

Sacramento-Yolo
MOSQUITO & VECTOR
CONTROL DISTRICT

MAY 23, 2023

BOARD OF TRUSTEES
SPECIAL 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 23, 2023
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 April 25, 2023 Board of Trustees Meeting**
 - b. **Expenditures for April 2023**
 - c. **District Investment Report for Period Ending March 31, 2023**
 - d. **Board Consideration of Resolution Honoring Marilou Thomas for Her Years of Service**
 - e. **Board Consideration of Resolution Honoring Bruce Eldridge for His Years of Service**

2. **Opportunity for Public Comment**

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

3. **Reports to the Board**
 - a. **Manager's Report**
 - b. **Reports from District Departments**
 - **Lab/Surveillance**
 - **Ecological Management**
 - **Biological Control**
 - **Larval and Adult Control**
 - **Public Outreach**

4. **Board Review and Consideration of Prepayment to Farm Air for Aerial Larviciding Services**
5. **Board Review and Discussion of District Plan for 2023 Rice Larvicide Applications and Aerial Adulticiding Program**
6. **Board Review and Discussion of District Projects and Collaborations for the 2023 Season**
7. **Board Review and Discussion of Draft District Budget for 2023-2024**
8. **Closed Session- Provide Instruction to Designated Labor Representatives (Gov. Code s. 54957.6-Labor Negotiations) Agency Designated Representatives : [Gary Goodman, Kim Bogard] Employee Organization: [Operating Engineers Local Union #3]**
9. **Board/Staff Reports and Requests**
10. **Adjournment**

**MINUTES OF THE APRIL 25, 2023
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 10:01 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
Staci Gardiner		Isleton
Lyn Hawkins		Elk Grove
Gar House*		Winters
Jayna Karpinski-Costa		Citrus Heights
Raymond LaTorre		Sacramento
Robert McGarvey		Rancho Cordova
Christopher Barker	Absent	Davis
Bruce Eldridge	Absent	Yolo County

*Appeared Remotely

Staff Present:

Gary Goodman	Manager
Jeni Buckman (10:05am)	Legal Counsel
Steve Ramos	Assistant Manager
Tony Hedley	Assistant Manager
Rebecca Lane	Administrative Manager
Marty Scholl	Ecological Mgmt. Supervisor
Ken Harris	Biological/Fisheries Supervisor
Sarah Wheeler	Lab Director
Kevin Combo	Control Operations (No. Sacramento) Supervisor
Luz Robles	Public Information Officer

*Appeared Remotely

Others Present:

Kim Bogard*	Labor Relations Attorney
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*Appeared Remotely

Roll Call

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

Pledge of Allegiance

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

1. Items for Approval by General Consent

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

- a. Minutes of the March 23, 2023 Board of Trustees Meeting
- b. Expenditures for March 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.

No one was present for public comment.

3. Reports to the Board

Manager's Report:

The Manager discussed the current status of the season with the amount of rainfall and the impact it is having on operations. He reported on the budget process and gave an update on the audit. He also discussed the upcoming Legislative Day in DC for AMCA.

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

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

Lab/Surveillance:

Lab Director Sarah Wheeler updated the Board on the Department's current activities. Mosquito abundance remains low. The dead bird call center opened on April 10th and the Lab is collecting and testing birds called in by the public. Sentinel chickens will be picked up and distributed to surveillance sites on April 27. Abundance of *Ixodes pacificus* peaked in January and declined through February and March. In the Lab, ticks

are tested in pools of up to five (5) ticks and minimum infection rates are calculated. To investigate whether pooling ticks was leading to an underestimation of infection rate, we tested individual ticks from Willow Creek where five of nine pools were positive in January. Overall, 46 individual ticks were tested and only one was positive for *Borrelia burgdorferi*. We will re-evaluate individual testing during the 2023/2024 season.

Ecological Management:

Ecological Management Department Supervisor Kevin Combo updated the Board on the Department's current activities. The Technicians have started their annual vegetation control projects, which were put on hold due to the record rainfall and late winter storms. These projects will facilitate Field Technician access to difficult areas to treat breeding sites. Staff have been coordinating with land managers/owners and developing Best Management Policies (BMPs) that will reduce or eliminate mosquito breeding and the need for/or a reduction in pesticide applications at these sites.

The Department continues to review and comment on upcoming planning projects that may have potential impacts to mosquito control. The annual letter to cemeteries has been sent in an effort to limit breeding in cemetery vases. The Ecological Management Department has developed an internal Project Submission form that Field Technicians and supervisors can utilize to document and monitor the status of current Ecological Management projects. The Department currently has 32 projects submitted by Field Technicians and has been able to complete eight of them. As spring has arrived, staff will attend stakeholder meetings with wetland managers on drawdown procedures for their wetland complexes.

Biological Control:

Biological Control / Fisheries Supervisor Ken Harris updated the Board on the Department's current activities. The Department is seeing increasing fisheries activities and fish distribution to our open grow-out ponds. Staff is currently focused on continued training, monitoring pond chemistry, and ongoing maintenance of equipment and facilities. Fish usage by Field Technicians and the number of sources and acreage treated is up this year. The Department is excited to have some new hires to enhance Departmental efficiency and capacity, as the fisheries team looks forward to this year's operational season.

Larval and Adult Control:

Program Manager Marty Scholl updated the Board on the Department's current activities. Service requests have picked up, with 37 in March and 132 so far in April. The Yolo Service requests seem to be focused on fish for residential ponds, as there is not yet many larvae except in residential ponds. *Aedes* has not yet been detected, as Field Technicians continue to look in North Sacramento neighborhoods, before moving on to Winters and South Natomas. The Sacramento crews have found some queens (using YJ Traps). Irrigation has started. In Yolo County, the Rice agreements are going out. Although many areas are still wet, farmers are beginning to work the grounds, and we anticipate it will be a high rice acreage year. Fish Service Requests are increasing. Staff is finishing up ULV equipment calibrations.

Public Outreach:

Public Information Officer Luz Robles updated the Board on the Department's current activities, including Mosquito Awareness Week (which was April 16th to the 2nd), the launch of the advertising campaign, awarding of the Fight the Bite Contest winners, and repellent distribution. Luz discussed the variety of outreach events attended during April, new signs posted on walking trails to enhance our tick awareness outreach, and the ongoing dissemination of messages on social media.

- 4. Closed Session – Provide Instruction to Designated Labor Representatives (Gov. Code s. 54957.6-Labor Negotiations)**
Agency Designated Representatives : [Gary Goodman, Kim Bogard]
Employee Organization: [Operating Engineers Local Union #3]

The Board went into Closed Session at 10:37 a.m. and came out of Closed Session at 11:29 a.m. Board Counsel Jeni Buckman advised that the Board met with the designated Labor Representatives and there was no reportable action.

- 5. Board/Staff Reports and Requests / General Discussion**

General discussion included an update by General Manager Goodman on annual City Council and County Board presentations. Rice summary, the District's NPDES permit, and a remodel of the main building's front office, to allow for District growth and improved operational efficiency, were also mentioned. Mr. Goodman let the Board know that staff would present the draft Budget (reflecting a 5% cost of living increase for salaries) at the May meeting and a list of upcoming projects.

6. ADJOURNMENT

The meeting adjourned at 11:39 a.m.

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the April 25, 2023, meeting.

Gary Goodman, Manager

Approved as written and/or corrected by the Board of Trustees at the May 25, 2023, meeting.

Charles Duty, Board Secretary

Check History Report
Sorted By Check Number
Activity From: 4/1/2023 to 4/30/2023

Sacramento Yolo MVCD (SYC)

Bank Code: U US Bank					
Check Number	Check Date	Vendor Number	Name	Check Amount	Check Type
056517	4/7/2023	0000504	US Bank	23,041.15	Auto
056518	4/11/2023	0002428	Benefit Coordinators Corp.	9,150.90	Auto
056519	4/11/2023	0000267	Kaiser Foundation Health Plan	49,389.20	Auto
056520	4/11/2023	0000141	PRISM	370.11	Auto
056521	4/11/2023	0000957	Sutter Health Plus	10,506.66	Auto
056522	4/11/2023	0000531	Western Health Advantage	7,439.26	Auto
056523	4/11/2023	0000531	Western Health Advantage	1,088.41	Auto
056524	4/12/2023	0000013	Airgas USA LLC	248.61	Auto
056525	4/12/2023	0000014	Alhambra & Sierra Springs	109.98	Auto
056526	4/12/2023	0001021	AMCA Research Fund	50,000.00	Auto
056527	4/12/2023	0000034	AutoZone Inc	577.69	Auto
056528	4/12/2023	0002541	Barnes Welding	441.56	Auto
056529	4/12/2023	0001011	Buckmaster Office Solutions	415.32	Auto
056530	4/12/2023	0002613	Charles Duty	60.68	Auto
056531	4/12/2023	0001019	Cintas Corporation	3,781.77	Auto
056532	4/12/2023	0000117	City of Woodland	253.73	Auto
056533	4/12/2023	0002608	Cleanit Maintenance Systems LLC	2,995.00	Auto
056534	4/12/2023	0002422	Delphia Consulting, LLC	165.00	Auto
056535	4/12/2023	0001244	Drone Deploy	2,250.00	Auto
056536	4/12/2023	0000181	Elk Grove Dodge	7.51	Auto
056537	4/12/2023	0000184	Elk Grove Lock and Safe Company	10.60	Auto
056538	4/12/2023	0000186	Elk Grove Water District	355.77	Auto
056539	4/12/2023	0000219	Gary Goodman	747.47	Auto
056540	4/12/2023	0000958	GreatAmerica Financial Services	376.28	Auto
056541	4/12/2023	0001233	Grow West	128.58	Auto
056542	4/12/2023	0000240	Hunt & Sons Inc	3,807.82	Auto
056543	4/12/2023	0000250	Jack Nadel International	4,539.44	Auto
056544	4/12/2023	0002526	Janell Darroch	211.78	Auto
056545	4/12/2023	0000255	Jayna Karpinski -Costa	65.00	Auto
056546	4/12/2023	0000277	Kimball Midwest	678.35	Auto
056547	4/12/2023	0000293	Life Technologies Corporation	5,527.10	Auto
056548	4/12/2023	0000306	Maita Chevrolet	47.70	Auto
056549	4/12/2023	0002426	NearMap	13,500.00	Auto
056550	4/12/2023	0000367	PG & E	4,594.85	Auto
056551	4/12/2023	0001488	Red Shoe Productions	12,800.00	Auto
056552	4/12/2023	0000562	RKL eSolutions, LLC	2,087.50	Auto
056553	4/12/2023	0001465	Sacramento Control Systems, Inc.	495.00	Auto
056554	4/12/2023	0000424	Safe Side Security	282.00	Auto
056555	4/12/2023	0000425	Safe Systems	626.61	Auto
056556	4/12/2023	0000454	Spark Creative Design	190.08	Auto
056557	4/12/2023	0002612	Staci Gardiner	45.94	Auto
056558	4/12/2023	0001234	T-Mobile	1,456.22	Auto
056559	4/12/2023	0002407	Valley Fire & Security	69.50	Auto
056560	4/12/2023	0000518	Vector Disease Control International	53,125.00	Auto
056561	4/12/2023	0000073	Vector-Borne Disease Account	819.00	Auto
056562	4/12/2023	0000522	Verizon Wireless	2,923.20	Auto
056563	4/12/2023	0002614	Volt Energy	614.00	Auto
056564	4/12/2023	0000529	Waste Management	247.93	Auto
056565	4/26/2023	0002615	Lucia Mendoza	200.00	Auto
056566	4/28/2023	0000043	Benefit Coordinators Corporation	3,588.47	Auto
056567	4/28/2023	0000084	CA State Disbursement Unit	350.00	Auto
056568	4/28/2023	0001035	Operating Engineers Local Union No. 3	1,088.00	Auto
W00344	4/28/2023	0000511	US Treasury Internal Revenue Service	64,121.85	Wire Transfer
W00345	4/28/2023	0000176	EDD	17,146.92	Wire Transfer

Check History Report
Sorted By Check Number
Activity From: 4/1/2023 to 4/30/2023

Sacramento Yolo MVCD (SYC)

Bank Code: U US Bank

Check Number	Check Date	Vendor Number	Name	Check Amount	Check Type
W00346	4/28/2023	0000339	Nationwide Retirement Solutions	3,625.00	Wire Transfer
W00347	4/28/2023	0000339	Nationwide Retirement Solutions	2,300.00	Wire Transfer
W00348	4/28/2023	0000086	CalPERS 457 Plan	17,079.43	Wire Transfer
W00349	4/28/2023	0000087	CalPERS Financial Reporting & Accounting Services	87,850.75	Wire Transfer
Bank U Total:				<u>470,015.68</u>	
Report Total:				<u><u>470,015.68</u></u>	

I hereby authorize the use of my signature plate on the above-listed warrants, 056517-056568, and EFTs

Signature

Date

Marcia Mooney, President of the Board

Sacramento/Yolo M.V.C.D.

