. Work to implement multiple zip codes into the Districts public notification system is planned for early 2024. This would allow users the ability to receive notifications for multiple zip codes as opposed to the current option to receive either one or all zip codes within the District boundaries. Other projects planned for early 2024 include server OS upgrades and network upgrades. These upgrades will allow a VPN firewall to be used and would also upgrade the woodland router. Planned projects for the future include IT policy updates improving cybersecurity and conversion of front office forms from paper format to eForms. The IT department will continue to evaluate appsheet applications for lab integration and evaluate the usefulness of this platform for other District departments. Ongoing projects include District cybersecurity audits and IT security updates.

Administration Department / Geographic Information Systems Division

Geographic Information Systems Coordinator: Ruben Rosas

Number of Employees: One (1) Full-Time

Ongoing work continues improving the accuracy of the Districts organic database of agriculture areas, this work is expected to continue until 2025. This upcoming year will continue to explore how to utilize the drone program to improve the efficiency of fall flooding inspections. This upcoming year the GIS department will begin work on analyzing chemical usage that is site specific within the District. The goal of this project is to allow departments better information to help evaluate the need for product rotation and assess the reasons for treatments. This could directly tie into the Eco program getting involved and developing new projects that would help source reduction in the District.

Administration Department / Public Information Division

Public Information Officer: Luz Maria Robles

Number of Employees: One (1) Full-Time

The evaluation of outreach materials is an ongoing responsibility of this Division. The District continues to detect invasive Aedes species through its ongoing and extensive trapping program. Last year Public Information worked together with the Aedes Crew Supervisor and developed materials more specific to invasive mosquito species and the communities affected. These informational bags were handed out to over 1,200 residents and were a great tool in communicating with neighborhoods throughout the District. Public Information relies on a strong digital media presence and continues to prioritize the District's message, utilizing social media platforms such as Instagram, Facebook and Twitter to reach a broader audience. Community-

focused sharing of information continues to be accomplished through sites like NextDoor. Public Information contracted with Red Shoe Productions to roll out school assembly programs to the various schools in the District's service area. After evaluation of the effectiveness of this contract the District will be expanding services and focusing more effort on the school assemblies. Work is still ongoing on the fight the bite app for service requests and updates on WNV activity. A redesign of the Districts website is on the horizon for either 2024 or 2025 initial work will begin on that process soon. In the 2024 season the Public Information Department will focus on implementing more short video series for use in social media. Future plans include more fence signage, enhanced tick education and more tick signage along trails, branding of a fight the bite mascot (Macy Mosquito) and development of new partnerships with local sports teams such as Sac Republic and The Sacramento Kings.

Administration Department / Facilities Division

Overseen by Assistant Managers: Steve Ramos and Tony Hedley

Contracts are in progress for projects around the facility that will improve safety and efficiently utilize space for staff workstations. A local tree trimming company has been contacted to begin trimming and removal of trees along the Bond Road portion of the District property. A contractor has also been chosen to move forward with the administration office redesign. In the staff working area, cubicle working areas are being rearranged to provide more space for crews to operate out of as the workforce expands during peak season. Inquiries regarding expanded parking structure near the pole barn continue and this project is now expected to be resolved in 2025. The evaluation and usefulness of more modular buildings being brought onto the property will begin in 2024, modular buildings may offer a solution to the need for expanded changing areas for staff or possibly just an expansion of work area. The evaluation of our Districts fleet will continue to be examined as the state moves closer to an EV requirement, outside vendors have been contacted to assist in the evaluation. Updates and improvements are being considered for the lab building as needs and the workflow of the lab continues to evolve. Furthermore, at our Woodland facility, we will conduct an inquiry into and solicit quotations for tree trimming, as well as slurry seal and hole repair. These maintenance activities were last undertaken six to seven years ago.

Administration Department / Administrative Division

Manager: Gary Goodman

Assistant Managers: Tony Hedley and Steve Ramos

Administrative Manager: Lisa Pelletier

Number of Employees: Seven (7) Full-Time

The Administration Department has expanded the staff to include a third full-time Administrative Assistant. The new Administrative Assistant position has allowed the District to review, evaluate and improve management of its HR, safety, training, customer service and reception duties. We are stabilizing after years of turnover in the Admin Department. Our new team is thriving, and we already see a remarkable improvement in employee morale, work ethic, efficiency and cooperation throughout the District as a result.

We are upgrading from SAGE to Quickbooks as our District accounting, payroll and timekeeping system. The Quickbooks system is less expensive, more accurate, user friendly and better equipped to manage the District's financials. The transition from Sage to Quickbooks will be ongoing through the first quarter of 2024.

