

Sacramento-Yolo  
MOSQUITO & VECTOR  
CONTROL DISTRICT

FEBRUARY 18, 2025

BOARD OF TRUSTEES

BOARD PACKET

10:00 A.M.

8631 BOND ROAD  
ELK GROVE, CA 95624

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

8631 Bond Road  
Elk Grove, CA 95624

**AGENDA  
February 18, 2025  
10:00 AM**

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

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

**CALL TO ORDER:**

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

1. **Items for Approval by General Consent:**
  - a. **Minutes of the January 21, 2025 Board of Trustees Meeting**
  - b. **Expenditures for January 2025**
  - c. **District Investment Reports for Period Ending December 31, 2024**
  
2. **Opportunity for Public Comment**

*This item is reserved for members of the public who wish to speak on items not on the agenda*
  
3. **Reports to the Board**
  - a. **Manager's Report**
  - b. **Reports from Trustees Attending the MVCAC Annual Conference**
  - c. **Reports from District Departments**
    - **Lab/Surveillance**
    - **Ecological Management**
    - **Biological Control**
    - **Larval and Adult Control**

- **Public Outreach**

4. **Board Review and Consideration of \$380,000 to Fund the Public Outreach Advertising Plan for the 2025 Mosquito Season**
5. **Board Review and Consideration to Remodel the Laboratory Auxiliary Room**
6. **Board Review and Consideration of District's Five Year Plan**
7. **Closed Session- Consideration and Appointment of Bargaining Team (Gov. Code s. 54957 (b)(1))and Provide Instruction to Designated Labor Representatives (Government Code Section 54957.6-Labor Negotiations)**
8. **Board/Staff General Discussion**
9. **Adjournment**

**MINUTES OF THE JANUARY 21, 2025  
MEETING OF THE BOARD OF TRUSTEES OF THE SACRAMENTO-YOLO  
MOSQUITO & VECTOR CONTROL DISTRICT**

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

**Time:** 10:00 a.m.

**Call to Order:** The meeting was called to order by Board Vice President Charles Duty at 10:04 a.m.

**Trustees Present:**

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

**Staff Present:**

Gary Goodman	Manager
Tony Hedley	Assistant Manager
Steve Ramos	Assistant Manager
Demetri Dokos	South Sacramento Field Supervisor
Brett Day	South Sacramento Field Supervisor
Dan Fisher	Information Technology Administrator

## Roll Call

This meeting was in person. Attendance was taken by Roll Call.

## Pledge of Allegiance

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

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

On a motion by Trustee Latorre and seconded by Trustee Burnett, the Board voted to approve the nomination of Charles Duty to President. The vote was taken and the motion passed 12-0 with 1 abstention.

On a motion by Trustee Burnett and seconded by Trustee Gardiner, the Board voted to approve the nomination of Janell Darroch to Vice President. The vote was taken and the motion passed 12-0 with 1 abstention

On a motion by Trustee Karpinski-Costa and seconded by Trustee Darroch, the Board voted to approve the nomination of Staci Gardiner to Secretary. The vote was taken voice vote and the motion passed 12-0 with 1 abstention

### 2. **Items for Approval by General Consent**

On a motion by Trustee Burnett and seconded by Trustee Latorre, the Board voted to approve the General Consent Items. The vote was taken and the motion passed 12-0 with 1 abstention

- a. Minutes of the December 17, 2024 Board of Trustees Meeting
- b. Expenditures for December 2024
- c. Board Review and Consideration of District Annual Safety Committee Report

### 3. **Opportunity for Public Comment**

None

### 4. **Reports to the Board**

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

The Manager discussed the beginning of the year activities and the preparation for the 2025 season. He provided a recap of plans to begin recruiting of seasonal employees, the status of the current audit, and the implementation of the new software for payroll and HR documentation.

#### **Reports from District Departments:**

Oral Reports were given by the following:  
South Sacramento Field Supervisor-Demetri Dokos  
North Yolo County Field Supervisor-Brett Day

**5. Closed Session -Public Employee Performance Evaluation (Gov. Code § 54957):  
Manager**

The Board went into closed session at 10:34 am and returned at 11:16 am. Board counsel indicated that there was no reportable action from the closed session.

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

The Manager informed the Board of an upcoming expense related to the Auxillary Room in the Laboratory. The newest member of the Board Tania Garcia-Cadena introduced herself to the Board. Staff reminded the Board that the Form 700s are due by April.

**7. ADJOURNMENT**

The meeting adjourned at 11:30 a.m.

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the February 20<sup>th</sup>, 2024, meeting.

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Lisa Pelletier, Administrative Manager

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

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Staci Gardiner, Board Secretary

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

	Jul '24 - Jan 25	Budget	\$ Over Budget
<b>Ordinary Income/Expense</b>			
<b>Income</b>			
<b>4000 · REVENUE</b>	10,290,901.45	20,718,525.00	-10,427,623.55
<b>Total Income</b>	10,290,901.45	20,718,525.00	-10,427,623.55
<b>Gross Profit</b>	10,290,901.45	20,718,525.00	-10,427,623.55
<b>Expense</b>			
<b>5000 · SALARIES/BENEFITS/WC</b>	10,229,299.18	12,519,219.00	-2,289,919.82
<b>5200 · OPERATIONAL</b>			
<b>5210 · LIABILITY INSURANCE</b>	296,536.18	304,493.00	-7,956.82
<b>5250 · AUDITING/FISCAL</b>	0.00	25,000.00	-25,000.00
<b>5270 · COMMUNICATIONS</b>	56,351.01	100,000.00	-43,648.99
<b>5310 · PUBLIC INFORMATION</b>	257,295.98	700,000.00	-442,704.02
<b>5340 · STRUCTURE &amp; GROUNDS</b>	44,975.36	150,000.00	-105,024.64
<b>5370 · MEMBER/TRAINING</b>	77,167.71	167,500.00	-90,332.29
<b>5390 · DISTRICT OFFICE EXPENSES</b>	12,122.53	25,000.00	-12,877.47
<b>5430 · PROFESSIONAL SERVICES</b>	168,387.13	341,000.00	-172,612.87
<b>5440 · MATERIALS &amp; SUPPLIES</b>	9,414.33	16,000.00	-6,585.67
<b>5450 · RENTS &amp; LEASES</b>	295,075.07	712,000.00	-416,924.93
<b>5470 · SAFETY PROGRAM</b>	1,495.78	5,000.00	-3,504.22
<b>5480 · UTILITIES</b>	72,839.04	125,000.00	-52,160.96
<b>6120 · AIRCRAFT SERVICES</b>	700,595.71	1,179,000.00	-478,404.29
<b>6140 · ECOLOGICAL MANAGEMENT</b>	2,968.58	23,000.00	-20,031.42
<b>6160 · MICROBIAL</b>	687,017.52	1,200,000.00	-512,982.48
<b>6170 · BIORATIONALS</b>	960,867.12	1,200,000.00	-239,132.88
<b>6180 · INSECTICIDES</b>	721,105.68	900,000.00	-178,894.32
<b>6220 · FISHERIES</b>	31,483.74	35,000.00	-3,516.26
<b>6280 · GEOGRAPHIC INFO SYSTEMS</b>	3,330.00	9,000.00	-5,670.00
<b>6320 · INFORMATION TECHNOLOGY</b>	161,651.28	130,000.00	31,651.28
<b>6350 · CONTROL OPERATIONS</b>	18,529.42	55,000.00	-36,470.58
<b>6370 · SHOP DEPT</b>	74,321.49	159,500.00	-85,178.51
<b>6420 · LAB SERVICES</b>	116,665.06	204,000.00	-87,334.94
<b>6450 · GAS &amp; PETROLEUM</b>	109,298.37	210,000.00	-100,701.63
<b>Total 5200 · OPERATIONAL</b>	4,879,494.09	7,975,493.00	-3,095,998.91
<b>62600 · Ask Accountant</b>	0.00		
<b>66000 · Payroll Expenses</b>	3,153.17		
<b>Total Expense</b>	15,111,946.44	20,494,712.00	-5,382,765.56
<b>Net Ordinary Income</b>	-4,821,044.99	223,813.00	-5,044,857.99
<b>Other Income/Expense</b>			
<b>Other Income</b>			
<b>67001 · GASB 31 Fair Market Value</b>	5,204.00		
<b>Total Other Income</b>	5,204.00		

## Sacramento-Yolo Mosquito and Vector Control District

02/06/25

## Check Register

Accrual Basis

January 2025

Num	Date	Name	Credit	Type
Jan 25				
59177	01/03/2025	Buckmaster Office Solutions	78.26	Bill Pmt -Check
59178	01/03/2025	Cleanit Maintenance Systems LLC	2,995.00	Bill Pmt -Check
59179	01/03/2025	Elk Grove Water District	564.39	Bill Pmt -Check
59180	01/03/2025	Factory Motor Parts Co	24.62	Bill Pmt -Check
59181	01/03/2025	Hippensteel Group	2,606.25	Bill Pmt -Check
59182	01/03/2025	PG & E	3,610.14	Bill Pmt -Check
59183	01/03/2025	Republic Services #922	356.16	Bill Pmt -Check
59184	01/03/2025	Safe Side Security	414.00	Bill Pmt -Check
59185	01/03/2025	SMUD	3,799.93	Bill Pmt -Check
59186	01/03/2025	Stericycle, Inc.	98.11	Bill Pmt -Check
59187	01/03/2025	T-Mobile	1,012.50	Bill Pmt -Check
59188	01/03/2025	Vector Disease Control International	55,275.00	Bill Pmt -Check
59189	01/03/2025	Verizon Wireless	2,789.35	Bill Pmt -Check
59190	01/03/2025	Veseris - ES Opco USA LLC	30,526.13	Bill Pmt -Check
59191	01/03/2025	Hunt & Sons Inc	201.17	Bill Pmt -Check
59192	01/03/2025	T-Mobile	1,951.86	Bill Pmt -Check
59193	01/03/2025	Utonomy, Inc.	2,613.75	Bill Pmt -Check
59194	01/07/2025	Airgas USA, LLC	99.39	Bill Pmt -Check
59195	01/07/2025	AutoZone, Inc.	315.03	Bill Pmt -Check
59196	01/07/2025	Cintas Corporation	7,510.43	Bill Pmt -Check
59197	01/07/2025	City of Woodland	286.57	Bill Pmt -Check
59198	01/07/2025	GreatAmerica Financial Services	376.28	Bill Pmt -Check
59199	01/07/2025	Maita Chevrolet	263.90	Bill Pmt -Check
59200	01/07/2025	Nadel	994.31	Bill Pmt -Check
59201	01/07/2025	Sacramento Control Systems, Inc.	504.00	Bill Pmt -Check
59202	01/07/2025	Valley Fire & Security Alarms, Inc	69.50	Bill Pmt -Check
59203	01/07/2025	AutoZone, Inc.	332.30	Bill Pmt -Check
59204	01/08/2025	Galt Pipe Company	2,034.91	Bill Pmt -Check
59205	01/09/2025	Airgas USA, LLC	93.57	Bill Pmt -Check
59206	01/09/2025	Consolidated Communications	910.99	Bill Pmt -Check
59207	01/09/2025	Leading Edge Associates Inc.	1,800.00	Bill Pmt -Check
59209	01/15/2025	Alhambra & Sierra Springs	51.46	Bill Pmt -Check
59210	01/15/2025	Buckmaster Office Solutions	153.23	Bill Pmt -Check
59211	01/15/2025	Consolidated Communications	1,564.15	Bill Pmt -Check
59212	01/15/2025	Enterprise Fleet Management	289,870.85	Bill Pmt -Check
59213	01/15/2025	Hunt & Sons Inc	2,995.48	Bill Pmt -Check
59214	01/15/2025	Kimball Midwest	230.12	Bill Pmt -Check
59215	01/15/2025	Waste Management C & R, Inc.	232.76	Bill Pmt -Check
59216	01/15/2025	US Bank	21,878.18	Bill Pmt -Check
59218	01/22/2025	Aleshire & Wynder, LLP	108.69	Bill Pmt -Check
59219	01/22/2025	Arthur J Gallagher Risk Mgt. Svcs.	8,677.00	Bill Pmt -Check
59220	01/22/2025	Barnes Welding	332.39	Bill Pmt -Check
59221	01/22/2025	BKS Law Firm, PC	1,046.25	Bill Pmt -Check
59222	01/22/2025	CA Department of Tax and Fee Admi...	50.00	Bill Pmt -Check
59223	01/22/2025	CTP Solutions	188.15	Bill Pmt -Check
59224	01/22/2025	Hunt & Sons Inc	278.82	Bill Pmt -Check
59225	01/22/2025	PG & E	350.08	Bill Pmt -Check
59226	01/22/2025	Target Specialty Products	124.83	Bill Pmt -Check
59227	01/23/2025	Kaiser Foundation Health Plan	61,057.58	Bill Pmt -Check
59228	01/23/2025	P & A Administrative Services Inc	112.50	Bill Pmt -Check
59229	01/23/2025	PRISM-	380.25	Bill Pmt -Check
59230	01/23/2025	Sutter Health Plan	15,587.40	Bill Pmt -Check
59231	01/23/2025	Western Health Advantage	9,315.28	Bill Pmt -Check
59232	01/23/2025	Western Health Advantage	1,395.62	Bill Pmt -Check
59233	01/23/2025	Benefit Coordinators Corporation	5,014.40	Bill Pmt -Check
59234	01/23/2025	PG & E	1,839.00	Bill Pmt -Check
59235	01/23/2025	Safe Side Security	396.95	Bill Pmt -Check
59240	01/31/2025	ArcSource	1,353.40	Bill Pmt -Check
59241	01/31/2025	Barnes Welding	648.42	Bill Pmt -Check
59242	01/31/2025	Buckmaster Office Solutions	78.26	Bill Pmt -Check
59243	01/31/2025	Elk Grove Water District	589.81	Bill Pmt -Check
59244	01/31/2025	Hippensteel Group	3,018.75	Bill Pmt -Check
59245	01/31/2025	Kimball Midwest	737.82	Bill Pmt -Check
59246	01/31/2025	PG & E	3,368.44	Bill Pmt -Check
59247	01/31/2025	Republic Services #922	356.16	Bill Pmt -Check
59248	01/31/2025	River City Fire Equipment	2,611.44	Bill Pmt -Check
59249	01/31/2025	SMUD	3,842.79	Bill Pmt -Check