STATEMENT OF OPERATION

	<i>10Months Ended April30 2023</i>	<i>Annual Budget</i>	<i>Unused</i>
Revenue			
REVENUE	10,371,233.92	0.00	10,371,233.92
TOTAL Revenue	<u>10,371,233.92</u>	<u>0.00</u>	<u>10,371,233.92</u>
Expenditures			
SALARIES/BENEFITS/WC			
SALARIES/BENEFITS/WC	9,870,046.78	10,114,835.00	244,788.22
TOTAL Salaries	<u>9,870,046.78</u>	<u>10,114,835.00</u>	<u>244,788.22</u>
OPERATIONAL			
LIABILITY INSURANCE	247,704.00	240,624.00	(7,080.00)
AUDITING/FISCAL	11,000.00	18,000.00	7,000.00
COMMUNICATIONS	66,874.48	99,000.00	32,125.52
PUBLIC INFORMATION	368,809.67	595,500.00	226,690.33
STRUCTURE & GROUNDS	63,787.08	69,000.00	5,212.92
MEMBER/TRAINING	76,372.18	148,000.00	71,627.82
DISTRICT OFFICE EXPENSES	17,090.50	22,500.00	5,409.50
PROFESSIONAL SERVICES	346,403.37	297,000.00	(49,403.37)
MATERIALS & SUPPLIES	17,476.36	22,750.00	5,273.64
RENTS & LEASES - Admin	7,357.03	11,550.00	4,192.97
SAFETY PROGRAM	2,130.00	5,000.00	2,870.00
UTILITIES	99,556.19	120,000.00	20,443.81
AIRCRAFT SERVICES	423,817.80	1,074,000.00	650,182.20
ECOLOGICAL MANAGEMENT	3,352.33	14,700.00	11,347.67
MICROBIAL	882,817.36	1,200,000.00	317,182.64
INSECT GROWTH REGULATOR	635,223.02	1,133,000.00	497,776.98
INSECTICIDES	435,448.02	700,000.00	264,551.98
FISHERIES	14,038.14	36,000.00	21,961.86
GEOGRAPHIC INFO SYSTEMS	4,061.00	9,000.00	4,939.00
INFORMATION TECHNOLOGY	44,301.89	80,000.00	35,698.11
CONTROL OPERATIONS	20,512.04	66,000.00	45,487.96
VEHICLE PARTS/LABOR	101,314.97	121,000.00	19,685.03
LAB SERVICES	111,547.27	235,300.00	123,752.73
GAS & PETROLEUM	143,092.75	300,000.00	156,907.25
TOTAL Total Operational	<u>4,144,087.45</u>	<u>6,617,924.00</u>	<u>2,473,836.55</u>



SACRAMENTO COUNTY

8631 Bond Road
Elk Grove, CA 95624

(800) 429-1022
www.FIGHTtheBITE.net

Gary Goodman
General Manager

2022 Board of Trustees

Marcia Mooney
President, Galt

Gar House
Vice President, Winters

Sean Denny
Secretary, Woodland

Christopher Barker
Davis

Craig R. Burnett
Folsom

Janell Darroch
West Sacramento

Charles Duty
Sacramento County

Bruce Eldridge
Yolo County

Lyndon Hawkins
Elk Grove

Jayna Karpinski-Costa
Citrus Heights

Raymond LaTorre
Sacramento

Robert J. McGarvey
Rancho Cordova

Staci Gardiner
Isleton

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, 2023**.

Institution		Earnings	Total as of 12/31/2022
Yolo County Treasurer Investment Pool	2.426%*	\$13,814.65	\$762,691.91
L.A.I.F.	2.74%	\$75,025.55	\$13,025,191.53
VCJPA-Member Contingency Fund	1.93%	\$36,110.00	\$1,705,123.00
CERBT-Strategy 3		\$82,315.69	\$2,036,919.86
		District Total:	\$17,529,926.30

**Rates are reflected as annualized earning rates*



County of Yolo

www.yolocounty.org

CHAD RINDE, CPA
Chief Financial Officer
TOM HAYNES
Assistant Chief Financial Officer

DEPARTMENT OF FINANCIAL SERVICES

625 Court Street, Room 102
PO BOX 1995
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
- Procurement

May 10, 2023

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, 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 March 31, 2023:	2.426%*		\$ 13,814.65
Quarter ending March 31, 2023:		2.74%	\$ 75,025.55

Placement of Funds as of March 31:

Yolo County Treasurer's Pool (Fund 6953)	\$ 762,691.91
Flexible Spending Account	7,711.79
LAIF	<u>13,025,191.53</u>
Total	\$ 13,795,595.23

*Rates are reflected above as annualized earning rates.

Sincerely,

Sou Xiong
Accounting Manager



Vector Control Joint Powers Agency

Member Contingency Fund

For the Quarter Ended

March 31, 2023

Member District	Balance at Beginning of Quarter	Contribution	(Withdrawals)	Interest Earned	Allocated Admin.	Balance at End of Quarter
Alameda County	346,337			7,503	(8)	353,832
Burney Basin	33,750	404		736	(1)	34,889
Butte County	328,393	6,754		7,188	(8)	342,327
Coachella Valley	834,183	52,966		18,647	(20)	905,776
Coalinga-Huron	7,506	109		164	0	7,779
Colusa	87,004	1,377		1,900	(2)	90,279
Compton Creek	65,358			1,416	(2)	66,772
Consolidated	401,769			8,704	(9)	410,464
Contra Costa	1,208,158	1,040	(436)	26,182	(28)	1,234,916
Durham	4,071	400		93	0	4,564
Fresno	209,450			4,538	(5)	213,983
Glenn County	40,392			875	(1)	41,266
Greater Los Angeles County	1,470,836	79,959		32,732	(35)	1,583,492
Lake County	134,308	3,334		2,946	(3)	140,585
Los Angeles County West	705,257	6,327	(9,348)	15,247	(16)	717,467
Marin-Sonoma	785,674	11,173		17,143	(18)	813,972
Monterey County	19,319	2,383		444	0	22,146
Napa County	1,276,368			27,653	(30)	1,303,991
Northwest	254,923			5,523	(6)	260,440
Orange County	414,847	115,928		10,244	(11)	541,008
Oroville *	0			0	0	0
Pine Grove	31,333	237		681	(1)	32,250
Placer	226,526	9,299		5,008	(5)	240,828
Sacramento-Yolo	1,664,402	4,650		36,110	(39)	1,705,123
San Gabriel Valley	125,453			2,718	(3)	128,168
San Joaquin County	427,064	16,423		9,430	(10)	452,907
San Mateo County	469,114			10,163	(11)	479,266
Santa Barbara County	76,453	2,954		1,688	(2)	81,093
Shasta	243,575			5,277	(6)	248,846
Sutter-Yuba	271,031	5,334		5,930	(6)	282,289
Tehama County	262,027			5,677	(6)	267,698
Turlock	32,038	4,769		746	(1)	37,552
West Valley	304,269	679		6,599	(7)	311,540
Total	12,761,187	326,499	(9,784)	279,905	(300)	13,357,507

Notes:

Yield to maturity rate on the VCJPA portfolio is 1.93% 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.

* Oroville MCF balance of \$11,063 as of September 30, 2022 was transferred to Butte County MCF at December 31, 2022.

Vector Control Joint Powers Agency
Member Contingency Fund - Prudent Balance Calculation
As of March 31, 2023

	Member District	Self-Insurance Exposure - Two Times Deductible				Sub-Total 2 X Deductible	2022/2023 Contribution	Two Times Contribution	Prudent Balance	Member Contingency Fund Balance as of March 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	176,982	353,964	426,964	353,832	(73,132)
2	Burney Basin	2,000	10,000	2,000	1,000	15,000	8,422	16,844	31,844	34,889	3,045
3	Butte County	20,000	50,000	2,000	1,000	73,000	147,236	294,472	367,472	342,327	(25,145)
4	Coachella Valley	50,000	50,000	2,000	1,000	103,000	488,977	977,954	1,080,954	905,776	(175,178)
5	Coalinga-Huron	2,000	5,000	2,000	1,000	10,000	3,577	7,154	17,154	7,779	(9,375)
6	Colusa	2,000	10,000	2,000	1,000	15,000	21,261	42,522	57,522	90,279	32,757
7	Compton Creek	5,000	5,000	2,000	1,000	13,000	15,766	31,532	44,532	66,772	22,240
8	Consolidated	20,000	50,000	2,000	1,000	73,000	157,714	315,428	388,428	410,464	22,036
9	Contra Costa	100,000	100,000	2,000	1,000	203,000	342,374	684,748	887,748	1,234,916	347,168
10	Delta	10,000	20,000	2,000	1,000	33,000	171,371	342,742	375,742	0	(375,742)
11	Durham	2,000	5,000	2,000	1,000	10,000	8,622	17,244	27,244	4,564	(22,680)
12	Fresno	10,000	50,000	2,000	1,000	63,000	79,462	158,924	221,924	213,983	(7,941)
13	Glenn County	2,000	10,000	2,000	1,000	15,000	12,366	24,732	39,732	41,266	1,534
14	Greater Los Angeles County	150,000	100,000	2,000	1,000	253,000	800,444	1,600,888	1,853,888	1,583,492	(270,396)
15	Kings	10,000	20,000	2,000	1,000	33,000	102,270	204,540	237,540	0	(237,540)
16	Lake County	5,000	20,000	2,000	1,000	28,000	62,747	125,494	153,494	140,585	(12,909)
17	Los Angeles County West	50,000	50,000	2,000	1,000	103,000	465,146	930,292	1,033,292	717,467	(315,825)
18	Marin-Sonoma	100,000	100,000	2,000	1,000	203,000	370,666	741,332	944,332	813,972	(130,360)
19	Napa County	10,000	50,000	2,000	1,000	63,000	82,505	165,010	228,010	1,303,991	1,075,981
20	Monterey County	5,000	50,000	2,000	1,000	58,000	69,008	138,016	196,016	22,146	(173,870)
21	Northwest	10,000	50,000	2,000	1,000	63,000	168,238	336,476	399,476	260,440	(139,036)
22	Orange County	50,000	100,000	2,000	1,000	153,000	811,554	1,623,108	1,776,108	541,008	(1,235,100)
23	Oroville	0	0	0	0	0	0	0	0	0	0
24	Pine Grove	2,000	5,000	2,000	1,000	10,000	5,229	10,458	20,458	32,250	11,792
25	Placer	2,000	20,000	2,000	1,000	25,000	176,957	353,914	378,914	240,828	(138,086)
26	Sacramento-Yolo	100,000	100,000	2,000	1,000	203,000	467,682	935,364	1,138,364	1,705,123	566,759
27	San Gabriel Valley	20,000	100,000	2,000	1,000	123,000	305,436	610,872	733,872	128,168	(605,704)
28	San Joaquin County	100,000	100,000	2,000	1,000	203,000	255,669	511,338	714,338	452,907	(261,431)
29	San Mateo County	20,000	50,000	2,000	1,000	73,000	240,234	480,468	553,468	479,266	(74,202)
30	Santa Barbara County	5,000	10,000	2,000	1,000	18,000	40,579	81,158	99,158	81,093	(18,065)
31	Shasta	5,000	50,000	2,000	1,000	58,000	134,542	269,084	327,084	248,846	(78,238)
32	Sutter-Yuba	20,000	50,000	2,000	1,000	73,000	117,261	234,522	307,522	282,289	(25,233)
33	Tehama County	2,000	20,000	2,000	1,000	25,000	40,454	80,908	105,908	267,698	161,790
34	Turlock	20,000	50,000	2,000	1,000	73,000	98,012	196,024	269,024	37,552	(231,472)
35	West Valley	20,000	50,000	2,000	1,000	73,000	160,232	320,464	393,464	311,540	(81,924)
	Total	951,000	1,560,000	68,000	34,000	2,613,000	6,608,995	13,217,990	15,830,990	13,357,507	(2,473,483)



Market Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Balance	\$1,955,027.39	\$2,018,934.87
Contribution	0.00	0.00
Disbursement	0.00	0.00
Transfer In	0.00	0.00
Transfer Out	0.00	0.00
Investment Earnings	82,315.69	19,259.04
Administrative Expenses	(244.49)	(735.98)
Investment Expense	(178.73)	(538.07)
Other	0.00	0.00
Ending Balance	\$2,036,919.86	\$2,036,919.86
FY End Contrib per GASB 74 Para 22	0.00	0.00
FY End Disbursement Accrual	0.00	0.00
Grand Total	\$2,036,919.86	\$2,036,919.86

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	15.786034	16.302060
Period Ending Unit Value	16.447282	16.447282

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.