We will be remodeling the Front Office in the next few months. The remodel, which includes new offices in the Admin Department, will allow three to five Supervisors to relocate to the Front

Office. This will increase corroboration and accessibility to staff. We are also building new workspaces which will expand our ability to maintain confidentiality and privacy (files and communication) to meet the District's growing needs.

In the next five years, our goals are to streamline, improve and expand the services the Administration Department provides to District employees and the public. We are committed to accuracy, accountability, and comprehensive support of the District, which will strengthen the foundation of our commitment to serve and protect public health.

Control Operations Department

**North Sacramento Division / South Sacramento Division / Woodland Division
Catch Basin Division / Aedes Division**

Field Supervisors: Richard Speakman, Demetri Dokos, Brett Day, Will Hayes, Ryan Wagner, David Smith

Number of Employees: 38 Full-Time

In Control Operations, our five Divisions engage in diverse projects and plans. For example, Inventory Tracking, initially focused, now includes pesticide inventory. We continuously evaluate new products and technologies, such as Altosid XR-G Ultra from Central Life Sciences, a small granular product with up to 28 days of residual control in standing water, proving effective in flood water habitats. Fyfanon EW, tested in 2022, became a dependable adult mosquito control tool in the urban environment in 2023. Evaluate the need for more ATV spray equipment (ULV and liquid).In light of the expanding ULV techniques, such as AM ULV and additional backpack ULV, our focus will be directed towards exploring quieter electric units.

A significant initiative involved adult and larval control within the city limits of Davis and Woodland, a previously unexplored approach, effectively targeting AM peak mosquitoes while minimizing public exposure.

The Catch Basin Program utilizes an in-house mobile app for storm drain data, replacing the paper map system. This streamlined database aids in history tracking and allows technicians to expedite treatment routes. The larvicide efficacy monitoring program leverages the mobile app to monitor product potency and determine real-world residual life.

Expanding the mobile app concept to other departments, including administration and vehicle repair, aims to create a cohesive data management platform. Exploring public outreach, the Catch Basin Program plans an "Adopt a Basin" program, collaborating with GIS and Public Outreach for resident stewardship of catch basins, enhancing communication with municipalities responsible for storm drain maintenance.

Ecological Management Department

Ecological Management Supervisor: Kevin Combo (2023)

Number of Employees: Three (3) Full-Time

The ecological department has continued to pursue drone photogrammetry as a tool in assessing the size and impact of many mosquito breeding sites. Staff utilized drone aerial photography during Fall Flooding to assisted staff in discerning the size of area to treat and in billing for the re-cooperation of costs affiliated with early fall flooding of wetlands.

The Eco department has also continued to explore retrofitting of available equipment. Staff in partnership with the District shop supervisor continue to investigate and stay apprised of the ever-changing California Air Resources Board (CARB) regulations that affect District heavy equipment and fleet status. This will be an ongoing effort to make sure that the District stays in compliance. This evaluation will be ongoing in the years 2025/2026.

The Ecological Management Department is evaluating the most effective path to implement Best Management Practices (BMPs) and incorporate them with the District's Best Management Practices Program. On an ongoing basis, Staff in coordination with Control Operations will assess potential urban BMP's such as, but not limited to: container drop off locations in areas with high invasive Ae. population densities and/or an above ground pool removal program for unmaintained swimming pools.

The Ecological Management Department will continue to evaluate the current programs (Agricultural, Cemetery, Planning, Dairy, Stormwater, and Wetland Flooding etc.) and streamline processes that make the programs more effective and efficient. Staff is focusing on revising the current Wetland Flooding Program to incorporate additional cost sharing with landowners and entities in an effort to offset the increasing costs incurred by the District for the utilization of aircraft used in pesticide applications.

The Ecological Management Department will evaluate the need for additional earth moving equipment (excavator series) to implement mosquito reducing BMPs. Staff will evaluate the cost differentials of buying vs. renting equipment to perform BMP projects.

Ecological Management staff will explore the use of primary herbicides as an effective tool to reduce emergent vegetation in mosquito breeding habitats and reduce the frequency of vegetation control via mechanical means. Over the next few seasons, Ecological Management staff will evaluate historical sites that have had bi-annual vegetation control via mechanical means and will apply herbicides to discern if herbicide applications are an alternative tool that can be used in vegetation management in an effort to reduce technician time and decrease equipment deterioration and maintenance.

Ecological Management staff will continue to stay apprised of environmental limitations such as but not limited to; Endangered Species Act, CEQA, NEPA, and Waters of the US that influence Ecological Management Practices and District Operations. Staff will investigate additional training modules and webinars and potentially create in house training materials for those Departments affected by environmental regulations.

Ecological Management Department in coordination with the IT Dept. and Ryan Wagner will continue to develop and expand the Ecological Management Data platform that was instituted in 2023. This platform allows all staff to observe up to date status of Ecological Management projects, cemetery treatment schedules, planning document reviews, and forecasted and live fall Wetland Flooding program treatments and acreages.