Sacramento-Yolo Mosquito and Vector Control District

02/06/25

Check Register

Accrual Basis

January 2025

Num	Date	Name	Credit	Type
59250	01/31/2025	Stericycle, Inc.	98.11	Bill Pmt -Check
59251	01/31/2025	T-Mobile	494.57	Bill Pmt -Check
59252	01/31/2025	Verizon Wireless	2,767.37	Bill Pmt -Check
59253	01/31/2025	T-Mobile	1,952.52	Bill Pmt -Check
59254	01/31/2025	US Bank	32,367.10	Bill Pmt -Check
59208	01/10/2025	Sena, Raquel - V	1,034.32	Check
59217	01/22/2025	Farm Air Flying Service	250,000.00	Check
59238	01/22/2025	AIMS - VCJPA		Check
59236	01/31/2025	CA State Disbursement Unit	350.00	Check
59237	01/31/2025	Operating Engineers Local Union No. 3	1,050.00	Check
59239	01/31/2025	Goodman, Gary W.	2,889.50	Check
59255	01/31/2025	AIMS - VCJPA	161.59	Check

Jan 25

**857,509.59**



**SACRAMENTO COUNTY**

8631 Bond Road  
Elk Grove, CA 95624

(800) 429-1022  
www.FIGHTtheBITE.net

**Gary Goodman**  
General Manager

**2025 Board of Trustees**

**Charles Duty**  
President,  
Sacramento County

**Janell Darroch**  
Vice President, West  
Sacramento

**Staci Gardiner**  
Secretary,  
Isleton

**Christopher Barker**  
Davis

**Craig R. Burnett**  
Folsom

**Lyndon Hawkins**  
Elk Grove

**Gar House**  
Winters

**Jayna Karpinski-Costa**  
Citrus Heights

**Raymond LaTorre**  
Sacramento

**Robert J. McGarvey**  
Rancho Cordova

**Marcia Mooney**  
Galt

**William Reisen**  
Yolo County

**Tania Garcia-Cadena**  
Woodland

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

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

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

As the District receives revenue from taxes and other resources the funds are deposited with the Yolo County Treasurer. The following is the interest earnings, fund balances, and investments of the District for the quarter ending **December 31, 2024**.

Institution		Earnings	Total as of 12/31/2024
Yolo County Treasurer Investment Pool	4.04%*	\$2,331.19	\$2,017,971.03
L.A.I.F.	4.62%	\$131,240.98	\$7,212,764.70
VCJPA-Member Contingency Fund	(0.813)%	\$(15,550.00)	\$1,912,713.00
CERBT-Strategy 3		\$(95,352.37)	\$2,242,305.03
		<b>District Total:</b>	<b>\$13,385,753.76</b>

\*Rates are reflected as annualized earning rates



# County of Yolo

www.yolocounty.org

**TOM HAYNES**  
Chief Financial Officer  
**EVIS MORALES**  
Deputy Chief Financial Officer

## DEPARTMENT OF FINANCIAL SERVICES

625 Court Street, Room 102  
PO BOX 1268  
WOODLAND, CA 95776  
PHONE: (530) 666-8190  
FAX: (530) 666-8215  
EMAIL: DFS@yolocounty.org

- Financial Leadership
- Budget & Financial Planning
- Treasury & Finance
- Tax & Revenue Collection
- Financial Systems Oversight
- Accounting & Financial Reporting
- Internal Audit

January 27, 2025

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

Dear Mr. Goodman:

Listed below for your information and that of the Board of Directors, is data pertaining to interest earnings, fund balances and investments of the district for the quarter ended December 31, 2024. The Yolo County Treasurer's Investment Report is available electronically. Should you or the Board wish additional information or have any questions, please let me know.

<u>PERIOD</u>		<u>YOLO COUNTY</u>	<u>LAIF</u>	<u>EARNINGS</u>
Quarter ending:	December 31, 2024	4.040%		\$ 2,331.19
Quarter ending:	December 31, 2024		4.62%	\$ 131,240.98
Placement of Funds as of December 31, 2024:		(Fund 7245)		
	Yolo County Treasurer's Pool (Account 100000)			2,017,971.03
	Flexible Spending Account (Account 104000)			18,855.13
	LAIF (Account 104050)			7,212,764.70
	<b>Total</b>			<b>\$ 9,249,590.86</b>

\*Rates are reflected above as annualized earnings rates.

Sincerely,

*Kevin Sorensen*

Kevin Sorensen  
Accounting Manager



# Vector Control Joint Powers Agency

## Member Contingency Fund

For the Quarter Ended  
December 31, 2024

Member District	Balance at Beginning of Quarter	Contribution	(Withdrawals)	Interest Earned	Allocated Admin.	Balance at End of Quarter
Alameda County	331,961			(2,693)	(7)	329,261
Burney Basin	38,632	788		(317)	(1)	39,102
Butte County	392,164	17,820		(3,254)	(8)	406,722
Coachella Valley	1,042,525	52,165		(8,669)	(22)	1,085,999
Coalinga-Huron	8,744	238		(72)	0	8,910
Colusa	101,284	2,827		(833)	(2)	103,276
Compton Creek	72,336	1,710		(594)	(2)	73,450
Consolidated	436,435	23,024		(3,634)	(9)	455,816
Contra Costa	1,334,063		(294)	(10,822)	(27)	1,322,920
Durham	5,152	956		(46)	0	6,062
Fresno	243,947	9,765		(2,019)	(5)	251,688
Glenn County	44,702			(363)	(1)	44,338
Greater Los Angeles County	1,822,751	101,228		(15,199)	(38)	1,908,743
Lake County	161,380			(1,309)	(3)	160,068
Los Angeles County West	777,210	48,599		(6,503)	(16)	819,290
Marin-Sonoma	937,646			(7,607)	(19)	930,020
Monterey County	32,043	3,837		(276)	(1)	35,603
Napa County	1,556,062	11,623		(12,671)	(32)	1,554,982
Northwest	111,266	23,239		(997)	(3)	133,505
Orange County	586,058			(4,755)	(12)	581,291
Pine Grove	34,793			(282)	(1)	34,510
Placer	281,534	17,395		(2,355)	(6)	296,568
Sacramento-Yolo	1,905,142	23,160		(15,550)	(39)	1,912,713
San Gabriel Valley	162,017	42,570		(1,487)	(4)	203,096
San Joaquin County	140,469	39,962		(1,302)	(3)	179,126
San Mateo County	519,172			(4,212)	(11)	514,949
Santa Barbara County	87,844	5,246		(734)	(2)	92,354
Shasta	269,565		(16,239)	(2,121)	(5)	251,200
Sutter-Yuba	320,091	14,527		(2,656)	(7)	331,955
Tehama County	289,988			(2,353)	(6)	287,629
Turlock	22,878	3,943		(202)	(1)	26,618
West Valley	338,769	20,789		(2,833)	(7)	356,718
<b>Total</b>	<b>14,408,622</b>	<b>465,411</b>	<b>(16,533)</b>	<b>(118,720)</b>	<b>(\$300.00)</b>	<b>14,738,481</b>

**Notes:**

Yield to maturity rate on the VCJPA portfolio is 3.23% as of the above date. As required by GASB 31, the allocated interest shown also reflects market value changes to the securities held in the portfolio. Therefore, the actual interest allocated to this fund, and all program year funds, may or may not equal the yield to maturity rate from quarter to quarter. However, the average overall allocated interest, over the life of this fund, should provide a close approximation.