Statement of Transaction Detail for the Quarter Ending 03/31/2023

Sacramento-Yolo Mosquito & Vector Control District

Entity #: SKB8-1375523307



Date	Description	Amount	Unit Value	Units	Check/Wire	Notes
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Client Contact:
CERBT4U@CalPERS.ca.gov

Resolution No. 05-23-2023-A

**A RESOLUTION OF THE BOARD OF TRUSTEES OF THE
SACRAMENTO-YOLO MOSQUITO AND VECTOR CONTROL DISTRICT
HONORING *MARILOU THOMAS*
FOR HER 17 YEARS OF SERVICE**

WHEREAS, on this twenty third day of May, two thousand twenty-three, **MARILOU THOMAS** is honored for her 17 years of service with the Sacramento-Yolo Mosquito and Vector Control District; and

WHEREAS, MARILOU THOMAS started her career with the District in 2006 working as a seasonal Lab Technician before promoting to a full time Lab Technician; and

WHEREAS, MARILOU THOMAS was instrumental in the sentinel chicken program and a pro at bleeding chickens. Her experience and knowledge will be missed here at the District : and

WHEREAS, MARILOU THOMAS has decided to retire after 17 years of service with the District.

NOW, THEREFORE, BE IT RESOLVED that the Board of Trustees of the Sacramento-Yolo Mosquito and Vector Control District expresses congratulations and sincere gratitude to **MARILOU THOMAS** for 17 years of service with the Sacramento-Yolo Mosquito and Vector Control District and wishes her continued success in her future endeavors.

PASSED AND ADOPTED by the Board of Trustees of the Sacramento-Yolo Mosquito and Vector Control District on the 23rd day of May 2023 by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

By: _____
Marcia Mooney, Board President

Resolution No. 05-23-2023-B

**A RESOLUTION OF THE BOARD OF TRUSTEES OF THE
SACRAMENTO-YOLO MOSQUITO AND VECTOR CONTROL DISTRICT
HONORING *DR. BRUCE ELDRIDGE*
FOR HIS 11 YEARS OF SERVICE**

WHEREAS, on this twenty third day of May, two thousand twenty-three, **DR. BRUCE ELDRIDGE** is honored for his 11 years of service with the Sacramento-Yolo Mosquito and Vector Control District; and

WHEREAS, DR. BRUCE ELDRIDGE started his career with the District in 2012 as a Board Member representing Yolo County; and

WHEREAS, DR. BRUCE ELDRIDGE has had a remarkable career that has lasted nearly 70 years. His initial experience was with the Santa Clara County Health Department in San Jose. He then became a preventative medicine officer with the United States Army, Chief of the Department of Entomology at the Walter Reed Army Institute of Research, a consultant to the Surgeon General of the Army, and an entomologist in Panama with the Atlantic-Pacific Canal Study Commission, After Dr. Eldridge retired from a 21-year military career in 1978, he became Professor and Head of the Entomology Department at Oregon State University, before moving to the University of California, Davis where he was Director of the University-wide Mosquito Research Program. Dr. Eldridge frequently served as Chair of the ad hoc Entomology Study Section of Tropical Medicine and Parasitology. He was appointed to the SYMVCD Board in 2012 and has been instrumental in guiding the District in its mission to protect public health.

Dr. Eldridge conducted pioneering research on *Culex pipiens* complex mosquitoes, St. Louis encephalitis virus, the role of mosquito and vertebrate species in virus transmission cycles, the transmission of Keystone virus, flight behavior of *Anopheles stephensi*, and mosquito overwintering behavior. After his move to California, Bruce continued to conduct important research, studying arbovirus ecology in seasonal wetlands and working to improve the State's Encephalitis Virus Surveillance Program. Bruce has published over 150 peer-reviewed articles and book chapters and was co-editor of the medical entomology textbook published by the Entomological Society of America.

WHEREAS, DR. BRUCE ELDRIDGE has decided to resign his appointment after 11 years of service with the District.

NOW, THEREFORE, BE IT RESOLVED that the Board of Trustees of the Sacramento-Yolo Mosquito and Vector Control District expresses congratulations and sincere gratitude to **DR. BRUCE ELDRIDGE** for 11 years of service with the Sacramento-Yolo Mosquito and Vector Control District and wishes him continued success in his future endeavors.

PASSED AND ADOPTED by the Board of Trustees of the Sacramento-Yolo Mosquito and Vector Control District on the 23rd day of May 2023 by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

By: _____
Marcia Mooney, Board President

Sacramento-Yolo Mosquito and Vector Control District

May 23, 2023 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 15-18. Trustee Denny, Barker and I met with Senator Padilla and Feinstein's offices and also House Representatives Bera, Garamendi, Matsui, McClintock, and Thompson. The main messages focused on increased funding for CDC through the SMASH Act and issues surrounding the Endangered Species Act. 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)**

WHO AND WHAT IS THE AMCA?

The American Mosquito Control Association is a non-profit scientific and educational professional association. Although the majority of our members are in the United States, our members and subscribers to our publications work in more than 50 countries. Our mission is to enhance health and quality of life through the suppression of vector-transmitted diseases and the reduction of mosquitoes and other public health pests by providing leadership, information, collaboration, tools, and education. The AMCA membership is composed of students, researchers, professors, regulators, public, and industry personnel, mosquito control district managers, staff, commissioners, and their trustees.

The Nation's mosquito control professionals that make up the AMCA are responsible for protecting humans and wildlife from diseases transmitted by the world's most dangerous animal – the mosquito. According to the Centers for Disease Control and Prevention (CDC), improved mosquito control capability is needed to prevent the increasing emergence and spread of exotic vector-borne diseases such as Zika and West Nile Virus.



AMCA supports the need for pesticide preemption in the 2023 Farm Bill to maintain state and federal level regulation of a pesticide's use in mosquito control applications.

We recognize that the EPA and state agencies must determine whether pesticide use can adversely affect people and the environment and must regulate pesticide use. Recently, there have been actions from localities and municipalities that directly and unjustifiably contradict EPA's scientific findings on pesticide safety. These actions risk creating an unworkable, inconsistent patchwork of state and municipal labels and regulations that can quickly disrupt our ability to prevent VBD outbreaks that occur over large geographies because mosquitoes do not respect local political boundaries.

Pesticide preemption means that only the designated state lead agency or the U.S. EPA can regulate the sale and use of pesticides, preempting localities and municipalities from banning pesticides used within that locality's borders or establishing a different set of regulations for all pesticide applications. If an applicator, whether it be mosquito control technician or farmer, uses a pesticide that was banned in a locality, the applicator may not even know about the ban or may have already purchased a product for the season. The regulatory certainty that comes from a state lead agency being the coregulator with EPA benefits all users of pesticides, no matter the industry.

AMCA supports efforts to enhance the role of USDA's Office of Pest Management Policy in the 2023 Farm Bill to improve data collection,



analysis, and stakeholder input regarding decisions impacting the sale, distribution and use of pesticides.

Authorization to create USDA's OPMP was enacted as part of the Agricultural Research, Extension, and Education Reform Act of 1998. Section 614 of that act provided that the purpose of OPMP is to provide for the effective coordination of agricultural policies and activities within the Department of Agriculture related to pesticides and of the development and use of pest management tools, while taking into account the effects of regulatory actions of other government agencies. Further, the act provided that one of the 4 principal responsibilities of OPMP is to "[assist] other agencies of the Department in fulfilling their responsibilities related to pest management or pesticides under the Food Quality Protection Act of 1996 ([FQPA -] Public Law 104-170; 110 Stat. 1489), the Federal Insecticide, Fungicide, and Rodenticide Act ([FIFRA -] 7 U.S.C. 136 et seq.), the Federal Food, Drug, and Cosmetic Act ([FFDCA -] 21 U.S.C. 301 et seq.), and other applicable laws."

While the law provides a consultative role for OPMP with EPA and other agencies, the language is vague in that these other agencies are not obligated in all circumstances to solicit or act on the input of OPMP. One caveat is that FIFRA section 25(a)(2)(A) requires the EPA Administrator to provide the Secretary of Agriculture with a copy of any draft proposed rule at least 60 days before signing it in proposed form, as well as a copy of the final regulation at least 30 days prior to signing it. This is designed to allow USDA to review and comment on proposed and final rules before these are made public. Similar requirements for Congressional Agriculture Committee notification are in place. Unfortunately, this process only applies to FIFRA actions. It does not apply to actions taken under other statutes (i.e. FFDCA, FQPA, or the endangered Species Act (ESA)). This issue has been highlighted by recent actions of EPA including tolerance revocations for chlorpyrifos, and the development and publication of an ESA workplan. The American Mosquito Control Association supports efforts in the farm bill to secure a stronger coordination role for OPMP in all pesticide policy actions, including Endangered Species Act implementation. It is important to understand OPMP's perspective on these issues.



AMCA supports the Reauthorization and Appropriations detailed in the Strengthening Mosquito Abatement for Safety and Health (SMASH) Act and the Pandemic and All-Hazards Preparedness (PAPHA) Act

In 2020, the CDC outlined a National Public Health Framework for the Control and Prevention of Vector-Borne Diseases. Why? There is a lower quality of life due to the annoyance that is caused by uncontrolled mosquito populations. Mosquitoes increasingly impact domestic animals and wildlife with over 100,000 cases of just canine heartworm diagnosed annually in the U.S. A changing climate and increased human travel is increasing the ranges of mosquitoes and the diseases they transmit. Invasive mosquito species have already spread to the United States that transmit disease-causing pathogens such as West Nile virus, chikungunya virus, dengue virus, and Zika virus. Mosquitoes can have dramatic impacts on local economies. Did you know that agitation from biting mosquitoes significantly lowers weight gain in beef cattle and milk production in

dairy cows? Disease-carrying mosquitoes can also negatively impact recreational activities and tourism which causes health and economic losses throughout the U.S.

The Nation's Vector Control Professionals need your support of the reauthorization of bills that directly affect our ability to protect the public's health, namely the Strengthening Mosquito Abatement for Safety and Health (SMASH) Act, the Pandemic and All-Hazards Preparedness (PAPHA) Act, and the Kay Hagan Tick Act.



AMCA supports the following funding measures for FY24:

Request for Agriculture Appropriations Bill - Agricultural Research Service – Support Administration request for \$376,000,000 for Environmental Stewardship with direction to include \$5 million for pesticide spray drift model development applicable to the unique needs of mosquito control.

If allocated, the funding would be instrumental in the development of pesticide spray drift modeling for mosquito control applications. The Agricultural Research Services' Aerial Application Technology Research Unit has been working with mosquito control officials to identify weaknesses in pesticide spray drift models that focus primarily on agricultural and forestry applications and negatively impact the availability of mosquito control pesticides as a result. Improved spray drift modeling would allow the EPA to update its pesticide review methodology for mosquito control applications.

Request for Labor, HHS, Education Appropriations Bill - \$698,272,000 for Emerging and Zoonotic Infectious Diseases Account (\$50 million for Epidemiology and Lab Capacity, of which \$10 million is requested for data modernization. This represents a total plus-up of \$10 million from the enacted FY23 omnibus.

