



SACRAMENTO COUNTY

8631 Bond Road
Elk Grove, CA 95624

January 18, 2023

(800) 429-1022
www.FIGHTtheBITE.net

Gary Goodman
General Manager

Board of Trustees
Sacramento-Yolo Mosquito & Vector Control District
8631 Bond Road
Elk Grove CA 95624

2022 Board of Trustees

Marcia Mooney
President, Galt

Dear SYMVCD Board Member:

Gar House
Vice President, Winters

Enclosed is the Board Packet for the meeting of the Board of Trustees of the Sacramento-Yolo Mosquito and Vector Control District to be held on **Tuesday, January 24, 2023 at 10:00 a.m.** This meeting will be held **both** by video teleconference and in person at the District Office located at 8631 Bond Road. Please visit the link below to register for the meeting and let me know if you have any questions.

Sean Denny
Secretary, Woodland

<https://us02web.zoom.us/meeting/register/uJAuc-2uqzMpWrWyEailDwjQ0m2WpfJFGw>

Christopher Barker
Davis

Craig R. Burnett
Folsom

Sincerely,

Janell Darroch
West Sacramento

A handwritten signature in blue ink, appearing to read "Gary Goodman", is written over the printed name of Gary Goodman.

Charles Duty
Sacramento County

Bruce Eldridge
Yolo County

Gary Goodman
Manager

Lyndon Hawkins
Elk Grove

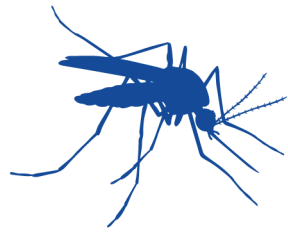
Encl.

Jayna Karpinski-Costa
Citrus Heights

Raymond LaTorre
Sacramento

Robert J. McGarvey
Rancho Cordova

Staci Gardiner
Isleton



Sacramento-Yolo
MOSQUITO & VECTOR
CONTROL DISTRICT

JANUARY 24, 2023

BOARD OF TRUSTEES
SPECIAL MEETING

BOARD PACKET

10:00 A.M.

8631 BOND ROAD
ELK GROVE, CA 95624

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

8631 Bond Road
Elk Grove, CA 95624

**AGENDA
January 24, 2023
10:00 AM**

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

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

CALL TO ORDER:

- **Roll Call**
 - **Pledge of Allegiance**
1. **Board Review and Consideration to Authorize the Board Meeting be Conducted by Teleconference**
 2. **Items for Approval by General Consent:**
 - a. **Minutes of the December 20, 2022 Board of Trustees Meeting**
 - b. **Expenditures for December 2022**
 - c. **Board Review and Consideration of District Annual Safety Committee Report**
 3. **Opportunity for Public Comment**

This item is reserved for members of the public who wish to speak on items not on the agenda
 4. **Reports to the Board**
 - a. **Manager's Report**
 - b. **Written Reports from District Departments**
 - **Lab/Surveillance**
 - **Ecological Management**
 - **Biological Control**
 - **Larval and Adult Control**
 - **Public Outreach**
 - c. **Oral Reports from District Departments**
 - **Administration-Assistant Managers**
 - **Field Supervisors**

- South Sacramento
- Catch Basin
- Aedes
- Information Technology
- Shop

5. **Closed Session-Public Employee Performance Evaluation (Gov. Code § 54957): Manager**
6. **Board Consideration and Approval of District Officers for President, Vice President, and Secretary, and Delegating the Manager to Perform the Responsibilities of the Secretary**
7. **Board/Staff General Discussion**
8. **Adjournment**

Sacramento-Yolo Mosquito and Vector Control District

January 24, 2023 Board Meeting

1. Board Review and Consideration to Authorize the Board Meeting be Conducted by Teleconference

Staff Report:

Consider finding by a majority vote under Gov. Code § 54953, subd. (e)(1)(B) that as a result of the COVID-19 emergency: (i) meeting in person would present imminent risks to the health or safety of attendees; and (ii) the meeting is authorized to be held by teleconference pursuant to Gov. Code, § 54953, subd. (e)(1)(C).

In light of the Governor's declaration that a state of emergency exists due to the incidence and spread of the novel coronavirus, and the pandemic caused by the resulting disease COVID-19, the Board should consider whether meeting in person would present imminent risks to the health or safety of meeting attendees.