**Vector Control Joint Powers Agency**  
 Member Contingency Fund - Prudent Balance Calculation  
 As of December 31, 2024

Self-Insurance Exposure - Two Times Deductible										
Member District	Liability	Workers' Compensation	APD	Property	Sub-Total 2 X Deductible	2024/2025 Contribution	Two Times Contribution	Prudent Balance	Member Contingency Fund Balance as of December 31, 2024	Amount Over / (Under) Prudent Balance
	A	B	C	D	E=SUM(A-D)	F	G=F x 2	H=E+G	I	J=H-I
1 Alameda County	20,000	50,000	2,000	1,000	73,000	196,831	393,662	466,662	329,261	(137,401)
2 Burney Basin	2,000	10,000	2,000	1,000	15,000	9,871	19,742	34,742	39,102	4,360
3 Butte County	20,000	50,000	2,000	1,000	73,000	168,492	336,984	409,984	406,722	(3,262)
4 Coachella Valley	50,000	50,000	2,000	1,000	103,000	581,777	1,163,554	1,266,554	1,085,999	(180,555)
5 Colianga-Huron	2,000	5,000	2,000	1,000	10,000	3,936	7,872	17,872	8,910	(8,962)
6 Colusa	2,000	10,000	2,000	1,000	15,000	23,416	46,832	61,832	103,276	41,444
7 Compton Creek	5,000	5,000	2,000	1,000	13,000	18,249	36,498	49,498	73,450	23,952
8 Consolidated	20,000	50,000	2,000	1,000	73,000	186,026	372,052	445,052	455,816	10,764
9 Contra Costa	100,000	100,000	2,000	1,000	203,000	354,450	708,900	951,900	1,322,920	391,020
10 Delta	10,000	20,000	2,000	1,000	33,000	204,394	408,788	441,788	0	0
11 Durham	2,000	5,000	2,000	1,000	10,000	8,885	17,770	27,770	6,062	(21,708)
12 Fresno	10,000	50,000	2,000	1,000	63,000	92,016	184,032	247,032	251,688	4,656
13 Glenn County	2,000	10,000	2,000	1,000	15,000	14,579	29,158	44,158	44,338	180
14 Greater Los Angeles County	150,000	100,000	2,000	1,000	253,000	879,847	1,759,694	2,012,694	1,908,743	(103,951)
15 Kings	10,000	20,000	2,000	1,000	33,000	143,825	287,650	320,650	0	0
16 Lake County	5,000	20,000	2,000	1,000	28,000	61,646	123,292	151,292	160,068	8,776
17 Los Angeles County West	50,000	50,000	2,000	1,000	103,000	426,104	852,208	955,208	819,290	(135,918)
18 Marin-Sonoma	100,000	100,000	2,000	1,000	203,000	430,648	861,296	1,064,296	930,020	(134,276)
19 Napa County	10,000	50,000	2,000	1,000	63,000	98,359	196,718	259,718	1,554,982	1,295,264
20 Monterey County	10,000	50,000	2,000	1,000	63,000	84,362	168,724	231,724	35,603	(196,121)
21 Northwest	10,000	50,000	2,000	1,000	63,000	189,851	379,702	442,702	133,505	(309,197)
22 Orange County	50,000	100,000	2,000	1,000	153,000	773,334	1,546,668	1,699,668	581,291	(1,118,377)
23 Pine Grove	2,000	5,000	2,000	1,000	10,000	7,676	15,352	25,352	34,510	9,158
24 Placer	2,000	20,000	2,000	1,000	25,000	211,859	423,718	448,718	296,568	(152,150)
25 Sacramento-Yolo	100,000	100,000	2,000	1,000	203,000	553,082	1,106,164	1,309,164	1,912,713	603,549
26 San Gabriel Valley	20,000	100,000	2,000	1,000	123,000	278,839	557,678	680,678	203,096	(477,582)
27 San Joaquin County	100,000	100,000	2,000	1,000	203,000	291,174	582,348	785,348	179,126	(606,222)
28 San Mateo County	20,000	50,000	2,000	1,000	73,000	305,300	610,600	683,600	514,949	(168,651)
29 Santa Barbara County	5,000	10,000	2,000	1,000	18,000	47,496	94,992	112,992	92,354	(20,638)
30 Shasta	5,000	50,000	2,000	1,000	58,000	158,082	316,164	374,164	251,200	(122,964)
31 Sutter-Yuba	20,000	50,000	2,000	1,000	73,000	159,232	318,464	391,464	331,955	(59,509)
32 Tehama County	2,000	20,000	2,000	1,000	25,000	45,724	91,448	116,448	287,629	171,181
33 Turlock	20,000	50,000	2,000	1,000	73,000	106,742	213,484	286,484	26,618	(259,866)
34 West Valley	20,000	50,000	2,000	1,000	73,000	184,443	368,886	441,886	356,718	(85,168)
<b>Total</b>	<b>956,000</b>	<b>1,560,000</b>	<b>68,000</b>	<b>34,000</b>	<b>2,618,000</b>	<b>7,310,547</b>	<b>14,621,094</b>	<b>17,239,094</b>	<b>14,738,481</b>	<b>(2,500,613)</b>

Sacramento-Yolo Mosquito & Vector Control District  
 CERBT Strategy 3  
 Entity #: SKB8-1375523307  
 Quarter Ended December 31, 2024



Market Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Balance	\$2,338,061.23	\$2,177,389.55
Contribution	0.00	0.00
Disbursement	0.00	0.00
Transfer In	0.00	0.00
Transfer Out	0.00	0.00
Investment Earnings	(95,352.37)	65,802.79
Administrative Expenses	(155.78)	(434.21)
Investment Expense	(248.05)	(453.10)
Other	0.00	0.00
Ending Balance	\$2,242,305.03	\$2,242,305.03
FY End Contrib per GASB 74 Para 22	0.00	0.00
FY End Disbursement Accrual	0.00	0.00
Grand Total	\$2,242,305.03	\$2,242,305.03

Unit Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Units	123,845.370	123,845.370
Unit Purchases from Contributions	0.000	0.000
Unit Sales for Withdrawals	0.000	0.000
Unit Transfer In	0.000	0.000
Unit Transfer Out	0.000	0.000
Ending Units	123,845.370	123,845.370
Period Beginning Unit Value	18,878873	17,581516
Period Ending Unit Value	18,105682	18,105682

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

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

## **February 18, 2025 Board Meeting**

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

- a. Manager's Report**
- b. Reports from Trustees Attending the Mosquito and Vector Control Association of California (MVCAC) Annual Conference**
- c. Reports from District Departments**
  - **Lab/Surveillance (Sarah Wheeler)**
  - **Ecological Management (Kevin Combo)**
  - **Biological Control (Ken Harris)**
  - **Larval and Adult Control (Marty Scholl)**
  - **Public Outreach (Luz Maria Robles)**

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

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

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

Our Vector Control Joint Powers Authority will be holding their annual workshop on February 27<sup>th</sup> and 28<sup>th</sup>. Lisa Pelletier will be attending.

The MVCAC Legislative Day is scheduled for March 25<sup>th</sup> and 26<sup>th</sup>. The AMCA Washington Days will be in May.

Please be advised that you will need to submit your Conflict of Interest Form 700 prior to April 1<sup>st</sup>, 2025.

#### **b. Reports from Trustees Attending the MVCAC Annual Conference**

#### **c. Reports from District Departments**

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

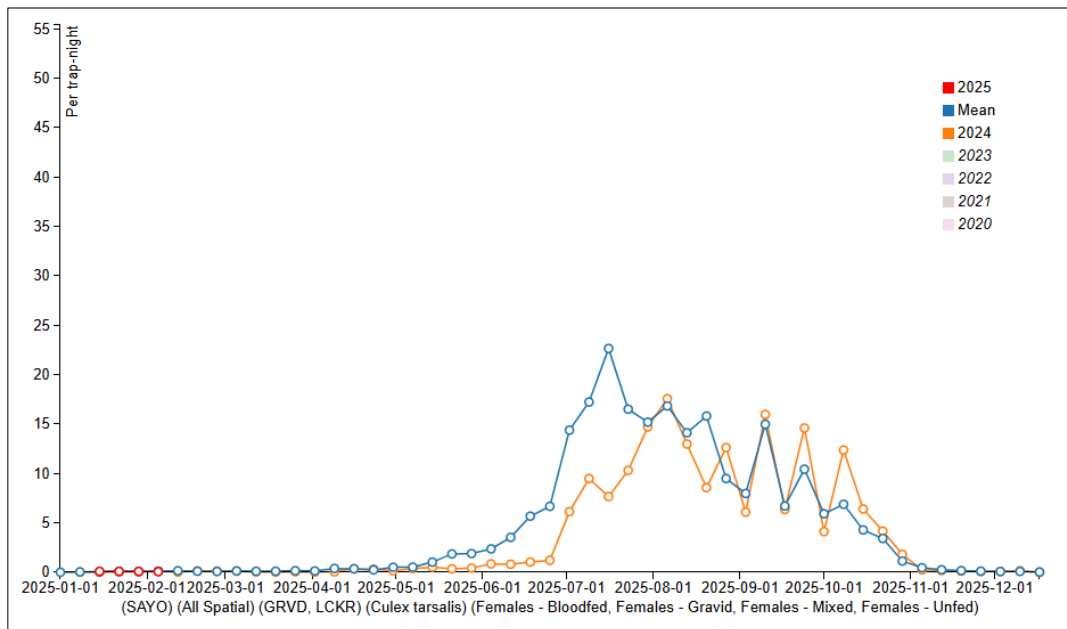
## LABORATORY Monthly Report, February 2025 Board Meeting

### Insectary:

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

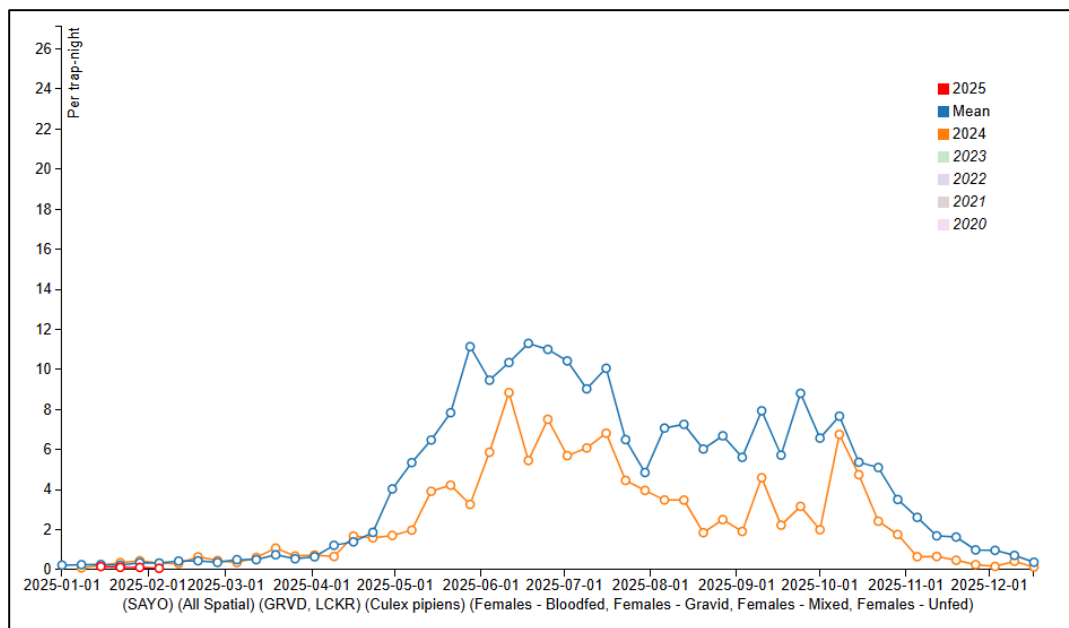
### Surveillance update through 2/5/2025

**Weekly mosquito collections** – The following graphs show overall *Culex tarsalis* and *Culex pipiens* abundance from gravid traps and locker traps placed in permanent locations throughout Sacramento and Yolo Counties. These traps run seven days a week and provide stable abundance data.



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





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

**Encephalitis Vector Surveillance (EVS)** – This program will resume in May, 2025.

**Dead bird surveillance** – The dead bird program will resume in April 2025.

**Sentinel chickens** – The sentinel chicken program is completed for the year and will resume in April 2025.

**Rice surveillance** – Surveillance will resume in May 2025.

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

***Aedes aegypti* trapping effort in Sacramento and Yolo Counties** – Surveillance for *Aedes aegypti* and *Aedes albopictus* will resume in April, 2025.

**The California Arbovirus Surveillance Bulletin updates will resume in May 2025**

**Tick surveillance** – Tick flagging resumed in November. Each permanent site is flagged once per month. Collections sites were selected based on land use and habitat. Over the last three months *Ixodes pacificus* were collected from each of the 20 surveillance sites. All *Ixodes pacificus* collections were separated by sex, collected in samples up to five ticks, and tested for *Borrelia burgdorferi*, the causative agent of Lyme disease. The following table shows the number of ticks collected November 2024 – January 2025 by city and the minimum infection rates for *Borrelia burgdorferi*.