We urge the CDC to direct funding from within the Epidemiology and Laboratory Capacity (ELC) budget to coordinate with states, mosquito control districts, universities, and other federal partners to enhance capacity for mosquito control activities and to expand nationwide surveillance of vector-borne disease through an internet-based program called VectorSurv. This funding will support state, local, tribal, and territorial agencies allowing for coordinated surveillance and abatement activities as authorized through SMASH Act provisions, included as section 607 of the Pandemic and All-Hazards Preparedness and Advancing Innovation Act of 2019 (P.L. 116-22).



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

The growth of organic farming over the years, along with the recent expansion of both cannabis and hemp production across the United States, has presented a new challenge to Vector Control Districts. With very few products labeled for mosquito control use in these farming practices, there is a greater concern with increasing pesticide resistance in mosquito populations. Furthermore, 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.

AMCA urges the EPA to recognize that Integrated Mosquito Management needs to occur in and around cannabis, hemp, and organic farms. To facilitate this urgent need, we must fund the development of more organic pesticides that are labeled for mosquito control. Simultaneously, research needs to be conducted to develop scientific-based tolerances for cannabis and hemp crops.



AMCA supports the use of Unmanned Aerial Systems (UAS) in vector control programs.

Unmanned Aerial Systems (UAS), better known as drones, for use in the vector control industry provides numerous efficiencies, advantages, and safety over ground or manned aerial applications. UASs for mosquito control require a special provision within future legislation regarding drone use. AMCA is concerned that bills introduced in this legislative session and in States (CA and FL) are too restrictive in limiting the use of UAS for public health and vector control purposes. Vector control already faces many challenges, such as the spread of invasive mosquitoes, and disease outbreaks such as West Nile virus, Eastern Equine Encephalitis, and Zika. UAS technology is helping public agencies develop next- generation tools to meet these challenges and best utilize limited resources to provide continued public health protection to the public.

AMCA is requesting that any legislation concerning this subject matter needs to recognize the legitimate use of UAS by public and private mosquito and vector control entities with a mission to protect public health and safety and not unduly restrict our ability to explore potential future uses of unmanned aircraft for vector control.

AMERICA NEEDS MOSQUITO CONTROL

Issue: Mosquitoes kill hundreds of thousands of people each year around the world, and with global travel, pathogens such as the Zika virus are transported to the United States each year. As our population grows and people inhabit new locations, interactions between humans, animals, and mosquitoes increase the risk of exotic disease transmission.

Background: In 2020, the Centers for Disease Control and Prevention (CDC) outlined a National Public Health Framework for the Control and Prevention of Vector-Borne Diseases (VBDs). As mandated by the Kay Hagan Tick Act, the Department of Health and Human Services (HHS) is working with CDC to lead an interagency effort in developing a National Strategy to address Vector-borne Diseases carried by ticks, mosquitoes, and other blood-feeding vectors. An integral part of the National Strategy will be identifying strategic goals to prevent and control the Nation's VBDs.

Discussion: As outlined in the National Public Health Framework, climate change is increasing the habitat of mosquitoes, ticks, and the disease-causing pathogens they transmit. As a result, invasive mosquito species capable of transmitting West Nile virus, chikungunya, dengue, and Zika virus have taken up residence and established growing populations in the United States. In addition, the number of tick-borne pathogens is increasing at an alarming rate. In addition to Lyme disease, ticks can carry at least 15 other pathogens in the U.S., and invasive species are linked to a new disease in cattle.

Mosquitoes and other vectors of public health importance are attributed to a lower quality of life due to the annoyance and pain caused by the sheer number of biting individuals. With mosquito landing rates of over 100 mosquitoes per minute reported in areas without mosquito control, it's easy to understand that annoyance is an understatement. There are documented cases of livestock being exsanguinated and/or asphyxiated from mosquitoes after hurricanes. Agitation from biting mosquitoes significantly lowers weight gain in beef cattle and milk production in dairy cows.

Protected and Endangered bird and mammal species are highly susceptible to mosquito-transmitted diseases. Two species of forest birds in Hawaii will become extinct due to avian malaria in the next few years if the mosquito vectors are not controlled. The animals in your own home may be affected, with over 100,000 cases of dog heartworm diagnosed annually in the U.S.

Mosquitoes, ticks, and other vectors of public health importance have devastating impacts on local economies throughout the U.S. by negatively impacting recreational activities and tourism. For example, uncontrolled mosquito numbers reduce attendance at outdoor events, sporting events, campgrounds, car races, picnics, reunions, concerts, parades, graduations, wedding ceremonies, and theme parks.

NEEDED ACTION: Support the Reauthorization and Appropriations needed by the Nation's Vector Control Professionals, namely the Strengthening Mosquito Abatement for Safety and Health (SMASH) Act, the Pandemic and All-Hazards Preparedness (PAPHA) Act, and the Kay Hagan Tick Act.



THE FARM BILLS IMPACT ON VECTOR-BORNE DISEASE PREVENTION

ISSUE: Language within the Farm Bill improving the pesticide registration and review process will support the Nation's response to Vector-borne Disease threats.

Background: The 2018 Farm Bill established the Interagency Working Group (IWG) for FIFRA and the Endangered Species Act (ESA). Since then, the American Mosquito Control Association (AMCA) has been working to address data gaps and concerns regarding pesticides used in public health programs. The USDA Office of Pest Management Policy (OPMP) was created in 1998 to coordinate USDA policy on pest management and pesticides. OPMP provides interagency coordination with EPA as well as with state regulators and industry stakeholders.

State agencies, often housed in State Departments of Agriculture, have been the primary leads since the 1970's along with the U.S. EPA to administer FIFRA laws and support the development of scientifically-based pesticide labels that can be clearly read and safely administered by applicators. A handful of states allow county and municipal governments to impose additional pesticide regulations without the benefit of expert review.

Discussion: To carry out their review of pesticides, the EPA must use the best available data and develop appropriate methodology that reliably assesses the potential risk to the species. The USDA OPMP can assist by quantifying the benefits of public health pesticides, including the negative impacts of intense mosquito bites and arboviruses on livestock and other animals. AMCA, along with the pesticide policy coalition, supports efforts in the 2023 farm bill to provide USDA a greater role in all actions affecting the sale, distribution and use of pesticides; including actions taken under the Endangered Species Act.

In recent years we have seen actions from localities that directly and unjustifiably contradict EPA's scientific findings on pesticide safety. These actions risk creating an unworkable, inconsistent patchwork of state or municipal labels and regulations that can quickly disrupt our ability to prevent VBD outbreaks by restricting access to these much-needed tools. Ensuring that pesticides are properly regulated is imperative for our health and safety. Since the 1970s, state lead agencies have worked with the EPA through cooperative agreements to administer and enforce FIFRA laws and support the development of science-based pesticide labels.

Support for state-level pesticide preemption language within the Farm Bill will ensure that those with expertise at State agencies and EPA can determine pesticide usage regulations and continue to provide consistent pesticide registration and oversight.

NEEDED ACTION:

Support language within the Farm Bill that would: reauthorize the Interagency Working Group on FIFRA/ESA; support an enhanced role for USDA's Office of Pest Management Policy in federal pesticide regulation; and provide pesticide preemption language preventing localities from regulating pesticides and maintain oversight by each state's lead agency and the U.S. Environmental Protection Agency.



FUNDING THE SMASH ACT AND A NATIONWIDE DATABASE FOR VECTOR SURVEILLANCE

ISSUE: The emergence and spread of West Nile virus and Zika virus highlighted our nation's insufficient preparation for responding to mosquito-borne diseases. Ongoing responses to these and future diseases requires renewed funding to support research, modernization, and evaluation of the tools we use. The nation's vector management programs must be upgraded to mitigate the impacts of current and future exotic vector-borne diseases.

Background: The Strengthening Mosquito Abatement for Safety and Health (SMASH) Act, included as section 607 of the Pandemic and All-Hazards Preparedness and Advancing Innovation Act of 2019 (P.L. 116-22) reauthorized Centers for Disease Control and Prevention (CDC) resources to be used to address emerging infectious mosquito-borne disease and improve existing control programs for the protection of public health in our nation. The measure expands and extends authorization for \$100 million in annual grants for mosquito prevention, control, and response programs. Funding for projects and programs authorized under the SMASH Act is the American Mosquito Control Association's highest priority.

Discussion: It is necessary to improve mosquito surveillance and control activities by local agencies as authorized by the SMASH Act and appropriated through existing line items such as CDC's divisions of Vector-Borne Diseases and Epidemiology and Laboratory Capacity (ELC) grants. **An additional \$10 Million in FY'24** funding for ELC grants is requested to enhance capacity for mosquito abatement programs and to expand nation-wide surveillance of vector-borne disease through development of a national database (VectorSurv). A national database will support state, local, tribal and territorial agencies allowing for coordinated surveillance and abatement activities as authorized through the SMASH Act.

VectorSurv is a web-based platform for data management and analysis that is currently used by vector control and public health agencies in the U.S. The system 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 has since expanded to include other states, and the system now serves a growing number of U.S. states and US-Affiliated Pacific Islands (AZ, CA, HI, NE, NC, ND, NJ, SD, TN, UT, WA, US-Affiliated Pacific Islands).

AMCA is also requesting an **allocation of \$5,000,000** from within the President's request for the USDA Agricultural Research Service (ARS) Environmental Stewardship program to identify weaknesses in pesticide spray drift models that were developed for agricultural and forestry applications and are used to determine the fate of mosquito control applications. Using these models negatively impacts the availability of mosquito control pesticides. There is a critical need to address these weaknesses through research focused on optimizing aerial spray technologies for on-target deposition and drift mitigation, and to work cooperatively with AMCA and the Environmental Protection Agency to update their pesticide review methodology.

NEEDED ACTIONS:

Support public health efforts by funding the Strengthening Mosquito Abatement for Safety and Health (SMASH) Act, including \$10 Million increase in funding available for the Centers for Disease Control (CDC) Divisions of Vector-Borne Diseases and Epidemiology and Laboratory Capacity to support mosquito surveillance and control activities; and \$5 Million allocated from within USDA funding for spray drift modeling.

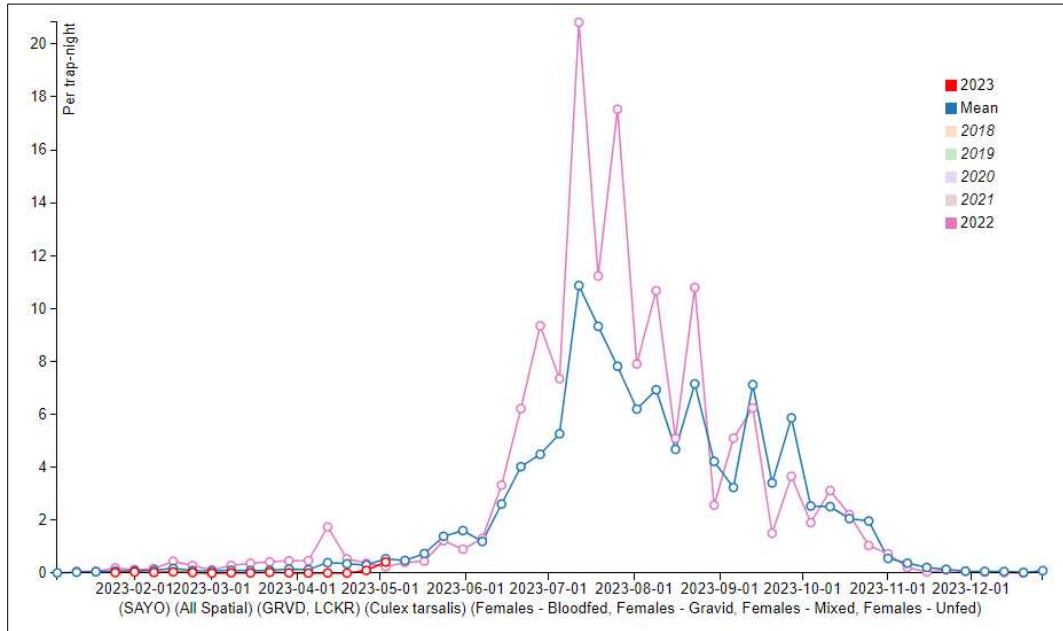
LABORATORY Monthly Report May 2023 Board Meeting

Insectary:

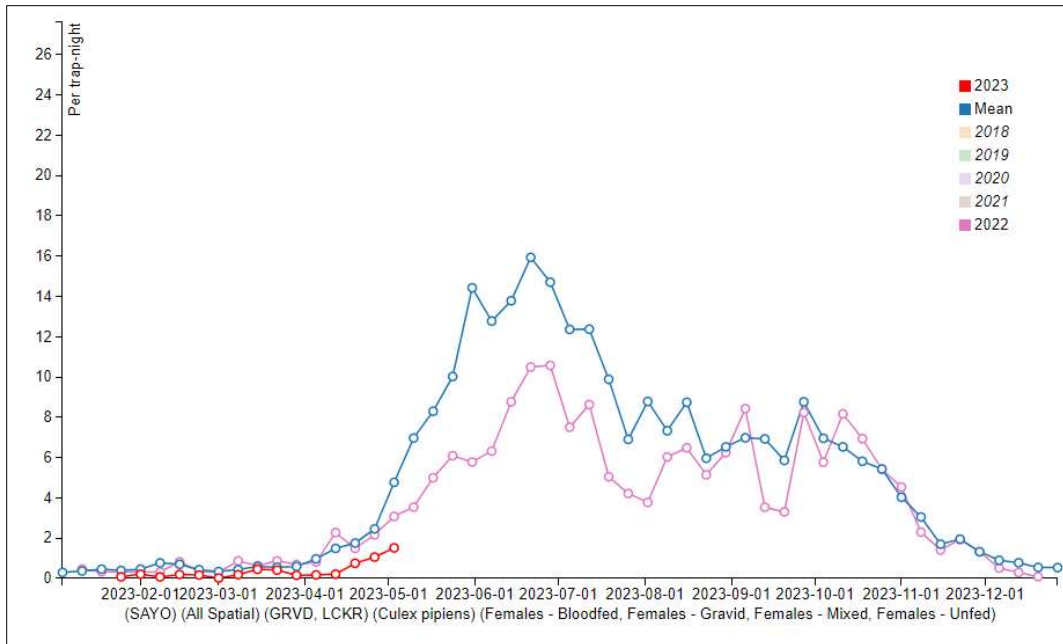
Species	Name	Origin	Resistance Status
<i>Culex tarsalis</i>	KNWR	Kern National Wildlife Refuge (2009)	susceptible
<i>Culex quinquefasciatus</i>	CQ1	Merced, CA (1950s)	susceptible
<i>Culex pipiens</i>	WCP	Woodland, CA (2017)	resistant: pyrethrins/pyrethroids, methoprene, and spinosad
<i>Culex tarsalis</i>	VFCT	Vic Fazio Yolo Wildlife Area (2020)	resistant: pyrethrins/pyrethroids
<i>Culex pipiens</i>		Elk Grove (2022)	status under investigation
<i>Aedes sierrensis</i>		Sonoma County (2016)	susceptible

2023 Surveillance update through 5/8/2023

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. Trap counts remain low.



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 May 15, 2023

West Nile virus (WNV) testing – This program is resuming on May 15, 2023, with the first test results on 5/17/2023.

Dead birds – The California Department of Public Health Dead Bird Call Center reopened on April 10, 2023, thus far we have collected and tested 32 dead birds, all were negative for West Nile virus.

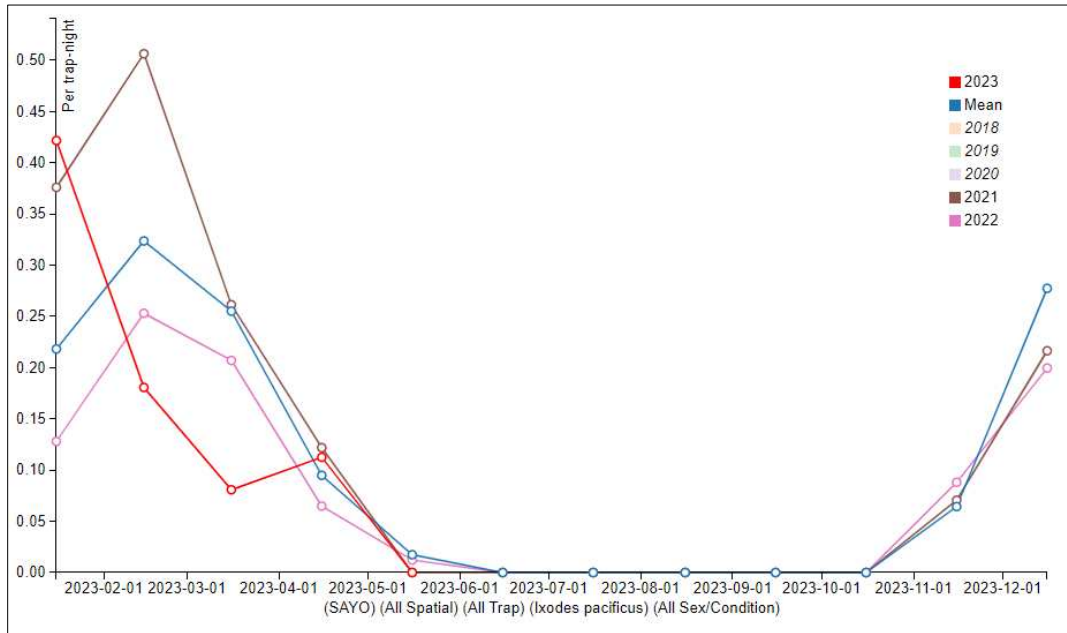
Sentinel chickens – Sentinel chickens were deployed to five sites in Sacramento (Isleton, Sacramento, and Rancho Murietta) and Yolo (Dunnigan and Knight’s Landing) counties. The chickens are scheduled for tested for antibodies against West Nile virus every other week through October.

Rice Surveillance – Rice field mosquito abundance surveillance will resume as soon as the fields are re-flooded following planting. Field technicians are monitoring field conditions following heavy winter rains.

Human disease response surveillance – No human cases were reported since the last update.

Tick surveillance – Tick abundance peaked in January and declined through February and March. The slight increase in *Ixodes pacificus* abundance in April was attributable to supplemental flagging for nymphs. Both larval (n=11) and nymphal (n=10) *Ixodes pacificus* were collected from the Upper Sunrise trail. The larval and nymphal ticks were tested individually for *Borrelia burgdorferi*, all samples were negative. Only two pools were positive for *Borrelia burgdorferi* in April, one pool each from Willow Creek and Snipes Pershing.

Flagging will continue through May and supplemental collection of nymphs will continue into June.



Total number of *Ixodes pacificus* collected across all sampling locations; May tick collection is not complete; Routine tick flagging is not performed June – October.

2022-2023 Season – Detections of *Borrelia burgdorferi*

Ixodes pacificus pools positive for *Borrelia burgdorferi*

Year	Month	Location	Total Collected	Total pools	Positive pools
2022	November	Snipes Pershing	6	2	1
		Willow Creek	10	2	1
		Sacramento Bar	15	3	1
2022	December	East Lake Natoma	65	13	3
		Willow Creek	4	1	1
		Black Miner's Bar	29	6	1
2023	January	Willow Creek	42	9	5
		Willow Creek - Humbug	5	2	1
		Mississippi Bar	19	4	1
		Lower Sunrise	7	2	1
		Upper Sunrise	24	5	1
	February	Willow Creek	46	46	1
	March	Black Miner's Bar	23	5	1
		Humbug Creek	14	3	1
April	Snipes Pershing	41	8	1	
	Willow Creek	8	2	1	

Aedes aegypti trapping effort in Sacramento and Yolo Counties – Yard inspections and trapping for *Aedes aegypti* was initiated in late April. The first detection of *Aedes aegypti* activity was larvae found in a watering can on 04/21/2023 in Rosemont. Thus far, no adult *Aedes aegypti* have been collected.

The California Arbovirus Surveillance Bulletin #4 Week 18 Friday, May 5, 2023

2022 & 2023 YTD West Nile Virus Comparisons		
	2022	2023
Total No. Dead Bird Reports	1,016	1,195
No. Positive Counties	3	3
No. Human Cases	0	0
No. Positive Dead Birds / No. Tested	0 / 128	2 / 110
No. Positive Mosquito Pools / No. Tested	3 / 2,915	2 / 2,530
No. Seroconversions / No. Tested	0 / 65	0 / 0

YTD WNV Activity by Element and County, 2023					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda				1	
Los Angeles				1	
Santa Clara			2		
Totals			2	2	

ECOLOGICAL MANAGEMENT DEPARTMENT

Monthly Report for the May 2023 Board Meeting

Ecological Management Projects

Ecological Management technicians continue to conduct BMP and vegetation management projects that have been turned in by Control Operations technicians. This season, control technicians have submitted a total of 36 BMP and vegetation management projects that will allow access and/or will reduce or eliminate pesticide treatments in known mosquito breeding sites. To date, Ecological Management staff have completed a total of 19 of these projects.



**BMP Project: Pasture drainage ditch being excavated in south Elk Grove*



***Vegetation Management Project: Atwood Ranch*

Wetland Program

State and Federal Wetland Preserves- Staff attended the annual drawdown and irrigation meetings for Cosumnes River Preserve, Stone Lakes National Wildlife Refuge in Sacramento County. Staff are working closely with preserve and refuge managers to address certain BMP's that will reduce the amount of breeding and harborage areas on preserve/refuge properties.

Two potential projects on Stone Lakes National Wildlife Refuge are being investigated that may reduce mosquito populations in what is known as the Lodi Loop near North Stone Lake. CRP

managers have approached the District about assisting them with vegetation management projects as they are about 3 weeks behind due to late winter storms.

Stormwater Program

Aerojet Property: Ecological Management staff in coordination with north Sacramento Field technicians performed inspections and treatments on Aerojet property. Aerojet management escorted field staff to various areas on the property that were holding vast amounts of water in settling and tailing ponds due to the record setting rainfall in the Sacramento Valley. Staff were able to treat and plant mosquitofish for long term control.



provided by Guy Kachadorian: Ponds and flooding on Aerojet/Rocketdyne Property

Images

Planning Program

Staff reviewed a total of 4 planning documents that were submitted to the District. The majority of the projects reviewed were in the Rancho Cordova area. Although the potential impacts were minimal, staff commented on potential stormwater related issues that may have future impacts to mosquito control operations if maintenance of these systems are not addressed.

BIOLOGICAL CONTROL
Monthly Report for May 2023 Board Meeting

In the month of April, the process of fish distribution to our open grow-out ponds continued. This season, we have transferred a total of 401 lbs, Typically, we would see fry in April, which was not the case this year, indicating that the mosquitofish season is about a month behind. The pool program and mosquito inspection activities are in full swing, the fisheries department prioritized having fish on hand to make them available for technicians. In April, we distributed a total of 72.87 pounds of mosquitofish for application, which is on par with last season. In addition to these efforts, the district interviewed candidates for a seasonal position and hired a technician who will join the department in May. Daily activities such as water quality testing, medical treatments as necessary, and tank cleaning were continued to maintain high-quality fish. Mowing, herbicide treatments, crawfish trapping, and general maintenance were also performed.

Log of Treatment Applied for April

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish (<i>Gambusia affinis</i>)	72.87 lbs	278.3 Acres	628
Guppies (<i>Poecilia reticulata</i>)	.125 lbs	.016 Acres	2

Log of Treatment Applied for the year 2023

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish	101.34 lbs	340.346 Acres	894
Guppies	.125 lbs	.016 Acres	2

Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
36,000.00	15,544.14	20,455.86	43%



CONTROL OPERATIONS

Monthly Report for May 2023 Board Meeting

Culex and West Nile Virus (WNV) Control

As the weather has turned more favorable to allow for zone inspections, the crews have started surveying spring sources and making treatments as appropriate. Weekly traps are still being utilized to monitor adult mosquito numbers in areas throughout the District. Monthly service requests are continuing to follow annual trends with incremental increases as the weather warms up.

The Catch basin crew has begun their annual treatments on basins following an alternating annual schedule between Yolo and Sacramento Counties.

Yellow Jacket Control

Both North and South Sacramento crews started setting sugar baited traps at the end of April due to the late rains in hopes of catching emerging queens. Traps will be collected towards the end of May and counted.

Aerial Applications

The District's first aerial larvicide application of 2023 was performed at the end of April over a large riparian area within the Cache Creek Settling Basin in Yolo County. The area will continue to be monitored and ground treated as the flood waters recede.