The Centers for Disease Control indicates that COVID-19 is a highly transmissible virus that is spread when an infected person breathes out droplets and very small particles that contain the virus, and such droplets and particles are breathed in by other people.¹

Conducting meetings by teleconference would directly reduce the risk of transmission among meeting attendees, including members of the public and agency staff, which has the ancillary effect of reducing risk of serious illness and death as well as reducing community spread of the virus.

If the authorization to meet by teleconference is not approved by a majority vote, then the meeting will adjourn after this item and the remaining agenda items will be rescheduled to a future in-person meeting.

This authorization will be in effect for 30 days from approval.

Recommendation:

Move that the board find that, as a result of the COVID-19 emergency, meeting in person would present imminent risks to the health or safety of attendees, and the meeting should be held by teleconference as authorized by subdivision (e)(1)(C) of section 54943 of the Government Code.

¹ www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/how-covid-spreads.html

Sacramento-Yolo Mosquito and Vector Control District

January 24, 2023 Board Meeting

2. Items for Approval by General Consent:

- a. Minutes of the December 20, 2022 Board of Trustees Meeting;
- b. Expenditures for December 2022
- c. Board Review and Consideration of District Annual Safety Committee Report

Recommendation:

Approve the Items by General Consent

**MINUTES OF THE DECEMBER 20, 2022
MEETING OF THE BOARD OF TRUSTEES OF THE SACRAMENTO-
YOLO MOSQUITO & VECTOR CONTROL DISTRICT**

Location: Virtual Meeting via Zoom / In Person @ 8631 Bond Rd, Elk Grove, California
Time: 10:00 a.m.

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

Trustees Present:

Marcia Mooney	President	Galt
Gar House	Vice President	Winters
Sean Denny	Secretary	Woodland
Christopher Barker		Davis
Craig Burnett		Folsom
Janell Darroch		West Sacramento
Charles Duty		Sacramento County
Bruce Eldridge		Yolo County
Lyn Hawkins		Elk Grove
Jayna Karpinski-Costa		Citrus Heights
Raymond LaTorre		Sacramento
Robert McGarvey		Rancho Cordova
Staci Gardiner	Absent	Isleton

Staff Present:

Gary Goodman	Manager
Jeni Buckman	Legal Counsel
Steve Ramos	Program Coordinator
Tony Hedley	Fisheries Supervisor
Luz Robles	Public Information Officer
Marty Scholl	Ecological Management Supervisor
Rebecca Lane	Administrative Manager
Mario Novelo Canto	Lab Biologist
Kara Kelley	Lab Microbiologist
Debbie Dritz	Lab Vector Ecologist
Kevin Combo	Control Ops, North Sacramento Field Supervisor
Brett Day	Control Ops, North Yolo Field Supervisor
Will Hayes	Control Ops, South Yolo Field Supervisor
Ruben Rosas	GIS Coordinator
Dan Fisher	IT Administrator

Roll Call

This meeting was both in person and by video teleconference. Attendance was taken by Roll Call. All Trustees aside from Trustee Gardiner were in attendance and a quorum was present.

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 Review and Consideration to Authorize the Board Meeting be Conducted both In-Person and by Teleconference

On a motion by Trustee Hawkins and seconded by Trustee Denny, the Board voted to approve this item. The vote was taken by roll call and the motion passed by the following votes: Ayes: 12, Noes: 0, Absent: 1

2. Items for Approval by General Consent

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

- a. Minutes of the November 15, 2022 Board of Trustees Meeting
- b. Expenditures for November 2022
- c. District Investment Report for Period Ending September 30, 2022
- d. Board Review and Consideration of Legal Services Agreement Effective January 1, 2023

3. Opportunity for Public Comment

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

Felix Huerta, business representative for OE3, provided public comment on the recent arbitration hearing between the District and OE3.

4. Reports to the Board

Manager's Report: General Manager Gary Goodman gave an update on the year end activities including training, maintenance, and preparations for the upcoming 2023 mosquito season. He discussed the MVCAC planning session and the focus on strategic planning for the association and the function of the committee structure and goals. Staff is working on updates to the five year plan and will present them at a future meeting. The District is finalizing the audit and will present the findings at a future meeting.

Reports from District Departments: Written reports were provided in the Board packet from each department. Department supervisors gave an oral presentation and were available to answer any questions.