***Ixodes pacificus* minimum infection rates (MIR\*) for *Borrelia burgdorferi***

City	County	November 2024		December 2024		January 2025	
		Total collected	MIR	Total collected	MIR	Total collected	MIR
Brooks	Yolo	1		8		15	
Carmichael	Sacramento	1				5	
Fair Oaks	Sacramento	25		32	6.3	33	
Folsom	Sacramento	31		139	4.3	182	1.1
Gold River	Sacramento	48	2.1	11	9.1	33	6.1
Orangevale	Sacramento	4		82	6.1	55	1.8
Rancho Cordova	Sacramento	25		4		14	
Rumsey	Yolo			8		24	
Winters	Yolo	6				1	

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

## ECOLOGICAL MANAGEMENT DEPARTMENT

### February 2025 Board Update

#### Ecological Management Projects

Ecological Management staff are prepping for the upcoming season by performing annual maintenance on excavation and vegetation control equipment. Staff continue to oversee ongoing brush cutting projects that are in process located at Delta Meadows and Teal Bend Golf Course. Ecological Management technicians are conducting their annual training modules and watching their continuing education webinars. Staff continue to be heavily involved in new construction and supporting other departments with their maintenance needs around the District.

#### Teal Bend Golf Course (Sacramento County)

This project consists of a stormwater and irrigation holding ponds under the jurisdiction of the Natomas Mutual Water Company located just north of Teal Bend Golf Course. The periphery of these ponds are highly vegetated with emergent vegetation cattails (*Typha latifolia*), Himalayan Blackberry (*Rubus armeniacus*), and Kyllinga (*Cyperus rotundus*) that restricts access for Control Operations staff to conduct mosquito control activities. This site is not conducive for drone treatments due to the close proximity to Sacramento International Airport. This location routinely tests positive for West Nile Virus and is responsible for multiple service requests from patrons of Teal Bend Golf Course and residents along the Garden Highway corridor. Staff in coordination with Natomas Mutual Water cut slots and pathways in the vegetation to the water's edge to allow Control Operations staff to treat with granular materials and plant mosquitofish (*Gambusia affinis*) in the spring to help control immature mosquito populations.



## **Planning**

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

### *Sacramento Airport South Annexation*

The proposed project involves 474 acres in Sacramento County just south of Sacramento International Airport that will incorporate light industrial and housing developments. If approved, this project will eliminate approximately 474 acres of agricultural land and multiple mosquito breeding sites in close proximity to populated areas.

### *Jackson Properties Warehouse (Rancho Cordova)*

The proposed project is to develop a light industrial warehouse complex within the Mather Special Planning Area. After reviewing the project, staff have no comments at this time and will comment when more specific plans are submitted.

### *3501 Recycle Road (Rancho Cordova)*

The proposed project is to split an existing 1.46 ac. Parcel into two parcels and have them zoned for M-2 (heavy industrial) build site within the South Sunrise Special Planning area. Staff will continue to monitor and make recommendations when plans are available.

### *Elk Slough slope and Habitat Restoration (USACE Yolo County)*

The California Department of Water Resources is seeking authorization to restore approximately 1,000 feet of waterside levee slope and riparian habitat that was damaged during the 2017 storms. The proposed project would involve excavating a key trench near the levee toe and rebuilding the slope with soil-filled rockfill and launch rock. Native grasses and willows will be placed on the waterside slope. After review, no cumulative impacts to mosquito control have been observed.

### *Sacramento Bee South Townhomes (City of Sacramento)*

This Planning Entitlement Review is for a proposed project to subdivide the existing lot and construct 8 three story 6-plex townhomes for a total of 48 dwellings. This project is still in the application phase and staff will make comments when the specific plans become available.

### *Creekside at Woodlake (City of Sacramento)*

This proposed project would utilize current vacant land (7.08 ac.) and construct 29 residential dwellings. Ecological Management staff reviewed the plans and made comments regarding the stormwater detention basins and maintenance thereof. Staff is currently waiting for a response.

**BIOLOGICAL CONTROL**  
**Monthly Report for February 2025 Board Meeting**

In January, the Fisheries Department prioritized pond and facility maintenance while servicing and repairing equipment for the upcoming season. The pole barn was cleaned and reorganized to accommodate parking for new vehicles, freeing up additional space in the large parking garage for other departments. In anticipation of the department's new vehicle, a fish transport tank and hardware were removed from an old fisheries truck. Work continued around two ponds in preparation for additional fencing. The department also carried out weed control, tree trimming, and general landscaping. The team completed annual training modules and continuing education, while daily tasks like water quality testing and tank cleaning ensured the maintenance of high-quality fish.

Log of Treatment Applied for January

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish ( <i>Gambusia affinis</i> )	.125 lbs	.012 Acres	3
Guppies ( <i>Poecilia reticulata</i> )	0 lbs	0 Acres	0

Log of Treatment Applied for the year 2024

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish	.125 lbs	.012 Acres	3
Guppies	0 lbs	0 Acres	0

Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
35,000.00	12,347.98	22,652.02	35%

Bottom Left : *Picture of pond leveling.*

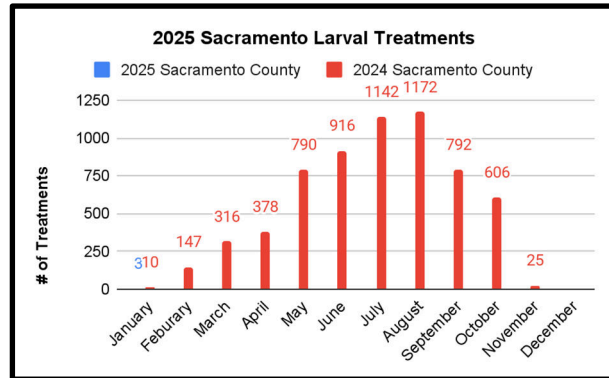
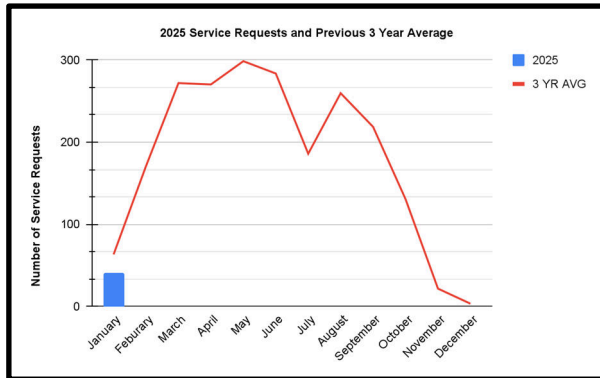
Bottom Right : *Picture of a staff repairing exclusion netting.*



## CONTROL OPERATIONS Monthly Report for the February 2025 Board Meeting

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

No response was needed for WNV control in the month of January; however a small handful of treatments were made in response to the service requests received in both counties.



No aerial or larval applications have been performed in 2025.

No new Aedes detections or services have been performed in 2025.

### Trainings, Continued Education, and Winter Projects

Staff continue to complete annual education and required safety training and gearing up for the coming season. Staff have been preparing older trucks for auction or a change in use while outfitting new trucks for the season as they become available.

Staff have also cleaned and calibrated most of the ground based control equipment for the season and outfitted their trucks after repairs and maintenance have been performed.

**PUBLIC INFORMATION AND EDUCATION**  
**Monthly Report for February 2025 Board Meeting**

**Advertising**

As part of our 2025 Fight the Bite advertising campaign, we will once again collaborate with consultant Gary Benjamin to manage media placements once the advertising plan is approved. Currently, we are analyzing market data and trends to develop a strategy and finalize the plan in the coming months.

Meetings with account executives will soon begin to evaluate their proposals for the upcoming campaign. In response to the ongoing detections of invasive mosquitoes late in the season, we plan to extend the media buy through the end of October. This extension will allow us to increase messaging specific to invasive mosquitoes during their peak activity and target any new areas where they are detected.

**School Program**

Our school program remains active, and the "What Bugs You" assemblies, coordinated by Red Shoe Productions, are in full swing at various schools. In January two assemblies were held, reaching a total of 821 children in grades 2 through 4.

**February assemblies scheduled:**

2/7: Herman Leimbach Elementary

2/13: Carmichael Elementary

A classroom presentation is also scheduled for 2/28 at Almondale Academy.

**Outreach Events**

As part of our community outreach and education efforts, we are excited to kick off the 2025 events season! We are currently reviewing applications and compiling a list of recommended events to attend. Recently, we participated in the Galt Bird Festival, where we had the opportunity to engage with residents and discuss our bird surveillance program and the impact of West Nile virus on bird populations. Both children and adults enjoyed learning about mosquitoes, mosquitofish, and the various services offered by the District.

**Community presentations and partnerships:**

A presentation is scheduled for February 13<sup>th</sup> with the Elk Grove Code Enforcement unit to provide education to code enforcement officers and explore an ongoing partnership with the city. That same day we will be meeting with Splash Center Director to discuss possible collaborations and outreach to children. We are also coordinating with Koobs Nature area in Carmichael to provide education to Montessori school students during their upcoming nature themed events.

**Outreach materials**

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

**MVCAC Public Relations**

As a member of the MVCAC Public Relations Committee, we are currently updating fact sheets and other materials in preparation for the upcoming Legislative Day. Additionally, we are working on several projects, including updates to the MVCAC website, follow up to the media training at the recent statewide conference, collaborations with CalSurv, and preparing for a spring meeting in March.



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

## **February 18, 2025 Board Meeting**

### **4. Board Review and Consideration of \$380,000 to Fund the Public Outreach Advertising Plan for the 2025 Mosquito Season**

#### **Staff Report:**

The District's Public Information and Education Department delivers clear and engaging messages to residents of Sacramento and Yolo counties. These messages aim to:

- Raise awareness about mosquitoes and how communities can help control them.
- Highlight the growing threat of invasive *Aedes* mosquitoes.
- Showcase the District's efforts to prevent and control mosquito-borne diseases.
- Encourage residents to take action and "fight the bite."

Invasive mosquitoes and mosquito-borne diseases like West Nile virus, dengue fever, and chikungunya continue to increase in California. In 2024, there were 127 reported human cases of West Nile virus. Regarding invasive mosquitoes, California recorded the first two locally acquired cases of dengue fever in 2023, however, by 2024 the number of cases grew to 17. This sharp increase of locally acquired cases highlights the importance of public education campaigns that deliver continuous messaging to help residents protect themselves and prevent the spread of mosquitoes around their homes.

#### **2025 Campaign Overview:**

The District's Public Information and Education Department has several objectives.

- We will continue to broaden awareness of the District's protective efforts and services.
- Increase our volume of messages specific to invasive mosquitoes and the increasing threats they pose
- Incorporate many of the insights gleaned from the recent market survey.
- Allocate more investment to new media digital tools - knowing that our residents' consumption of these mediums is growing and evolving.
- Purposely improve coverage and reach into Yolo County.
- Enlist community support as to the overall importance of mosquito abatement, how mosquito control matters and how all of us can help.
- To build public trust by advancing awareness that we are a consistent, reliable, and a very responsive resource in our community and drive more residents to our website for more information.
- To extend our campaign thru the end of October – anticipating another extended season.

#### **Data Drives our Strategy:**

As always, our campaign relies upon data analysis and insights to help us:

- Profile and determine our primary target audience: homeowners, families with children, seniors 55+, outdoor enthusiasts and women.
- Utilize the most current media outlets available to residents.
- Maximize our reach and frequency against our primary target audience.
- Analyze and understand the effects of our campaigns and track media consumption.
- Quantify, allocate, and efficiently deliver our messaging to residents who are most vulnerable and at highest risk.

The 2025 advertising campaign will be enhanced and improved through the insights obtained from the market survey research conducted by FlashVote in October of 2024.

The primary goal of this first messaging survey was to measure the effectiveness of recent public information campaigns and identify necessary changes to enhance future campaigns.