Invasive Aedes Control

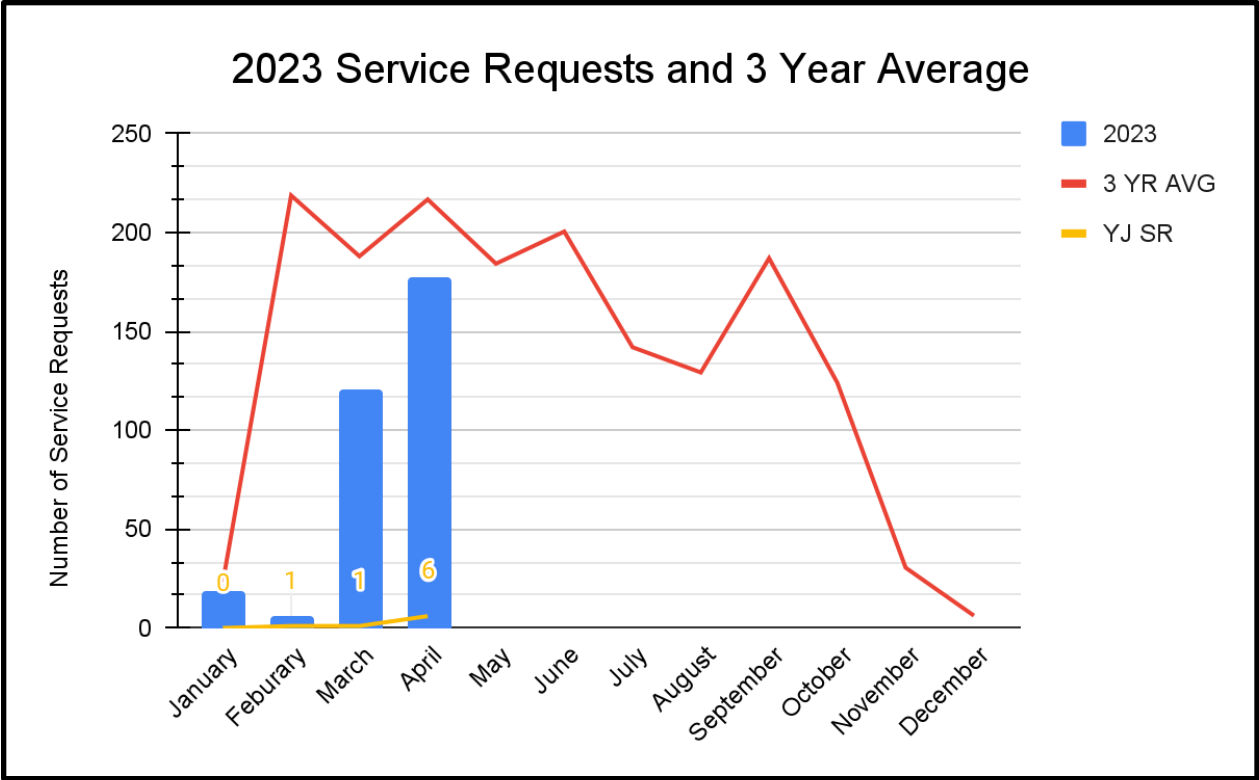
The Aedes crew has started door to door site inspections in previously known detected areas and making treatments as necessary.

Pool Program

The District's green pool program continued sending mailers through the month of April. Residents continue to respond to the mailers thus reducing the number of individual residential pool inspections.

UAS Program

Staff conducted an imagery flight to help the Ecological Department with designing a new Best Management Practices (BMP) ditch project in rural Elk Grove.



Larvicide Applications thru April 30th				
<u>Locations/Roles</u>	<u>2023</u>		<u>2022</u>	
	<u>Treatments</u>	<u>Acres</u>	<u>Treatments</u>	<u>Acres</u>
Sacramento County	466	245	1368	610
Sac County Aerial	0	0	1	727
Sac County Drone Treatments	0	0	0	0
Yolo County	66	117	162	155
Yolo County Aerial	1	142	0	0
Yolo County Drone Treatments	0	0	0	0
CB Treated - Corrected	7301	--	30630	--
CB Inspected -not treated	24,285	--	13542	--

Aerial Adulthood Summary thru April 30th				
<u>County</u>	<u>2023</u>		<u>2022</u>	
	<u># Applications</u>	<u>Acres</u>	<u># Applications</u>	<u>Acres</u>
Sacramento Ag	0	0	0	0
Sacramento Urban	0	0	0	0
Yolo Ag	0	0	0	0
Yolo Urban	0	0	0	0

Totals

Adulthood Summary through April 30, 2023 **Compared to: 2022**

Acres used = 0 0 0

At this time there have been no aerial adulthood flights performed in 2023

PUBLIC INFORMATION AND EDUCATION
Monthly Report for May Board Meeting

Advertising

The 2023 advertising campaign kicked off during Mosquito Awareness Week (MAW) and it included commercials on English and Spanish radio stations to announce the beginning of the mosquito season and to encourage residents to prevent mosquitoes and request our District services.

Moving forward beyond MAW, the 2023 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 all traditional media outlets of our advertising campaign, we are continuing with our partnership with local television station CW 31 and the Sacramento Rivercats, the local baseball team. Since CW 31 is the official station that airs all Rivercats home games throughout the season, as part of our buy they are adding live mentions during games. Mentions will include different messages such as “The Sacramento Yolo Mosquito and Vector Control District reminds you it’s time to Fight the Bite and protect yourself from mosquitoes using an effective repellent when spending time outdoors” We also sponsor a segment called “the swat of the game” which includes a live mention of a prevention message, District logo and website.

Media Coverage:

We continue to get media inquiries regarding the wet winter and what this will mean for the mosquito season ahead. In addition, there is also an interest in stories about the increase in tick nymphs carrying Lyme Disease.

Events:

May is one of our busiest months for events and we will attend a total of five events including five days at the Sacramento County Fair. A highly anticipated event is a Walk on the Wildside. This unique event is held at Beach Lake Park on the Stone Lakes Preserve and will include wetland tours, a variety of conservation exhibits and many children’s activities.

May events:

May 12: Celebrate Davis

May 12: iFest in Rancho Cordova

May 20: A Walk on the Wildside

May 27: International Kids Day

May 26-29: Sacramento County Fair

Presentations:

Two community presentations were given this month for the Gardenland/Northgate and Meadowview neighborhood associations where we were able to discuss invasive mosquitoes detected in their areas in 2022. The presentations were well received, and it was a great opportunity to speak to residents directly and ask for support as our field staff continues to monitor the area and conduct door to door inspections looking for backyard sources.

Repellent Distribution

We continue to receive requests for repellent wipes from various community organizations. In recent weeks we have donated wipes to the cities of Rancho Cordova and West Sacramento for upcoming activities including movies and concerts in the park. Repellent was also donated to a Sacramento girls scout troop for an upcoming campout and other outdoor activities.

Social Media

Our social media efforts continue and to date we have 13,000 followers on Facebook. Content is focused on reporting dead birds, promotion of District services and tick prevention for Lyme Awareness Month.

MVCAC Public Relations Committee

As part of the PR Committee standing charges, we have continued to work on a photography project collecting photos to create an image library to be used for materials produced by all districts. We are also working on a press release and social media content for National Mosquito Awareness Week in June.

Sacramento-Yolo Mosquito and Vector Control District

May 23, 2023 Board Meeting

4. Board Review and Consideration of Prepayment to Farm Air for Aerial Larviciding Services

Staff Report:

The District continues to use Farm Air Flying Services for its aerial larviciding needs. Farm Air has a strong history of being responsive to the District's needs and is a key factor to successfully suppressing both mosquito abundance and West Nile virus transmission in agricultural areas. In a typical year the District flies approximately 300 hours with Farm Air, totaling approximately \$435,000 each season (\$1,450 per hour).

In the 2022 calendar year, the District pre-paid for 138 hours of service at a cost of \$200,000, and in exchange the District received a 3% discount on all flights done by Farm Air. This saved the District over \$12,000 last year on the annual expenditure of over \$400,000. Farm Air is willing to offer the same fee structure for the 2023 calendar year and the District staff sees this as a good option to help reduce the final cost for work that will be required during the season.

Recommendation:

Approve a \$200,000 payment to Farm Air

Sacramento-Yolo Mosquito and Vector Control District

May 23, 2023 Board Meeting

5. Board Review and Discussion of District Plan for 2023 Rice Larvicide Applications and Aerial Adulticiding Program

Staff Report:

RICE LARVICIDE PROGRAM

The District is anticipating an increase in rice acreage for 2023 compared to last year (~17,225) based on 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.

We will continue using *Bacillus thuringiensis var. israelensis (Bti)* products as the primary active ingredient in the larvicide program. We have liquid and granular options for both conventional rice as well as organic rice. We applied approximately 689 gallons of liquid larvicides and over 495,000 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 stock 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)	\$30.46/gal	\$1.90-\$3.81	No
Vectobac WDG (3-5 oz/ac)	\$38.46/lb	\$7.21-12.02	Yes
Vectobac GR (5lb/ac)	\$1.88/lb	\$9.40	Yes
Vectobac GS (5lb/ac)	\$1.54/lb	\$7.70	No
Altosid Liquid (1 oz/ac)	\$1017.70/gal	\$7.95	No
Duplex (liquid Bti + Altosid)		\$13.66	No

The District began using scheduled weekly larvicide treatments on rice fields from July into September of 2022. This process frees up multiple technicians from weekly rice dipping and allows them to stay in their assigned zones treating other sources. The scheduled treatment program will be implemented in buffer zones around dense population areas close to rice habitat for the 2023 season. Rice 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.

AERIAL ADULTICIDE PROGRAM

The District continues its contract with 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 519,250 acres due to mosquitoes produced in the rice field habitat.

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 an issue 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 \$5.43 per acre at 2.0 fl oz per acre vs the typical cost of \$1.14 per acre at 0.80 fl oz per acre for conventional pyrethrin products.

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

Conaway (Organic Rice)- 9,600 – 2 applications
Natomas -167,464 acres -24 applications
Davis Area -179,164 acres -33 applications
Merritt -60,440 acres -9 applications
District 108 -78,871 acres -13 applications

Recommendation **Report to Board**

2022 Rice Acres: 17,225

-  District Boundary
-  2022 District Rice
-  Merritt Aerial Treatment

Yolo County

Dunnigan

District 108

Knights Landing

Esparto

Madison

Woodland

Natomas

Elverta

Rio Linda

Winters Rice
(none)

Conaway

Sacramento

Sacramento
County

Winters

Davis

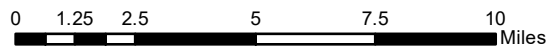
Yolo Bypass

Sacramento

Clarksburg

Elk Grove

Hood



Sacramento-Yolo Mosquito and Vector Control District

May 23, 2023 Board Meeting

6. Board Review and Discussion of District Projects and Collaborations for the 2023 Season

Evaluation of WALs Backpack Sprays: Wide-area larvicide spraying (WALS), using target-specific biorational larvicides such as *Bti*, was designed to target mosquitoes that lay eggs in small cryptic containers in urban landscapes, and has become an important tool for managing *Aedes aegypti* in Sacramento and Yolo Counties. The District is interested in further evaluating this method in order to quantify the reduction of *Aedes aegypti* larvae populations following WALS applications. Particularly, for this project we aim to test effectiveness of different nozzle types used in Vectobac WDG backpack applications. The main objective is to determine whether changing from the currently used .08 to 0.13 nozzle type will have an impact in control and product coverage when treating cryptic larval sources.

2023 *Aedes aegypti* abundance trapping: There are several areas in the Sacramento and Yolo counties with continuous *Aedes aegypti* infestation. For this project the District is interested in continuing to monitor the invasive mosquito in areas like Winters, Natomas, Rosemont, Carmichael and Elder Creek in both Counties and comparing it to the previous seasons.

Mosquitofish in rice: The Sacramento-Yolo Mosquito and Vector Control District (District) is dedicated to implementing an integrated, multifaceted approach to controlling mosquitoes. One such method is through the use of biocontrol agents for the control of immature mosquitoes. The District produces on average 3,600 lbs. *Gambusia affinis* (mosquitofish) annually, and 75% of these mosquitofish are used to help control immature mosquitoes in rice field habitats. The District is interested in quantifying the efficacy of mosquitofish in reducing larval densities in rice fields as well as assessing the impact of mosquitofish planting in reducing the necessity for larvicide treatments.