Mechanical Innovation/Shop Department

Shop Supervisor: Robert Fowler

Number of Employees: 3 full-time

In 2022, the purchase of one Can-Am UTV, tailored for hauling our Cobra A1 unit, proved notably time-efficient. This vehicle served multiple technicians in both our Elk Grove and

Woodland offices. In 2024, Robert will once again obtain estimates for purchasing an additional Can-Am UTV, intended to replace an aging ATV in Woodland. The Shop maintains consistent oversight of the District fleet, implementing changes as needed. The upcoming year will involve an evaluation for new ATVs in Control Operations to diversify vehicles accessible to our Field Technicians. The seven right-hand-drive Jeeps, designated for the Catch Basin program, have proven their worth in the field. Additionally, the Shop oversees vehicle outfitting and enhancement. A significant 2023 project involved replacing gas pumps powering larvicide spray tanks with more compact electronic ones, offering increased truck bed storage without compromising power. The Shop's mechanics have crafted modifications for the Jeeps, including high-definition cameras for basin inspections and bike racks to carry bikes for high-traffic areas. The shop also looks forward to evaluating the potential for EV fleet integration. This year, the shop will gather information on what is currently available for potential replacement of the District's internal combustion engine (ICE) vehicles. In addition, the shop intends to determine if there are viable lease options available to help modernize the current fleet and help reduce maintenance/fuel costs while improving staff safety.

Biological Control Department (Fisheries)

Fisheries Supervisor: Kenneth Harris

Number of Employees: Three (3) Full-Time

A continuous objective of Biological Control (Fisheries) is to enhance the District's production of the mosquitofish *Gambusia affinis*, ensuring increased yields from our ponds while implementing proper predatory exclusions. Another ongoing goal involves securing all the District's earthen ponds with fencing. In 2022, there was a noticeable boost in mosquitofish production in additional ponds where predatory exclusion fencing was installed. Consequently, prioritizing the increment of fenced ponds until all District ponds are secured becomes a priority.

In 2023, the District expanded with the addition of two more predatory exclusion ponds, anticipating an increased production of fish. However, there is a growing concern about the lack of genetic diversity in the mosquitofish population. Historically, Fisheries has engaged in mosquitofish exchanges with other Districts in our region to augment genetic diversity (recently reaching out to external sources for the same). We aim to establish a Fish Exchange Program with Districts in Southern California to introduce diversified genetic stock into the population we rear on-site.

Laboratory Department

Laboratory Director: Sarah Wheeler

Supervisors: Debbie Dritz (Vector Ecologist) and Mario Novelo Canto (Biologist)

Number of Employees: 12 Full-Time

As of 2021 the Laboratory has used Mapvision as the primary data management system. The District is currently investigating both internal and external solutions to enhance data management and visualization, and has begun evaluating different solutions for the *Aedes aegypti* surveillance and control program and the Laboratory. The molecular laboratory space and PCR machine were both recently upgraded but the nucleic acid extraction unit is original to the program and is no longer supported by the manufacturer, Life Technologies. The unit will require replacement within the next year or two. In 2024 the Laboratory will continue assessing adult and larval insecticide resistance in both *Culex pipiens* and *Culex tarsalis*. Resistance data is used to select effective products and is uploaded into CalSurv to be used as a resource for the vector control community. Insecticide resistance testing requires the rearing of field-collected

mosquitoes. These are kept separately from our maintained colonies. Currently, an old office space equipped with shelves and climate control is utilized, but infrastructure improvement to the space including a sink and workspace would greatly improve the workflow. Since the introduction of *Aedes aegypti* into Sacramento County in 2019 the District has investigated the suitability of a sterile insect program. Registration issues have slowed the implementation of some sterile insect techniques, but we continue to assess district needs and potential sterile insect strategies. Lastly, the Laboratory will continue to assess staffing needs as workflow continues to evolve now that *Aedes aegypti* and *Aedes albopictus* are established within District boundaries.

Summary of Projects Completed in Previous Years

Projects completed in 2023

- Creation of a WALS Route Folder for travel path reference
- Targeted education materials to communities with invasive *Aedes*
- Attended response events in cities with invasive *Aedes*
- Red Shoe assemblies in schools. There will be 25 assemblies in 2024
- The GIS Department created a web-based map that allows staff to access the California Natural Diversity Database (CNDDDB).
- The GIS Department coordinated with IT and field supervisors to utilize NearMap imagery to verify the condition of known neglected swimming pools.
- The GIS Department used remote sensing techniques including Drone terrain surveys for BMP ditch construction and fall flooding inspections.
- Upgraded laboratory space and PCR machine
- Exclusionary pond netting added to District ponds
- Windows 10 conversion completed

Recommendation: Information Only