This new survey now helps us by:

- Assessing attitudes and behavior changes relating to mosquito control practices (draining water, wearing repellent, understanding that mosquitoes are a public health threat, etc.)
- Measuring knowledge on District services available to residents
- Evaluating communication preferences and topics of interest
- Identifying advertising elements and channels for different target subgroups

### **Survey Highlights:**

- General awareness of the District and its messaging is good and has already been changing the behavior of our residents. However, it also suggests that we can improve our impact by further tailoring our messaging and media tools to make them more relevant, especially for different age groups and ethnic populations.
- While our current advertising tools have been effective, the new survey results will help us make further adjustments to the mix of elements used based on their costs compared to their overall effectiveness
- The survey indicated that TV commercials and news stories were the most frequently cited channels for mosquito messaging recall of residents. They were followed by radio, social media and other digital ads.
- Survey results revealed that we need to improve our efforts in reaching younger audiences to match the level of awareness already achieved among older residents, especially in Yolo County.
- Results revealed that seeking more news stories through our media partnerships will be very important because news stories were scored as a top channel for reaching our residents - particularly older audiences. Use of social media and digital ads are more successful with younger audiences.
- Results indicate that while the overall message about the District's free services is effective - awareness of specific services can be improved. This presents an opportunity to create new ads (for social media, radio, and TV) that highlight specific offerings, such as mosquitofish, free home inspections, free repellent, presentations, and school assemblies.
- Survey results show that increased awareness of the District encourages people to inspect their properties and help eliminate mosquito breeding areas. The 2025

campaign will also focus on reaching those who are unfamiliar with the District, aiming to raise their awareness and inspire behavior change.

### **Campaign Media and Implementation:**

The 2025 campaign will incorporate a fluid mix of several media tools and shifts will be made in accordance with how media is consumed by our target audiences and any emerging trends.

#### **Digital Media:**

- The use of digital media continues to expand steadily, especially for news and entertainment. As a result, our use of digital media will continue to grow in 2025.
- We are adjusting our campaign knowing that consumers' news and entertainment sources continue to fragment rapidly with many news providers (Apple, Google, Microsoft, etc.).
- We will continue to spend less on traditional broadcast TV and more on Cable and Digital TV.
- We will expand investment in social media digital ads knowing consumers spend more time on their phones immersed in their own digital "worlds and playgrounds". As a result, we will increase our number of "fans/followers" on Facebook and Instagram by using ads and video, as we post timely, relevant, interesting, and shareable content.
- We will continue to increase our partnership with Nextdoor targeting specific zip codes and focusing on neighborhoods with high prevalence of West Nile virus activity and where invasive mosquitoes are found.
- We will also incorporate more use of streaming radio.

#### **Television:** *(Broadcast, Cable, and Digital)*

- Television (broadcast, cable, digital) will still serve as a strong foundation of the media campaign and provide both the audio and visual aspect of the messaging strategy.
- As mentioned, the use of TV streaming will be increased as more people continue to consume this type of content.
  - *OTT (Over the Top) TV is the digital tool that especially helps us reach the audiences that have "cut their cords" and download their viewing content on an a la carte basis. Our commercials are "inserted" into this programming especially to those households within our target audience.*
  - *Devices such as Apple TV, Roku, Amazon Fire, Google TV/Chromecast, Smart TV's, and others provide access to all sorts of content through providers like Hulu, Prime, Max, Paramount, Peacock Disney+ and others. Most all of the content that is served on these new "networks" includes TV commercials that are "placed" in them.*
- Ethnically targeted TV will continue to be utilized with commercials produced in Spanish, Vietnamese, Hmong, Mandarin and Russian and run on the appropriate stations.
- Special TV sponsorships such as the "live Sac-Yolo promotions" during many River Cats broadcasts will be used again this year. In addition, we will continue to participate in as many "live studio news and informative segments" as possible.

- We will actively pitch media on a variety of news stories that can result in news coverage for the District.

**Radio:** *(Traditional and Streaming)*

- Radio spots and partnerships will remain an important element and include programming sponsorships, on-air appearances, interviews, and public service type announcements.
- We also negotiate a significant volume of bonus spot coverage to “fill in” any off weeks during each station’s flights.
- More **streaming** radio will be used this year.
  - *Streaming Radio is the Radio Industry’s digital version of OTT. It enables us to place targeted commercials through devices that are driven by “Alexa, Siri, etc.”. Some radio companies also now also offer commercial placement into their own proprietary platforms that offer a wide variety of music formats such as iHeart Radio, that may be included this year*
- Radio spots will also be used in English, Spanish, and Russian language options.
- Actively seek to participate in radio public affairs shows that offer the opportunity for deeper discussion on various mosquito control topics.

**Campaign Timeline:**

- The advertising campaign will debut during Mosquito Awareness Week in April as a kickoff to the season. Most of this media for this week is included “complementary” and is part of our value-added negotiations with our media partners.
- The first portion of our campaign will launch at the end of May (Memorial Day) knowing that this holiday is the first major outdoor weekend.
- The full launch of the campaign is mid-June when the weather starts to get warmer. July, August, and September are the peak months of the campaign, and it will extend into October to include messages specific to invasive mosquitoes.
- Heavier messaging is around Holidays - Fourth of July, National Night Out and Labor Day.

**Campaign Value-added:**

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

**Campaign Creative:**

In 2024, we produced eight new radio and television commercials in both English and Spanish, focusing on key messages. This year, we plan to produce additional commercials highlighting specific District services and the ongoing threat of invasive mosquitoes.

**Recommendation:**

**Approve the 2025 Advertising Plan not to exceed 380,000.**

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

## **February 18, 2025 Board Meeting**

### **5. Board Review and Consideration to Remodel the Laboratory Auxiliary Room**

#### **Staff Report:**

The District maintains a number of colonies on site and the need and space to do so has been limited over the past few years. The laboratory converted previous storage space into an Auxiliary Room (AR) as an additional overflow room to breed mosquito colonies that are used for many of the District's trials throughout the season. The AR also helps support the colonies that are being used for studies with outside agencies and educational institutions.

The original request from lab staff was to plumb a water spicket into the AR and add a drain. The current practice is to fill up multiple 5-gallon buckets to replace breeding pan water on a daily basis. The water has to be carried in and out of the room routinely which is inefficient and cumbersome.

During discussions about adding water and a drain to the AR it was noted that lab staff have limited storage space for their tools and other needed items in the room that help maintain the colonies. The current workstations in the AR are old desks that were repurposed to create a working table area but there is a lack of cabinets and sufficient work area on the desks.

The goal of this renovation is to not only add hot and cold water to the AR but also install cabinets and lab grade work surfaces as well as run additional power outlets along the workstations walls to power equipment such as microscopes and laptops used to enter data.

#### **Recommendation:**

**Approve the remodel of the Laboratory Auxiliary Room through Gordian, not to exceed \$150,000**

**Work Order Signature Document**

**EZIQC Contract No.: CA-R3-GB02-123021-NSC**

**New Work Order**       **Modify an Existing Work Order**

Work Order Number.: 136686.00      Work Order Date: 01/23/2025

Work Order Title: Sac-Yolo Mosquito & Vector Control District Lab Room Sink

Owner Name: Sac-Yolo Mosquito & Vector Control Dist Contractor Name: North Star Construction and Engineering, Inc

Contact: Steven Ramos      Contact: Zach Milner

Phone: (916) 405-2072      Phone: 530-682-6151

**Work to be Performed**

Work to be performed as per the Final Detailed Scope of Work Attached and as per the terms and conditions of Sourcewell EZIQC Contract No CA-R3-GB02-123021-NSC.

Brief Work Order Description:

Sac-Yolo Mosquito & Vector Control District Lab Room Sink

**Time of Performance**      Estimated Start Date:  
Estimated Completion Date:

**Liquidated Damages**      Will apply:       Will not apply:

**Work Order Firm Fixed Price: \$147,970.57**

Owner Purchase Order Number:

**Approvals**

\_\_\_\_\_  
Sac-Yolo Mosquito & Vector Control District      Date

\_\_\_\_\_  
Contractor      Date

**Detailed Scope of Work**

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**To:** Zach Milner  
 North Star Construction and Engineering, Inc  
 1282 Stabler Lane #630-109  
 Yuba City, CA 95993  
 530-682-6151

**From:** Steven Ramos  
 Sac-Yolo Mosquito & Vector Control District  
 8631 Bond Road  
 Elk Grove, CA 95624  
 (916) 405-2072

**Date Printed:** January 23, 2025

**Work Order Number:** 136686.00

**Work Order Title:** Sac-Yolo Mosquito & Vector Control District Lab Room Sink

**Brief Scope:** Sac-Yolo Mosquito & Vector Control District Lab Room Sink

Preliminary

Revised

Final

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The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

DSOW REV2 1/22/25:

Furnish and install single bowl sink in far Southeast corner of room.

Provide (1) ½” Hot and (1) ½” Cold water line.

Install Vent on exterior wall approx. 2’ above finish grade. Tie new 2” sewer waste line into existing sewer cleanout on East side of building.

Install 4” ABS sewer line on exterior with cleanout.

Restore all disturb areas to match existing conditions.

Remove and reinstall T-Bar ceiling tiles as needed for new water lines.

Demo and patch drywall as needed for new water, waste and vent lines.

Remove and dispose existing cabinets.

Install approx. 26’ LF of new Lab grade cabinets including: (1) sink cabinet at standing height, (2) standing height work stations, and (2) sitting height work stations.

All work stations to have bank of drawers.

All cabinets to be Lab grade material and install (1) full length Phenolic Resin Lab grade countertop (color to be Glacier White).

Install new wire mold track outlets on wall above new cabinets.

Submittals will required approval.

Proposal excludes:

Weekend or night work, hazardous material testing and /or abatement, design/engineering, shop drawings, and permitting.

Subject to the terms and conditions of EZIQC Contract **CA-R3-GB02-123021-NSC**.



**Detailed Scope of Work Continues..**

**Work Order Number:** 136686.00

**Work Order Title:** Sac-Yolo Mosquito & Vector Control District Lab Room Sink

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Contractor

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Date

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Sac-Yolo Mosquito & Vector Control District

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Date

## Contractor's Price Proposal - Summary

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Date: January 23, 2025

Re: IQC Master Contract #: CA-R3-GB02-123021-NSC  
Work Order #: 136686.00  
Owner PO #:  
Title: Sac-Yolo Mosquito & Vector Control District Lab Room Sink  
Contractor: North Star Construction and Engineering, Inc  
Proposal Value: \$147,970.57

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<b>Section - 01</b>	<b>\$10,904.06</b>
<b>Section - 02</b>	<b>\$3,092.24</b>
<b>Section - 03</b>	<b>\$543.94</b>
<b>Section - 07</b>	<b>\$52.44</b>
<b>Section - 09</b>	<b>\$9,278.58</b>
<b>Section - 12</b>	<b>\$84,184.22</b>
<b>Section - 22</b>	<b>\$14,762.07</b>
<b>Section - 23</b>	<b>\$5,372.11</b>
<b>Section - 26</b>	<b>\$3,532.48</b>
<b>Section - 31</b>	<b>\$11,554.61</b>
<b>Section - 33</b>	<b>\$4,693.82</b>
<b>Proposal Total</b>	<b>\$147,970.57</b>

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This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

# Contractor's Price Proposal - Detail

Date: January 23, 2025

Re: IQC Master Contract #: CA-R3-GB02-123021-NSC  
 Work Order #: 136686.00  
 Owner PO #:  
 Title: Sac-Yolo Mosquito & Vector Control District Lab Room Sink  
 Contractor: North Star Construction and Engineering, Inc  
 Proposal Value: \$147,970.57