Administration

Rebecca Lane, Administration Manager:

The Administration Department consists of three (3) full-time employees: (1) Administrative Manager, (2) Sr. Administrative Assistant, and (3) Administrative Assistant. Our full-time team is supplemented with a Seasonal Helper during mosquito season. The Administration Department handles the District's Financial Operations (i.e., accounts payable, accounts receivable, etc., including a contract bookkeeper) as

well as Human Resources, including payroll and benefits. The Administration Department staff continues to operate under a flexible, remote work schedule. Some notable tasks completed during 2022 include FSA renewal, Open Enrollment for 2023, and supporting the recruitment and onboarding of ten (10) permanent full time employees. Two major goals identified for 2023 include an update of the Personnel Manual and identifying and transitioning administrative tasks, currently being handled by operational supervisory staff, with the intention of creating additional operational capacity and administrative clarity and efficiencies.

Lab/Surveillance:

Mario Novelo Canto, Lab Biologist:

As the Districts Lab Biologist I am involved in various product and application method testing. In coordination with control operations the goal is to answer efficacy and operational issues associated with product usage. One District trial assessed the levels of mosquito control deriving from the application of the Natular DT in an artificial yard drain system. An aerial application trail was also performed in the 2022 season, testing the application efficacy between drone and plane, using VectorBac GS in a 100 acre rice block that constantly meets treatment criteria. Finally, for the last project, Sac-Yolo MVCD is currently testing the Senecio automated identification and pooling machine. It uses artificial intelligence and image processing to automatically classify and sort mosquitoes. We are currently collecting training data to strengthen mosquito identification algorithms so that all of the most common mosquito species present in the Sacramento and Yolo counties can be identified.

Kara Kelley, Lab Microbiologist:

The Lab performs tick surveillance for *Borrelia burgdorferi*, the causative agent of Lyme disease, each year from November through May when the local vector *Ixodes pacificus* is most active. There are twenty established tick collection sites in Sacramento and Yolo Counties which are surveyed once per month. In 2022, excluding the month of December, 238 pooled collections of *Ixodes pacificus* were tested for *Borrelia burgdorferi*, of which 17 were positive. Beginning in mid-April, surveillance efforts shifted to West Nile virus (WNV). As part of our surveillance program, the laboratory maintains five flocks of sentinel chickens. Samples are collected and tested every two weeks for WNV, St Louis Encephalitis virus, and Western Equine Encephalitis virus. In 2022, we detected a total of nine WNV positive chickens: three from Knights Landing, five from Isleton, and one from Gibson Ranch. Collection and testing of dead birds is another part of our WNV surveillance program. This year the District tested 345 dead birds and 64 tested positive for WNV. This was a positivity rate of 18.5% which was a reduction from 23.0% in 2021. The last component of our WNV surveillance program is collection and testing of mosquitoes. In 2022, we tested a total of 5,385 samples with 106 samples testing positive for WNV, this is a positivity rate of 2.0% which is lower than the rate of 2.76% observed in 2021. The Microbiologist will continue to serve on the MVCAC Laboratory Technologies Committee for 2023.

Debbie Dritz, Lab Vector Ecologist:

In 2022, the Laboratory conducted 3,137 trap nights for West Nile virus surveillance. This program continues to take the majority of the Labs' surveillance efforts during the summer season. However, we also continued to carry out trapping for *Aedes aegypti* to provide support to our Aedes department and to monitor the spread of invasive mosquito species in Sacramento and Yolo. We conducted 2,442 trap nights using overnight BG Sentinel (BG-S) traps throughout Sacramento and Yolo counties and 3,914 trap nights at 20 permanent BG-S set in proximity to known infestations. Of particular note, *Aedes albopictus* was found for the first time in our District during the

2022 season. The first detection was 1 female on 9/30/22 in the Natomas area. A total of 3 adults were collected in BG-S traps at this location through 11/4/22. A much larger infestation was detected in Carmichael on 10/14/22. A total of 67 females and 5 males were collected in BG-S traps through 10/20/22.

The Lab continued to implement approaches to increase the efficiency of our surveillance efforts. This season we added 10 out of a total of 24 weekly abundance traps to our EVS surveillance trap runs. This reduced the time it took to do our mosquito abundance trapping from three to two days, making abundance results available earlier in the week. Mosquito resistance testing for 2022 focused on collecting as many *Culex pipiens* as possible from urban sites and *Culex tarsalis* from rice growing areas. Our goal was to perform paired benchtop cup bioassays on larvae and bottle bioassays on adults from each population. Because of the drought and subsequent reductions in water allotments to farming, rice acreage was limited. We performed bioassays on four *Cx. tarsalis* populations and eight *Cx. pipiens* populations. Larvae of each wild population were tested against methoprene and spinosad. Adult mosquitoes were tested against naled, malathion, deltamethrin and permethrin. Results will be presented at the 2023 annual meeting of the American Mosquito Control Association. Debbie will continue to serve on the MVCAC Integrated Vector Management Committee in 2023.