***Culex tarsalis* insecticide resistance:** Conduct wide scale adulticide resistance testing of *Culex tarsalis* throughout Sacramento and Yolo County rice habitat and wetland habitats for the 2023 season and compare it to previous years. Work will focus on how current resistance levels compare to previous seasons and how they impact our ability to control this important vector species.

Senecio mosquito counting and pooling robot: The District has been working with the Senecio automated pooling and identification machine for the past 12 months. For the 2023 season, we aimed to test the system with real life trap data using both the rice counter traps as well as the

laboratory weekly runs. This will help the laboratory to build confidence in the systems capabilities.

Duplex G: This new larvicide formulation aims to deliver dual-active control through a combination of biorational control agent (S)-methoprene and biological control agent *Bacillus thuringiensis* subspecies *israelensis* (Bti) in a granular formulation. We aim to test this product in the catch basin systems to assess efficacy and cost for routine application.

Clarke Mosquito Control Collaboration: The District will be working in collaboration with Clark Mosquito Control this season on the testing and evaluation of new products. This collaboration will include field trials and laboratory assessments to measure the effectiveness of Clarke mosquito control products.

Collaboration with Pan-African Mosquito Control Association (PAMCA): The District is working with PAMCA to organize another visit of mosquito control experts and public health officials from various African counties. The collaboration between the SYMVCD and PAMCA demonstrates the importance of international partnerships and collaboration in mosquito control efforts. By sharing knowledge and expertise, we can work together to combat the spread of mosquito-borne diseases and improve public health outcomes both locally and globally.

Recommendation:
Report to Board

Sacramento-Yolo Mosquito and Vector Control District

May 23, 2023 Board Meeting

7. Board Review and Discussion of Draft District Budget for 2023-2024

Staff Report:

Please find enclosed the first draft of the 2023-2024 District Budget.

A few highlights of the draft budget:

- 1) Revenue projections are estimated to be 4.13% higher in Sacramento County and 7.23% higher in Yolo County.
- 2) The District's CalPERS UAL is currently about \$7.4M which is \$5M less than last year. The additional payment that the District made in 2022 coupled with the good returns that the fund received helped lower the overall UAL. 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 2022 will probably show an increase to the amount in the next valuation. The District is proposing making an additional discretionary payment to CalPERS in the amount of \$1.5M in addition to the budgeted payment. The UAL for the PEPR plan is \$0 and are currently 107% funded for the current year.
- 3) The District is planning to investigate a number of capital expenditure projects this fiscal year including parking lot sealing, remodeling the front office, expanding our parking garage options, and netting more of the ponds to yield higher fish production. We will also be buying more equipment needed to conduct daily activities across various departments. Included in the capital expenditure line item is the plan to save funds for future projects including upgrading the fleet and potential building expansion/enhancements.
- 4) 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 2023 is ~5.1%. The current MOU has a cap of 5% for a salary adjustment and the increase in salaries is included in the draft budget for all employees except for those under contract.

Recommendation:

For Board review and discussion. Staff anticipates bringing the 2023-2024 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 2023-2024 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. Prior to the beginning of the fiscal year, and during the budget process, the Counties can provide only estimates of growth based on new building starts and general economic conditions. 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 4.55%.

Sacramento County

Year	Roll Values	Amount of Change	Percentage Change
2022-2023	\$207,950,908,628	\$8,246,566,302	4.13%
2021-2022	\$199,704,342,326	\$9,856,543,030	5.19%
2020-2021	\$189,847,799,296	\$10,682,188,084	5.96%
2019-2020	\$179,165,611,212	\$10,984,431,509	6.53%
2018-2019	\$168,181,179,703	\$10,633,074,991	6.75%
2017-2018	\$157,548,104,712	\$ 9,495,699,299	6.41%
2016-2017	\$148,052,405,413	\$ 7,361,121,567	5.23%
2015-2016	\$140,691,283,846	\$ 6,193,465,438	4.60%
2014-2015	\$134,497,818,408	\$ 8,186,226,622	6.48%
2013-2014	\$126,311,591,786	\$ 4,816,559,925	3.96%
2012-2013	\$121,495,031,861	-\$3,316,714,715	-2.66%
2011-2012	\$124,811,746,576	-\$3,957,804,112	-3.07%
2010-2011	\$128,769,550,688	-\$2,857,967,297	-2.17%
2009-2010	\$131,627,517,985	-\$9,002,844,284	-6.40%
2008-2009	\$140,630,362,269	\$ 2,923,341,534	2.12%

Yolo County

Year	Roll Values	Amount of Change	Percentage Change
2022-2023	\$33,810,030,902	\$2,280,330,139	7.23%
2021-2022	\$31,529,700,763	\$1,342,060,266	4.45%
2020-2021	\$30,187,640,497	\$1,477,721,361	5.15%
2019-2020	\$28,709,919,136	\$1,496,031,577	5.50%
2018-2019	\$27,213,887,559	\$1,458,729,298	5.66%
2017-2018	\$25,755,158,261	\$1,291,138,670	5.28%
2016-2017	\$24,464,019,591	1,224,570,521	5.27%
2015-2016	\$23,239,449,070	\$1,420,848,471	6.51%
2014-2015	\$21,818,600,599	\$1,343,122,551	6.56%
2013-2014	\$20,475,478,048	\$817,237,298	4.16%
2012-2013	\$19,658,240,750	-\$57,208,464	-0.29%
2011-2012	\$19,715,449,214	-\$158,163,578	-0.80%
2010-2011	\$19,873,612,792	-\$386,889,416	-1.91%
2009-2010	\$20,260,502,208	-\$66,376,927	-0.33%
2008-2009	\$20,326,879,135	\$656,503,045	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 showing growth and higher sales numbers. We conservatively anticipate fiscal year 2023-2024 revenues, including supplemental tax and non-tax revenues, to be approximately **\$19,276,747** as outlined below:

Sacramento County Property Tax Revenues	\$ 15,958,455
Minus property tax administration fees	\$ 155,000
Subtotal	\$ 15,803,455

Yolo County Property Tax Revenues	\$ 2,623,292
Minus property tax administration fees	\$ 25,000
Subtotal	\$ 2,598,292

Anticipated Total Property Tax Revenue	\$ 18,401,747
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Anticipated Interest Earnings	\$ 175,000
Other Tax Revenues	\$ 525,000
Other Revenue (rent, mosquito control payments, etc.)	\$ 175,000
Anticipated Total Revenues for FY 2022-2023:	\$ 19,276,747

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 2023-2024 fiscal year with just over \$15,500,000.

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. *If approved, a total of \$1,665,500 would be allocated to the Capital Expenditure accounts as follows:*

<u>23-24 Proposed Capital Expenditures</u>	
Ecological Management	
Quad Mower	\$ 6,000
4/1 Bucket	\$ 5,000
7011-Eco Management Total	\$ 11,000
Control Ops	
Pioneer II Electric ULV (6)	\$ 16,000
Pioneer II Battery (6)	\$ 6,000
Electric Scooter	\$ 6,000
Cobra Quad Mist Blower	\$ 3,000
Utility Terrain Vehicle and Trailer	\$45,000
7011-Control Ops Total	\$ 76,000
Shop	
3D Printer	\$ 2,000
Tire/Wheel Lift	\$ 2,500
Coolant Flush Machine	\$ 4,000
Fuel System Machine	\$ 5,000
Transmission Flush Machine	\$ 6,000
Parts Washer	\$ 7,000
Vehicle Lift	\$ 10,000
Iron Worker	\$ 20,000
Smoke Tester	\$ 2,000
Tool Storage	\$ 2,000
Plasma Table	\$ 3,000
Plasma Cutter	\$ 2,000
Strut/Spring Tool	\$ 2,000
7011-Shop Total	\$ 67,500
Lab	
Spexmill	\$10,500
Fiber Light Microscope Light (5)	\$ 6,500
Stereo Microscope	\$ 2,000
Water Distiller	\$ 2,000
7011-Lab Total	\$ 21,000

Fisheries	
Aerators (2)	\$ 15,000
7011-Fisheries Total	\$ 15,000
Information Technology	
Laptops	\$ 6,000
Server/Network	\$ 5,000
Truck Mounts (ipads/laptops)	\$ 4,000
7011- Information Technology	\$ 15,000
7011-Capital Outlay Total	\$ 205,500
Equip/Vehicle Replacement	\$ 600,000
7016-Equip/Vehicle Replacement Total	\$ 600,000
Building Improvement	
Lot Improvements	\$35,000
Expansion	\$ 500,000
Fishpond Fencing	\$ 100,000
Parking Garage	\$ 150,000
7035-Building Improvement Total	\$ 785,000
Research	
AMCARF	\$ 75,000
7030 -Research Total	\$ 75,000
Grand Total All Capital Outlay Accounts	\$ 1,665,500

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 6/30/23 is anticipated to be \$1,705,123 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
23-24 Premium to be Invoiced		\$ 535,173	\$ 1,070,346
		Suggested Prudent Balance	\$ 1,273,346
		Estimated Balance as of 6/30/2022	\$ 1,705,123
		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 \$2,910,000 as illustrated in the chart below.

District Estimated Reserves & Fund Balance at 6/30/23	
Cash in Count Treasury	\$ 15,500,000
Disease Response	\$ 3,000,000
Capital Outlay	\$ 700,000
Building Improvement Fund	\$ 770,000
Vehicle Fund	\$ 1,120,000
Dry Financing	\$ 7,000,000
Unassigned Reserves	\$ 2,910,000

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 \$9,835,510 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 2023 is ~5.1%.

The following categories are breakdowns of the Personnel Expenditures:

Retirement Fund-5110 & 5115

The Tier 1 (2.5% at 55 with 36 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 23/24 is 14.56%, which went up by 1.82% from 12.74% in FY 22/23. The unfunded liability for Tier 1 is budgeted for \$978,207. This amount is lower than previous years due to the District’s aggressive approach with additional discretionary payments and the state of the market that the fund experienced in 2021. The UAL is currently at a funding status of 86.2% up 10.5% from last fiscal year.

The Tier 2 (2% at 62 with 36 employees in this tier) employer contribution rate is comprised of the Normal Cost (FY 23/24 is 7.37%) and the UAL. The Tier 2 UAL is much lower as the District has been paying it in its entirety each year. The unfunded liability for Tier 2 is budgeted for \$0 as the District is 107% funded.

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.

PERS Retirement Normal Costs

2022-2023 Budget	Proposed 2023-2024 Budget
\$890,304	\$966,450

PERS Retirement Unfunded Accrued Liability (UAL)

2022-2023 Budget	Proposed 2023-2024 Budget
\$2,727,800	\$2,478,207

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$772,800	\$938,699

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$185,000	\$109,499

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$30,000	\$30,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$228,421	\$238,785

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$243,424	\$296,928

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$18,000	\$25,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$99,000	\$110,000

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, *Aedes albopictus* and *Aedes aegypti*, and other mosquito issues.

2022-2023 Budget	Proposed 2023-2024 Budget
\$550,500	\$611,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$69,000	\$71,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$148,000	\$160,000

Office Expenses-5390

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

2022-2023 Budget	Proposed 2023-2024 Budget
\$22,500	\$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. The 2021-2022 budget includes planned MapVision upgrades.

2022-2023 Budget	Proposed 2023-2024 Budget
\$306,000	\$341,000

Materials and Supplies-5440

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

2022-2023 Budget	Proposed 2023-2024 Budget
\$13,750	\$14,500

Rents and Leases-5450

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

2022-2023 Budget	Proposed 2023-2024 Budget
\$11,550	\$12,000

Safety Program-5470

This category funds the District Safety Program.

2022-2023 Budget	Proposed 2023-2024 Budget
\$5,000	\$5,000

Utilities-5480

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

2022-2023 Budget	Proposed 2023-2024 Budget
\$120,000	\$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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$1,074,000	\$1,129,000

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. This department has 3 employees (One Supervisor and 2 technicians) in addition to 1 backhoe and other heavy equipment. We propose to continue to assist in the implementation of BMP’s with this category.