Sect.	Item	Mod.	UOM	Description	Line Total
Labor	Equip.	Material	(Excludes)		
<b>Section - 01</b>					
1	01 22 16 00 0002		EA	Reimbursable Fees Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.	\$3,595.15
			Installation	Quantity 2,958.00 x Unit Price 1.00 x Factor 1.2154 = Total 3,595.15	
				Payment and Performance Bonds	
2	01 22 23 00 0881		DAY	3,500 PSI Pressure Washer With Full-Time Operator	\$1,104.47
			Installation	Quantity 1.00 x Unit Price 734.99 x Factor 1.5027 = Total 1,104.47	
				to pothole trenching area	
3	01 22 23 00 1395		DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	\$1,532.78
			Installation	Quantity 1.00 x Unit Price 1,020.02 x Factor 1.5027 = Total 1,532.78	
				to deliver materials.	
4	01 22 23 00 1449		DAY	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	\$1,501.35
			Installation	Quantity 1.00 x Unit Price 999.10 x Factor 1.5027 = Total 1,501.35	
				to pothole trenching area	
5	01 22 23 00 1457		WK	2,000 Gallon Water Truck With Full-Time Driver	\$3,659.41
			Installation	Quantity 0.50 x Unit Price 4,870.44 x Factor 1.5027 = Total 3,659.41	
				to support trenching and restoration	
6	01 22 23 00 1457 0039		MOD	For Equipment Without Operator, Deduct	-\$2,422.17
			Installation	Quantity 0.50 x Unit Price -3,223.76 x Factor 1.5027 = Total -2,422.17	
7	01 56 26 00 0005		LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	\$1,008.31
			Installation	Quantity 100.00 x Unit Price 6.71 x Factor 1.5027 = Total 1,008.31	
				temp fence for open trench	
8	01 56 26 00 0158		BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Includes placement and removal.	\$90.76
			Installation	Quantity 10.00 x Unit Price 6.04 x Factor 1.5027 = Total 90.76	
				for temp fence	
9	01 74 19 00 0014		EA	20 CY Dumpster (3 Ton) "Construction Debris" Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$834.00
			Installation	Quantity 1.00 x Unit Price 555.00 x Factor 1.5027 = Total 834.00	
				general debris	

**Contractor's Price Proposal - Detail Continues..**

**Work Order Number:** 136686.00  
**Work Order Title:** Sac-Yolo Mosquito & Vector Control District Lab Room Sink

**Subtotal for Section - 01** **\$10,904.06**

**Section - 02**

10	02 32 19 00 0006	EA	Hydro Excavation, Mobilization/Demobilization						\$240.57	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	160.09	1.5027		240.57		
			mob of potholing equipment							
11	02 41 13 13 0043	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving						\$214.22	
			Installation	Quantity	Unit Price	Factor	=	Total		
				24.00	5.94	1.5027		214.22		
			remove concrete for sewer line placement. 6' x 4' = 24sf							
12	02 41 19 13 0071	EA	Saw Cut Minimum ChargeFor projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.						\$1,393.27	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	927.18	1.5027		1,393.27		
			saw cut concrete at trench area.							
13	02 41 19 13 0280	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth						\$121.72	
			Installation	Quantity	Unit Price	Factor	=	Total		
				36.00	2.25	1.5027		121.72		
			dowel to existing concrete							
14	02 41 19 13 0333	EA	Core Drill Minimum ChargeFor projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".						\$1,122.46	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	746.96	1.5027		1,122.46		
			core drill drain line through wall							

**Subtotal for Section - 02** **\$3,092.24**

**Section - 03**

15	03 21 11 00 0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel						\$29.66	
			Installation	Quantity	Unit Price	Factor	=	Total		
				6.00	3.29	1.5027		29.66		
			dowel to existing concrete							
16	03 30 53 00 0007	CF	Hand Mix And Place ConcreteFor use where conventional equipment access is limited or when directed by the owner.						\$514.28	
			Installation	Quantity	Unit Price	Factor	=	Total		
				12.00	28.52	1.5027		514.28		
			replace concrete 6' x 4' x 0.5' = 12CF							

**Subtotal for Section - 03** **\$543.94**

**Section - 07**

17	07 84 13 19 0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)						\$52.44	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	34.90	1.5027		52.44		
			seal penetration in wall for drain pass through							

**Subtotal for Section - 07** **\$52.44**

**Contractor's Price Proposal - Detail Continues..**

**Work Order Number:** 136686.00  
**Work Order Title:** Sac-Yolo Mosquito & Vector Control District Lab Room Sink

**Section - 09**

18	09 01 20 91 0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match ExistingPer location.						\$2,809.45	
		Installation	Quantity	Unit Price	Factor	=	Total			
			120.00	15.58	1.5027		2,809.45			
			x	x						
			patch for waterline install and drain							
19	09 53 23 00 0020	SF	Removal And Reinstallation Of Acoustical Ceiling Tile And Grid , 2' x 2' Or 2' x 4'Suspension system tie wire, wall angles and bracing to remain in place.						\$5,373.66	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1,200.00	2.98	1.5027		5,373.66			
			x	x						
			remove and reinstall ceiling tile to install waterlines and modify outlets							
20	09 53 23 00 0020 0428	MOD	For Ceilings >10' High, Add						\$396.71	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1,200.00	0.22	1.5027		396.71			
			x	x						
21	09 91 23 00 0063	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls						\$182.58	
		Installation	Quantity	Unit Price	Factor	=	Total			
			150.00	0.81	1.5027		182.58			
			x	x						
			paint larger area than drywall patches.							
22	09 91 23 00 0063 0282	MOD	For >100 To 250, Add						\$56.35	
		Installation	Quantity	Unit Price	Factor	=	Total			
			150.00	0.25	1.5027		56.35			
			x	x						
23	09 91 23 00 0065	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls						\$349.38	
		Installation	Quantity	Unit Price	Factor	=	Total			
			150.00	1.55	1.5027		349.38			
			x	x						
			paint larger area than drywall patches.							
24	09 91 23 00 0065 0282	MOD	For >100 To 250, Add						\$110.45	
		Installation	Quantity	Unit Price	Factor	=	Total			
			150.00	0.49	1.5027		110.45			
			x	x						

**Subtotal for Section - 09** **\$9,278.58**

**Section - 12**

25	12 36 53 00 0092	SF	1" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges						\$7,071.71	
		Installation	Quantity	Unit Price	Factor	=	Total			
			104.00	39.84	1.5027		6,226.23			
		Demolition	104.00	5.41	1.5027		845.48			
			x	x						
			26lf of counter tops							
26	12 36 53 00 0095	LF	6" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop						\$820.47	
		Installation	Quantity	Unit Price	Factor	=	Total			
			26.00	17.76	1.5027		693.89			
		Demolition	26.00	3.24	1.5027		126.59			
			x	x						
			counter top back splash							
27	12 56 53 00 0007	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet						\$14,892.42	
		Installation	Quantity	Unit Price	Factor	=	Total			
			9.00	1,101.16	1.5027		14,892.42			
			x	x						
			cabinets to be supplied will be 41" depth to match existing. this does not exist in the catalog so we have combined open cabinet with drawer cabinets to create the custom depth.							

**Contractor's Price Proposal - Detail Continues..**

**Work Order Number:** 136686.00  
**Work Order Title:** Sac-Yolo Mosquito & Vector Control District Lab Room Sink

**Section - 12**

28	12 56 53 00 0026	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet						\$23,001.59	
			Installation	Quantity	Unit Price	Factor	=	Total		
				6.00	2,343.90	1.5027		21,133.07		
			Demolition	6.00	207.24	1.5027		1,868.52		
			cabinets to be supplied will be 41" depth to match existing. this does not exist in the catalog so we have combined open cabinet with drawer cabinets to create the custom depth.							
29	12 56 53 00 0038	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet						\$14,487.82	
			Installation	Quantity	Unit Price	Factor	=	Total		
				3.00	2,954.05	1.5027		13,317.15		
			Demolition	3.00	259.68	1.5027		1,170.66		
			cabinets to be supplied will be 41" depth to match existing. this does not exist in the catalog so we have combined open cabinet with drawer cabinets to create the custom depth.							
30	12 56 53 00 0058	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet						\$6,828.09	
			Installation	Quantity	Unit Price	Factor	=	Total		
				4.00	1,135.97	1.5027		6,828.09		
			cabinets to be supplied will be 41" depth to match existing. this does not exist in the catalog so we have combined open cabinet with drawer cabinets to create the custom depth.							
31	12 56 53 00 0075	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet						\$14,038.63	
			Installation	Quantity	Unit Price	Factor	=	Total		
				3.00	2,861.11	1.5027		12,898.17		
			Demolition	3.00	252.98	1.5027		1,140.46		
			cabinets to be supplied will be 41" depth to match existing. this does not exist in the catalog so we have combined open cabinet with drawer cabinets to create the custom depth.							
32	12 56 53 00 0117	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet						\$3,043.49	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	2,025.35	1.5027		3,043.49		
			cabinets to be supplied will be 41" depth to match existing. this does not exist in the catalog so we have combined open cabinet with drawer cabinets to create the custom depth.							

**Subtotal for Section - 12** **\$84,184.22**

**Section - 22**

33	22 11 16 00 0757	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe						\$31.80	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	10.58	1.5027		31.80		
			prepare tie into existing water lines.							
34	22 11 16 00 0900	LF	1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.						\$9,638.32	
			Installation	Quantity	Unit Price	Factor	=	Total		
				300.00	21.38	1.5027		9,638.32		
			new hot and cold waterlines							
35	22 11 16 00 0900 0185	MOD	For Type K Tubing Instead Of Type L, Add						\$680.72	
			Installation	Quantity	Unit Price	Factor	=	Total		
				300.00	1.51	1.5027		680.72		
36	22 11 16 00 0900 0190	MOD	For Work In Restricted Working Space, Add						\$2,236.02	
			Installation	Quantity	Unit Price	Factor	=	Total		
				300.00	4.96	1.5027		2,236.02		

**Contractor's Price Proposal - Detail Continues..**

**Work Order Number:** 136686.00  
**Work Order Title:** Sac-Yolo Mosquito & Vector Control District Lab Room Sink

**Section - 22**

37	22 13 16 00 0598	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps						\$75.59	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	50.30	1.5027		75.59		
38	22 13 16 00 0701	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe						\$21.43	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	7.13	1.5027		21.43		
39	22 13 16 00 0704	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe						\$40.51	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	13.48	1.5027		40.51		
			at existing clean out tie in point							
40	22 42 16 16 0015	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)						\$2,037.68	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	1,356.01	1.5027		2,037.68		
			New Single Bowl Sink							

**Subtotal for Section - 22** **\$14,762.07**

**Section - 23**

41	23 01 20 91 0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing						\$797.93	
			Installation	Quantity	Unit Price	Factor	=	Total		
				300.00	1.77	1.5027		797.93		
			disinfect waterline							
42	23 01 20 91 0040	EA	Shut Down Existing Interior Piping SystemIncludes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.						\$657.70	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	218.84	1.5027		657.70		
			shut down water lines for tie in.							
43	23 05 23 00 0123	EA	1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve						\$274.21	
			Installation	Quantity	Unit Price	Factor	=	Total		
				4.00	45.62	1.5027		274.21		
			new waterline valves							
44	23 05 23 00 0123 0333	MOD	For Work In Restricted Working Space, Add						\$61.55	
			Installation	Quantity	Unit Price	Factor	=	Total		
				4.00	10.24	1.5027		61.55		
45	23 05 93 00 0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing						\$3,580.72	
			Installation	Quantity	Unit Price	Factor	=	Total		
				2.00	1,191.43	1.5027		3,580.72		
			hydrostatic test waterlines							

**Subtotal for Section - 23** **\$5,372.11**

**Section - 26**

46	26 01 20 91 0003	EA	Lock Out/Tag Out Breaker Or Motor StarterExcludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).						\$50.45	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	33.57	1.5027		50.45		
			lock out breaker associated with electrical outlets							

**Contractor's Price Proposal - Detail Continues..**

**Work Order Number:** 136686.00  
**Work Order Title:** Sac-Yolo Mosquito & Vector Control District Lab Room Sink

**Section - 26**

47	26 01 20 91 0004	EA	Lock Out/Tag Out Padlock Device						\$14.02	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	9.33	1.5027		14.02		
			for lock out							
48	26 01 20 91 0007	EA	Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device						\$29.14	
			Installation	Quantity	Unit Price	Factor	=	Total		
				1.00	19.39	1.5027		29.14		
			trace outlets back to panel for lock out							
49	26 05 19 13 0010	EA	Dual, Direct Connected, Receptacle With Box						\$2,886.64	
			Installation	Quantity	Unit Price	Factor	=	Total		
				8.00	226.84	1.5027		2,726.98		
			Demolition	Quantity	Unit Price	Factor	=	Total		
				5.00	21.25	1.5027		159.66		
			install new outlet for wiremold at new counter heights and demo existing outlets							
50	26 05 19 16 0015	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit						\$398.68	
			Installation	Quantity	Unit Price	Factor	=	Total		
				0.36	736.97	1.5027		398.68		
			new wire for outlets							
51	26 05 33 23 0059	LF	3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)						\$153.55	
			Installation	Quantity	Unit Price	Factor	=	Total		
				26.00	3.93	1.5027		153.55		

**Subtotal for Section - 26** **\$3,532.48**

**Section - 31**

52	31 05 13 00 0002	CY	Bank Run/Fill Sand						\$542.92	
			Installation	Quantity	Unit Price	Factor	=	Total		
				11.70	30.88	1.5027		542.92		
			sand to cover sewer line 75lf x 3' w x 1' D = 8.3CY x 1.4 bulk = 11.7CY							
53	31 23 16 13 0007	CY	Excavation For Trenching By Hand In Soil Includes stockpiling excess materials and trimming sides and bottom of trench.						\$5,996.82	
			Installation	Quantity	Unit Price	Factor	=	Total		
				35.00	114.02	1.5027		5,996.82		
			exterior trench for sewer line 75lf x 3' w x 3' D = 25CY x 1.4 bulk = 35CY							
54	31 23 16 13 0011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand						\$1,665.67	
			Installation	Quantity	Unit Price	Factor	=	Total		
				35.00	31.67	1.5027		1,665.67		
55	31 23 16 13 0014	CY	Compaction of Fill or Subbase for Trenches by Hand						\$1,879.20	
			Installation	Quantity	Unit Price	Factor	=	Total		
				35.00	35.73	1.5027		1,879.20		
56	31 23 16 13 0017	CY	Load Excess Material by Hand for Removal from Excavation for Trenching						\$1,470.00	
			Installation	Quantity	Unit Price	Factor	=	Total		
				11.70	83.61	1.5027		1,470.00		

**Subtotal for Section - 31** **\$11,554.61**

**Section - 33**



**Contractor's Price Proposal - Detail Continues..**

**Work Order Number:** 136686.00  
**Work Order Title:** Sac-Yolo Mosquito & Vector Control District Lab Room Sink

**Section - 33**

57	33 01 10 58 0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method						\$1,326.58	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	882.80	1.5027		1,326.58			
			set up for waterline disinfection							
58	33 31 11 00 0019	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe						\$63.34	
		Installation	Quantity	Unit Price	Factor	=	Total			
			5.00	8.43	1.5027		63.34			
			drain pipe under sink							
59	33 31 11 00 0022	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe						\$2,029.25	
		Installation	Quantity	Unit Price	Factor	=	Total			
			80.00	16.88	1.5027		2,029.25			
			new drain pipe							
60	33 31 11 00 0053	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain						\$465.01	
		Installation	Quantity	Unit Price	Factor	=	Total			
			3.00	103.15	1.5027		465.01			
			for new drain pipe							
61	33 31 11 00 0085	EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain						\$166.24	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	110.63	1.5027		166.24			
			for new drain pipe							
62	33 31 11 00 0092	EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain						\$179.12	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	119.20	1.5027		179.12			
			for new drain pipe							
63	33 31 11 00 0133	EA	1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain						\$66.36	
		Installation	Quantity	Unit Price	Factor	=	Total			
			2.00	22.08	1.5027		66.36			
			for new drain pipe							
64	33 31 11 00 0136	EA	4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain						\$321.64	
		Installation	Quantity	Unit Price	Factor	=	Total			
			4.00	53.51	1.5027		321.64			
			for new drain pipe							
65	33 31 11 00 0158	EA	4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain						\$76.28	
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	50.76	1.5027		76.28			
			for new drain pipe							

**Subtotal for Section - 33** **\$4,693.82**

**Proposal Total** **\$147,970.57**

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

## Subcontractor Listing

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**Date:** January 23, 2025

**Re:** IQC Master Contract #: CA-R3-GB02-123021-NSC  
Work Order #: 136686.00  
Owner PO #:  
Title: Sac-Yolo Mosquito & Vector Control District Lab Room Sink  
Contractor: North Star Construction and Engineering, Inc  
Proposal Value: \$147,970.57

Name of Contractor	Duties	Amount	%
No Subcontractors have been selected for this Work Order		\$0.00	0.00

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

## **February 18, 2025 Board Meeting**

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

#### **Staff Report:**

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

The initial 5-Year Plan concluded in 2019, with several completed projects. The momentum was ongoing, however, and additional projects were added, resulting in the “rolling” 5-Year Plan that currently exists. This Staff Report is an informational summary detailing projects completed in 2024 and new and/or revised projects identified at year end 2024 for the Administration Department (including the Administrative, Information Technology, Geographical Information, Public Information, and Facilities Divisions), Control Operations Department (including the South Sacramento, North Sacramento, Woodland, Catch Basin, and Aedes Divisions), Ecological Management Department, Biological Control (Fisheries) Department, Laboratory Department, and the Mechanical Innovation (Shop) Department.

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

## **Summary by Department/Division:**

### **Administration Department / Information Technology Division**

Information Technology Administrator: Dan Fisher

Number of employees: One (1) Full-Time

The IT department made significant strides in 2024 and plans to continue improvements into 2025 in several key areas. The most significant project was assisting the Administration department in transitioning both physical office spaces to and from the temporary location during the remodel, and with the software change from Sage to NEOGOV payroll solutions. Business continuity was improved by doubling storage and backup capacity at both office locations, installing Starlink satellite internet at the Elk Grove office, and increasing battery backup for critical equipment. Cybersecurity was enhanced with the deployment of BitDefender GravityZone and the implementation of NinjaOne for remote management and security updates. Mobile communication saw a major upgrade with new iPhone 16 devices, which will be deployed to all staff by Q1 2025 with satellite messaging for improved safety in remote areas and projecting over \$100,000 in service plan savings over the next four years. The department assisted the Control operations department in developing plans to upgrade ULV flow control systems to iPads with new software and hardware in 2025. Website accessibility was addressed in 2024 with the addition of an ADA compliance tool and ongoing auditing of PDF documents, expected to be completed in Q1 2025.

Projects that were delayed but will continue through 2025 include upgrading email notification systems with multiple zip code options to complete before ULV notices begin in Q2 2025. Server software upgrades will continue over Q2-Q3 with all servers upgraded by Q4. AppSheet mobile application in-house development continues for various departments and functions to improve workflow efficiency and data management, and in Q1 will incorporate time and attendance upgrades to assist the Admin department and supervisors in managing accrual change requests. With all the new software changes including payroll processing, the IT Department has initiated a district wide documentation project to create video training guides for critical tasks to assist with business continuity to be completed by Q4.

In 2025 the IT department will hire a seasonal assistant, and expects to request a full time assistant responsible for help desk requests to be added to the FY 2025-2026 budget.

### **Administration Department / Geographic Information Systems Division**

Geographic Information Systems Coordinator: Ruben Rosas

Number of Employees: One (1) Full-Time

The GIS department will continue to improve the accuracy of the District's organic database using the most up-to-date data. The GIS department continues communication with local Agriculture Departments and the California Department of Food and Agriculture on how the organic database is compiled and suggestions on how to alleviate historic organic sites. The project is expected to continue until 2026. The GIS Department has improved the utilization of UAS survey techniques and guided the Ecological Department on Best Management Practices such as ditch creation and terrain analysis. Ongoing work will continue to compare UAS survey methods to traditional laser surveys and investigate the efficiency of both workflows. The GIS Department began analysis on-site inspections, chemical usage and mosquito source evaluations to investigate the workload for each zone. The goal of the project is to reassess active mosquito sources and review historical treatments to determine if some sites should be removed from the District's database. This upcoming project will evaluate existing zone

boundaries and the possibility of zone restructuring. Ongoing work will continue in 2025 and will possibly continue into 2026.

### **Administration Department / Public Information Division**

Public Information Officer: Luz Maria Robles

Number of Employees: One (1) Full-Time

The District's public information and education department strives to raise awareness of mosquitoes and other vector borne diseases using an integrated approach which incorporates a variety of elements including extensive advertising campaigns, public outreach at various community events, media relations, outreach to local elected officials and a school program including classroom presentations and assemblies.

As invasive *Aedes* mosquitoes continue to spread throughout our region in 2024, a key priority for 2025 will be to enhance communication about the ongoing threat these mosquitoes pose and provide resources to help residents stay protected. Efforts will include targeting specific neighborhoods with Nextdoor social media posts and attending community events in affected areas to engage directly with residents. We will also maintain and expand partnerships with nurseries and garden clubs, offering presentations at their meetings and participating in events to share prevention strategies for invasive mosquitoes.

In 2024, market surveys were conducted to evaluate the effectiveness of recent public information campaigns. In 2025, these survey results will be used to refine and improve the Fight the Bite advertising campaign. Additionally, plans are underway to conduct a second survey focused on topics like drone use and sterile insect techniques for controlling invasive mosquitoes.

In 2025 we plan to strengthen our connections with schools by growing our assemblies program. A new initiative will involve collaborating with schools that host annual science fairs, where we will set up educational booths featuring a "lab" section. This interactive space will include microscopes, allowing children to explore the mosquito life cycle, ticks, and other insects up close.

In 2025, we will also focus on building partnerships with city and county agencies, such as 311 services, Parks and Recreation, and code enforcement. Additionally, we aim to collaborate with community organizations, such as the organizers of 5K and 10K runs, to provide repellent and educational materials to participants, as well as with Boy and Girl Scouts clubs for outreach opportunities.

This year we plan to hire a seasonal employee dedicated to public information and education. Their responsibilities will include assisting with community event registrations, creating short videos and social media content, expanding our photo/video library for use on social media platforms, District website, annual report, and other materials.

### **Administration Department / Facilities Division**

Overseen by Assistant Managers: Steve Ramos and Tony Hedley

Projects for the front office administration area and the workstations for staff were started and completed in 2023/2024. Work areas for department heads such as PIO, Program Coordinator and Eco were completed in the staff area of the main building at the Elk Grove office location. The front office redesign was also completed at the end of 2024. The redesign created more separate workspaces and utilized the size and layout of the existing office more efficiently than the previous design. Crews at the Elk Grove worksite completed a thorough tree trimming on large trees that began to hang over the walking path on the West side of the property as well as removed hazardous tree limbs hanging

over the fisheries building. Investigations regarding the expanded parking structure near the pole barn will continue into 2025, alternatives to building a new parking structure are now also being explored. This project is expected to be resolved in 2025/2026. The evaluation and usefulness of more modular buildings are still being explored, although efforts on this project have slowed with the expansion of workspace in the front office. In 2024, the District reached an agreement with Enterprise Fleet Management to lease a total of 66 new vehicles to replace many of the Districts' aging fleet. The decision to continue to lease or purchase the 2025 vehicles outright will be determined in year 2 or 3 of the lease depending on vehicle equity gained. Upgrades to the labs Auxiliary room are being bid in 2025, the bids include an additional sink, plumbing and new countertops, workspaces and cabinetry to be added to the auxiliary room. Bids are ongoing for the Woodland facility tree trimming that cannot be performed in-house due to the proximity of power lines to the overgrown trees. This project will be completed in 2025.