2022-2023 Budget	Proposed 2023-2024 Budget
\$14,700	\$22,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$1,200,000	\$1,300,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$1,133,000	\$1,400,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$700,000	\$750,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$36,000	\$41,000

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.

2022-2023 Budget	Proposed 2023-2024 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. The evolution of the IT department has created the need for efficient and updated data management. The department is also evaluating systems integration that will provide greater accessibility to the public to be able to interface with District services.

2022-2023 Budget	Proposed 2023-2024 Budget
\$80,000	\$120,000

Control Operations-6350

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

2022-2023 Budget	Proposed 2023-2024 Budget
\$66,000	\$70,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$121,000	\$145,000

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$216,300	\$230,000

Gas and Petroleum Products-6450

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

2022-2023 Budget	Proposed 2023-2024 Budget
\$245,000	\$250,000

Capital Outlay/CIP-7011 & 1510

The fund balance created pursuant to GASB 54 reflects an amount of \$700,000 for this category. An itemized list of all of the planned Capital Outlay and Construction in Progress expenditures is on page 4 of this report.

2022-2023 Budget	Proposed 2023-2024 Budget
\$233,000	\$205,500

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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$560,000	\$600,000

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.

2022-2023 Budget	Proposed 2023-2024 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.

2022-2023 Budget	Proposed 2023-2024 Budget
\$0	\$0

Research Fund-7030

2022-2023 Budget	Proposed 2023-2024 Budget
\$50,000	\$75,000

Building Improvement Fund-7035

This account was created to enhance our existing buildings or address critical maintenance issues. The Fund balance created pursuant to GASB 54 will be reflected in the Capital Outlay category.

2022-2023 Budget	Proposed 2023-2024 Budget
\$385,000	\$785,000

2023-2024 Budget Summary

Personnel Expenditures-Salaries and Benefits: \$ 9,835,510

Operational Expenditures: \$ 7,277,428

Capital Expenditures: \$ 3,165,500

Total Expenditures: \$ 20,278,438

Total Anticipated Revenues: \$ 19,276,747

Projected Revenues over Expenses: \$ (1,001,691)

Account #	Account Description	FY 23/24 Budget	FY 22/23 Budget
4000	REVENUE	\$ 19,276,747.00	\$ 18,412,667.00
5000	SALARIES/BENEFITS/WC	\$ 9,835,510.98	\$ 9,927,938.00
5010	Administrative Department	\$ 1,061,398.85	\$ 912,525.00
5015	Ecological Management Department	\$ 297,553.40	\$ 267,817.00
5020	Shop	\$ 281,332.80	\$ 267,058.00
5025	Control Ops Supervisors	\$ 589,029.00	\$ 549,564.00
5030	Technicians	\$ 2,692,169.00	\$ 2,525,498.00
5031	Seasonal Helpers	\$ 420,000.00	\$ 400,000.00
5040	Biological Control: Lab Dept	\$ 1,006,991.00	\$ 914,870.00
5041	Biological Control: Fisheries Dept	\$ 208,596.15	\$ 239,481.00
5045	Trustee Monthly Meeting	\$ 16,800.00	\$ 16,800.00
5110	P.E.R.S. Retirement Normal Costs	\$ 966,450.00	\$ 890,304.00
5115	P.E.R.S. Retirement UAL	\$ 978,207.00	\$ 1,727,800.00
5130	Group Insurance	\$ 938,699.00	\$ 772,800.00
5131	Retiree Insurance Costs	\$ 109,499.78	\$ 185,000.00
5140	Unemployment Insurance	\$ 30,000.00	\$ 30,000.00
5150	WORKERS COMPENSATION	\$ 238,785.00	\$ 228,421.00
5200	OPERATIONAL	\$ 7,277,428.00	\$ 6,501,724.00
5210	LIABILITY INSURANCE	\$ 296,928.00	\$ 243,424.00
5250	AUDITING/FISCAL	\$ 25,000.00	\$ 18,000.00
5270	COMMUNICATIONS	\$ 110,000.00	\$ 99,000.00
5271	Telephone	\$ 42,000.00	\$ 39,000.00
5272	Internet	\$ -	\$ -
6251	Mobile Devices	\$ 68,000.00	\$ 60,000.00
6252	Weather Stations	\$ -	\$ -
5310	PUBLIC INFORMATION	\$ 611,000.00	\$ 550,500.00
5311	School Program	\$ 101,000.00	\$ 55,000.00
5312	Publications	\$ 27,500.00	\$ 27,500.00
5313	Marketing	\$ 20,000.00	\$ 20,000.00
5314	Postage	\$ -	\$ -
5315	Advertising	\$ 358,000.00	\$ 350,000.00
5316	Events/Fees	\$ 102,000.00	\$ 95,500.00
5319	Misc Admin	\$ 2,500.00	\$ 2,500.00
5340	STRUCTURE & GROUNDS	\$ 71,000.00	\$ 69,000.00
5341	Landscaping & Grounds	\$ 11,000.00	\$ 11,000.00
5342	Building Services & Repairs	\$ 20,000.00	\$ 20,000.00
5343	Janitorial	\$ 40,000.00	\$ 38,000.00
5370	MEMBER/TRAINING	\$ 160,000.00	\$ 148,000.00
5371	Travel	\$ 55,000.00	\$ 55,000.00
5372	Conference/Training/Mtg	\$ 45,000.00	\$ 40,000.00
5373	CDPH-Certification Expenses	\$ 15,000.00	\$ 13,000.00
5374	Subscrip/Memshp/Dues	\$ 45,000.00	\$ 40,000.00
5390	DISTRICT OFFICE EXPENSES	\$ 25,000.00	\$ 22,500.00
5430	PROFESSIONAL SERVICES	\$ 341,000.00	\$ 306,000.00
5376	Permits/Fees	\$ 9,000.00	\$ 9,000.00
5431	Legal	\$ 110,000.00	\$ 80,000.00
5432	Medical	\$ 3,000.00	\$ 3,000.00
5433	Consulting	\$ 120,000.00	\$ 70,000.00
5434	Security	\$ 7,000.00	\$ 7,000.00

5435	Outsource Services	\$ 25,000.00	\$ 70,000.00
5436	Maintenance & Repairs	\$ 12,000.00	\$ 7,000.00
5437	Uniforms	\$ 35,000.00	\$ 35,000.00
5438	Aerial Survey	\$ 20,000.00	\$ 25,000.00
5440	MATERIALS & SUPPLIES	\$ 14,500.00	\$ 13,750.00
5441	Water/Coffee	\$ 8,000.00	\$ 8,000.00
5442	Janitorial Supplies	\$ 5,000.00	\$ 4,000.00
5443	Locks/Keys	\$ 500.00	\$ 500.00
5444	Kitchen	\$ 1,000.00	\$ 750.00
5445	Miscellaneous		\$ 500.00
5450	RENTS & LEASES	\$ 12,000.00	\$ 11,550.00
5470	SAFETY PROGRAM	\$ 5,000.00	\$ 5,000.00
5480	UTILITIES	\$ 140,000.00	\$ 120,000.00
6120	AIRCRAFT SERVICES	\$ 1,129,000.00	\$ 1,074,000.00
6121	Larviciding	\$ 730,000.00	\$ 680,000.00
6122	Adulticiding	\$ 390,000.00	\$ 385,000.00
6123	Trials	\$ 9,000.00	\$ 9,000.00
6140	ECOLOGICAL MANAGEMENT	\$ 22,000.00	\$ 14,700.00
6142	BMP Programs	\$ 2,000.00	\$ 1,500.00
6143	Project Support	\$ 8,000.00	\$ 4,000.00
6144	Small Equip Maintenance	\$ 5,000.00	\$ 2,200.00
6145	UAS Program	\$ 7,000.00	\$ 7,000.00
6160	MICROBIAL	\$ 1,300,000.00	\$ 1,200,000.00
6170	BIORATIONALS	\$ 1,400,000.00	\$ 1,133,000.00
6180	INSECTICIDES	\$ 750,000.00	\$ 700,000.00
6220	FISHERIES	\$ 41,000.00	\$ 36,000.00
6221	Medications & Feeds	\$ 17,000.00	\$ 15,000.00
6222	Lab Supplies	\$ 2,000.00	\$ 2,000.00
6223	Supplies/Dept. Equipment	\$ 22,000.00	\$ 19,000.00
6224	Fisheries Miscellaneous		\$ -
6280	GEOGRAPHIC INFO SYSTEMS	\$ 9,000.00	\$ 9,000.00
6281	Software	\$ 7,600.00	\$ 7,600.00
6282	Accessories	\$ 1,400.00	\$ 1,400.00
6320	INFORMATION TECHNOLOGY	\$ 120,000.00	\$ 80,000.00
6321	Hardware	\$ 40,000.00	\$ 35,000.00
6322	Software	\$ 80,000.00	\$ 45,000.00
6323	Supplies		\$ -
6324	Services		\$ -
6350	CONTROL OPERATIONS	\$ 70,000.00	\$ 66,000.00
6351	Supplies	\$ 10,000.00	\$ 9,000.00
6352	Control Items & Materials	\$ 15,000.00	\$ 15,000.00
6353	PPE/Safety	\$ 30,000.00	\$ 28,000.00
6355	Small Equipment	\$ 15,000.00	\$ 14,000.00
6370	SHOP	\$ 145,000.00	\$ 121,000.00
6371	Parts Vehicles	\$ 108,000.00	\$ 92,000.00
6372	Outsource / Heavy Equipment	\$ 26,000.00	\$ 18,000.00
6373	Equipment Parts & Repair	\$ 11,000.00	\$ 11,000.00
6420	LAB SERVICES	\$ 230,000.00	\$ 216,300.00
6421	Insectary	\$ 6,500.00	\$ 6,200.00
6422	Gen'l Lab Supplies	\$ 5,000.00	
6423	Services	\$ 10,000.00	\$ 10,000.00
6424	Surveillance	\$ 98,000.00	\$ 98,000.00
6425	Sentinel Bird	\$ 3,500.00	\$ 3,300.00

6426	Wild Bird	\$ -	\$ -
6427	Pesticide Testing	\$ 15,000.00	\$ 15,000.00
6428	Services - Small Equipment	\$ 4,500.00	\$ 4,400.00
6429	MB-Lyme Disease	\$ -	\$ 5,100.00
6431	MB-Malaria	\$ 2,500.00	\$ 2,200.00
6432	MB-Chicken	\$ 2,500.00	\$ 1,800.00
6433	MB-PCR	\$ 76,000.00	\$ 64,000.00
6434	Microbiology - General	\$ 6,500.00	\$ 6,300.00
6450	GAS & PETROLEUM	\$ 250,000.00	\$ 245,000.00
7000	CAPITAL ACCOUNTS	\$ 3,165,500.00	\$ 2,228,000.00
7011/1510	Capital Outlay/Construction In Progress	\$ 205,500.00	\$ 233,000.00
7016	Equipment/Vehicle Replacement	\$ 600,000.00	\$ 560,000.00
7021	Contingency		\$ -
7030	Research Fund	\$ 75,000.00	\$ 50,000.00
7035	Building Improvement	\$ 785,000.00	\$ 385,000.00
	CalPERS Additional Discretionary Payment	\$ 1,500,000.00	\$ 1,000,000.00
	TOTALS		
	Salaries/Benefits	\$ 9,835,510.98	\$ 9,927,938.00
	Operational	\$ 7,277,428.00	\$ 6,501,724.00
	Capital Accounts	\$ 3,165,500.00	\$ 2,228,000.00
	Total Budget	\$ 20,278,438.98	\$ 18,657,662.00

PROJECTED REVENUES \$ 19,276,747.00 \$ 18,412,667.00

ACTUAL REVENUES

TOTAL BUDGET \$ 20,278,438.98 \$ 18,657,662.00

PROJECTED REVENUES

OVER PROJECTED EXPENSES \$ (1,001,691.98) \$ (244,995.00)

ACTUAL REVENUES

OVER ACTUAL EXPENSES

Sacramento-Yolo Mosquito and Vector Control District

May 23, 2023 Board Meeting

8. **Closed Session- Provide Instruction to Designated Labor Representatives (Gov. Code s. 54957.6-Labor Negotiations)**
Agency Designated Representatives : [Gary Goodman, Kim Bogard]
Employee Organization: [Operating Engineers Local Union #3]