### **Administration Department / Administrative Division**

Manager: Gary Goodman

Assistant Managers: Tony Hedley and Steve Ramos

Administrative Manager: Lisa Pelletier

Number of Employees: Seven (7) Full-Time

This last year brought significant progress in modernizing operations, including the successful migration to new accounting software, leading to improved reporting, accuracy, and user proficiency. Audits have become more efficient, with the 23-24 audit completed in just two months due to increased experience and better process comprehension. The front office remodel was completed in 2024 and has enhanced professionalism, organization, and workspace functionality. Additionally, the adoption of the NeoGov platform has streamlined benefits, timekeeping, and payroll. The admin team has also embraced a mission statement: *Serving the People who Serve the People*. Looking ahead, the five-year plan focuses on stabilizing, optimizing, and innovating operations. The first year will define workflows and redistribute workloads to promote strategic growth and work-life balance. Year two aims to streamline processes for efficiency, while year three will reinforce accountability and professional development. By year four, the focus will shift to expanding employee services and collaboration with the District's PIO for support and workflow efficiencies, and in year five, efforts will be directed toward driving innovation through enhanced technology and comprehensive support, strengthening the organization's mission to serve and protect public health.

### **Control Operations Department**

**North Sacramento Division / South Sacramento Division / Woodland Division**

**Catch Basin Division / Aedes Division**

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

Number of Employees: 38 Full-Time

In Control Operations, As we face increasing restrictions on fuel-driven sprayers, we are assessing the use of all-electric backpack sprayers for field operations. We are also evaluating the need for additional ATV spray equipment for both ULV and liquid applications. With the growing adoption of advanced ULV techniques, such as AM ULV and expanded backpack ULV, our focus will shift toward exploring quieter, more efficient electric units. Additionally, we are evaluating the zone boundaries due to the growing population of multiple municipalities. The pool program for Sacramento County now utilizes an in-house mobile app for managing pool appointments. The app allows the convenience of assigning pool appointments to technicians, eliminating the previous

paper system. Appointments are easily tracked and can be reassigned to different technicians as needed. Furthermore, the statuses of pools are recorded and aid in monitoring the effectiveness of the program.

The Urban Operations Program continues exploring alternative treatment products available to optimize early morning WALs treatments using A-1 mist blowers. As service requests for invasive Aedes mosquitoes rise, the program is shifting from a focused door-to-door approach to a surveillance and service request-based strategy that incorporates early morning WALs and ULV treatments as needed. Additionally, the program is enhancing its existing custom mobile app with a mapping grid to improve data collection and operational efficiency.

The Catch Basin Program continues to make use of its in-house mobile application for collecting all storm drain treatment, inspection, and sampling data for the third year since transitioning from paper utility maps. As new construction across Sacramento and Yolo counties continues to expand and evolve our service area, we consistently update storm drain element locations and add to our growing database. Additionally, our larvicide efficacy examinations continued for the fourth year and continue to provide real-time residual life for the products we use in our District's local context. The broader application of this program's digital platform continues to expand to all departments in various forms to integrate data recording and communication in a way that is visible to all employees.

### **Ecological Management Department**

Ecological Management Supervisor: Kevin Combo

Number of Employees: Three (3) Full-Time

The Ecological Management Department (Eco) has continued to pursue drone photogrammetry as a tool in assessing the size and impact of many mosquito breeding sites. Staff utilized drone aerial photography during Fall Flooding to assist staff in discerning the size of area to treat and in billing for the recuperation of costs affiliated with early fall flooding of wetlands. Staff in coordination with the District's GIS Dept. will continue to evaluate the use of drones to conduct aerial terrain analysis and gradient elevation measurements as a way to become more efficient during site evaluations and Best Management Practices (BMP) excavation projects. (2025-2028)

The Eco department has also continued to explore retrofitting of available equipment. Staff in partnership with the District shop supervisor continue to investigate and stay apprised of the ever-changing California Air Resources Board (CARB) regulations that affect District heavy equipment and fleet status. This will be an ongoing effort to make sure that the District stays in compliance. This evaluation will be ongoing in the years (2026-2029).

The Ecological Management Department is evaluating the most effective approach to implement BMPs and incorporate them into the District's Best Management Practices Program. On an ongoing basis, Staff in coordination with Control Operations will assess potential BMPs that can be implemented in areas that have high West Nile Virus (WNV) cases and areas of high concern for disease transmission. (Ongoing)

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

The Ecological Management Department will evaluate the need for additional earth moving equipment (excavator series) to implement mosquito reducing BMPs. Staff will

evaluate the cost differentials of buying vs. renting equipment to perform BMP projects. (2025-2026)

Ecological Management staff in coordination with the Program Manager will explore the use of primary herbicides as an effective tool to reduce emergent vegetation in mosquito breeding habitats and reduce the frequency of vegetation control via mechanical means. Over the next few seasons, Ecological Management staff will evaluate historical sites that have had bi-annual vegetation control via mechanical means and will apply herbicides to discern if herbicide applications are an alternative tool that can be used in vegetation management in an effort to reduce technician time and decrease equipment deterioration and maintenance. (2026-2028)

Ecological Management staff in coordination with the California Department of Fish and Wildlife (CDFW) will evaluate vegetation control within wetland habitats. Staff will study the efficacy of joint grass discing and mowing regarding mosquito breeding habitat and larval abundance in wetlands in the Yolo Bypass Wildlife area. Staff will continue to observe the effects of herbicide treatments to control invasive emergent vegetation such as floating primrose (*Ludwigia hexapetela*) and water hyacinth (*Eichhornia crassipes*) in water conveyance systems. (2025-2027)

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

### **Mechanical Innovation/Shop Department**

Shop Supervisor: Robert Fowler

Number of Employees: 3 full-time

In 2024, the shop successfully outfitted a new Can-Am UTV for Yolo County. Moving forward in 2025, an evaluation will be conducted to assess the need for replacing the aging ATV fleet due to rising maintenance costs and limited parts availability. The District has also started replacing a significant portion of its fleet, with 24 new Nissan Frontiers received and 14 already assigned to lab staff, along with several allocated to Urban and North Sacramento operations.

Additionally, the shop is preparing 60 surplus vehicles for auction and coordinating surplus equipment approvals. Ongoing collaboration with our Fleet Management team ensures compliance with vehicle emissions regulations and keeps the District informed on future EV implementation plans.

### **Biological Control Department (Fisheries)**

Fisheries Supervisor: Kenneth Harris

Number of Employees: Three (3) Full-Time

The Biological Control (Fisheries) Department aims to enhance mosquitofish (*Gambusia affinis*) production by expanding predatory exclusion netting across all District ponds. Recent netting efforts have significantly increased production, making further expansion a priority. However, concerns about genetic diversity have led to plans for a Fish Exchange Program with Southern California districts to introduce new genetic stocks. Facility upgrades are also a focus, including electrical infrastructure improvements, backup power sources, and security enhancements. To boost transfer and holding capacity during peak season, the department is exploring larger transport tanks, summer holding tanks, guppy culture tanks, and quarantine tanks.



Public outreach efforts will be strengthened by distributing informational materials at stores selling water features. Additionally, the department plans to develop fisheries applications for improved data management and implement a 3D-printed automated fish feeder to enhance feeding efficiency. These initiatives collectively aim to improve fish production, infrastructure, and operational efficiency.

### **Laboratory Department**

Laboratory Director: Sarah Wheeler

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

Number of Employees: 12 Full-Time

The laboratory has used Mapvision as the primary data management system since 2021 and is exploring other options for data management and visualization. The molecular laboratory space and equipment were recently upgraded and are performing well. In 2025, the Laboratory will continue assessing adult and larval insecticide resistance in both *Culex pipiens* and *Culex tarsalis*. Resistance data is used to select effective products and is uploaded into CalSur to be used as a resource for the vector control community. Insecticide resistance testing requires the rearing of field-collected mosquitoes. These are kept separately from our maintained colonies.

Currently, an old office space equipped with shelves and climate control is utilized, but infrastructure improvement to the space including a sink and workspace would greatly improve the workflow. Since the introduction of *Aedes aegypti* into Sacramento County in 2019 the District has investigated the suitability of a sterile insect program.

Commercial options are now available for both irradiated and Wolbachia infected males and we are exploring options for controlling *Aedes aegypti*. Lastly, the Laboratory will continue to assess staffing needs as workflow continues to evolve now that *Aedes aegypti* is established within District boundaries.

### **Summary of Projects Completed in Previous Years**

#### **Projects completed in 2024**

- Front office/Admin department remodel
- Molecular lab equipment upgrade
- 3 netted ponds added to District Biological Program
- The Ecological Department added Massey Ferguson MF4710 Tractor to fleet
- Enhanced *Aedes aegypti* communication implementation (ongoing)
- Cybersecurity upgrades were implemented (Bitdefender and Ninjaone)
- Communication upgrades with implementation of new iPhones District wide
- UAS Survey techniques used (ongoing)

#### **Projects completed in 2023**

- Example - Completed WALs Route Folder for travel path reference
- Targeted education materials to communities with invasive *Aedes*
- Attended response events in cities with invasive *Aedes*
- Red Shoe assemblies in schools. There will be 25 assemblies in 2024
- Incorporated more information on invasive mosquitoes in our event booth
- The GIS Department created a web-based map that allows staff to access the California Natural Diversity Database (CNDDDB).
- The GIS Department coordinated with IT and field supervisors to utilize NearMap imagery to verify the condition of known neglected swimming pools.

- The GIS Department used remote sensing techniques including Drone terrain surveys for BMP ditch construction and fall flooding inspections.
- Heat maps were created by the GIS Department and the Invasive Aedes Department by working together to analyze the detections and spatial distribution of invasive populations.

### **Projects completed in 2022**

- Agreement with RedShoe Productions for School program assemblies (ongoing)
- The creation of a finalized aerial adulticide block menu for easy reference and communication between departments

### **Projects Completed in 2021**

- A new vehicle bay was constructed behind the Fisheries building to alleviate congestion in the main vehicle garage.
- New larvicides and larvicide applications were investigated to improve efficiency in the field.
- The fire suppression system was upgraded to include internal chimes.
- Implemented Mapvision in the Laboratory.
- Expanded the fleet with both trucks and specialty vehicles.
- Finalized a catalog of rural aerial adulticide blocks to make air orders more efficient.

### **Projects Completed in 2020**

- Virus testing has been brought in house through a successful remodel
- Improved understanding of mistblower larvicide applications for Aedes control
- Improvements to the lab BSL 2 facility and colony space have been made
- New employee onboarding and training have been moved on-line
- Forward movement with Mapvision including enhancements to the lab module and development of iPad application
- Installation of a gate opening system for enhanced security
- The District has started using presentations at school assemblies to spread information more efficiently

### **Projects Completed in 2019**

- The new District website was implemented with the addition of the children's education page.
- Numerous larval and adult mosquito control products and application methodologies were tested with some being integrated into District operations.
- The District became certified to apply pesticides via Unmanned Aerial Systems.
- The Shop designed and built interchangeable mounts to rapidly switch ATVs between larvicide and adulticide applications.
- With the *Aedes aegypti* detection in Citrus Heights, the Lab has implemented an expanding surveillance program as well as started looking at product efficacy against this species of mosquito.
- The Fisheries department is investigating increasing the yield and quality of fish through the incorporation of aeration technologies.

**Recommendation:**  
**Information Only**

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

**February 18, 2025 Board Meeting**

7. **Closed Session- Consideration and Appointment of Bargaining Team (Gov. Code s. 54957 (b)(1))and Provide Instruction to Designated Labor Representatives (Government Code Section 54957.6-Labor Negotiations)**