A break was taken from 11:10am and called back to order by Board President Marcia Mooney at 11:19am. Oral presentations resumed.

Control Operations

Kevin Combo, North Sacramento Field Supervisor:

Kevin shared a video of his team of seven (7) full time technicians and one (1) seasonal in action. Technicians saw an increase in total # of unmaintained swimming pools in 2022 compared to 2021. Staff completed 1808 inspections in 2022 in comparison to 1546 inspections in 2021. This is approximately a 17% increase. In north Sacramento, field technicians responded to 1149 Service requests in 2022. 743 for mosquito populations, 342 for mosquitofish plants and 64 service requests for yellow jacket and wasp control. The area showed to be busy with a total of 63 West Nile Virus positive occurrences, 25 responses to positive pools, 36 responses to WNV positive birds and 2 radiuses in response to WNV positive humans. Staff conducted 43 Ultra Low Volume (ULV) treatments in an effort to break transmission cycles. Staff also conducted 7 radiuses for Malaria and 1 radius for Dengue fever. All of these detections are presumed travel related. Technicians maintained 80 yellow jacket traps in 8 Northern Sacramento zones, 10 traps were assigned per zone to reduce yellow jacket colonies in Sacramento County. We were successful in trapping 1407 queens in the spring months and approximately 10120 workers in the summer and fall. Staff also located and treated over 120 nests along the American River corridor at the height of the nesting season.

Brett Day, North Yolo Field Supervisor:

In the 2022 season, the five (5) North Yolo technicians inspected and monitored 3,000 acres of conventional rice and 1,500 acres of organic rice on a bi-weekly rotation with South Yolo County. Irrigated rice fields began producing mosquito larvae in mid-May and the first aerial larvicide treatment for rice was turned into Farm Air Flying service on May 24th of this year and treatments continued until mid-October. North Yolo technicians responded to 54 service requests for the 2022 season and catch basins were monitored and treated throughout the summer, as needed. Drought conditions impacted the amount of fall flooding in North Yolo county reducing the overall acreage of Wetland and Duck Club habitat technicians were still on a rotation of inspections in

these areas and kept an open line of communication with landowners and property managers.

Will Hayes, South Yolo Field Supervisor:

The South Yolo team consists of six (6) full time technicians. The lack of rain contributed to a slow start to the 2022 season. Springtime flooding was minimal due to available water resulting in only two (2) ponds treated by drone and only 484 acres of treatment made by Farm Air. South Yolo techs completed over 16,000 inspections with 1,000 of those needing treatment throughout the mosquito season as well as overseeing 81 total fields of rice (68 conventional fields: 6,607 acres, 13 organic fields: 1,938 acres). In addition to rice and mosquito sites ultra low volume treatments, invasive Aedes and fall flood ups will be discussed.

GIS

Ruben Rosas, GIS Coordinator:

The GIS Department mapped 17,225 acres of planted rice, a 39% decrease from last year. Due to continuous drought, rice cultivation has been reduced for both Sacramento and Yolo counties with the biggest reductions being seen in North Yolo County. In May of 2022, the GIS Department coordinated an aerial flight for neglected swimming pools in Sacramento County. The survey area included the City of Elk Grove and portions of north Sacramento County. The aerial survey encompassed 114 square miles. As a result, 439 swimming pools were identified as a potential breeding source.

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

On a motion by Trustee Burnett and seconded by Trustee Denny, the Board voted to approve this item. The vote was taken by roll call and the motion passed by the following votes: Ayes: 12, Noes: 0, Absent: 1

6. Board/Staff Reports and Requests / General Discussion

District Manager Gary Goodman discussed the hybrid meeting format, the upcoming MVCAC and AMCA meetings, and discussed potential restructuring of some positions that will be brought to the Board in the future. He referenced that the January meeting will include Board elections, the annual Safety Committee Report, and the review of the Manager. He also discussed the potential change of dates of future meetings in April, May, and November due to scheduling conflicts with more information on specifics as we get closer to those meetings.

7. ADJOURNMENT

The meeting adjourned at 12:03pm.

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the December 20, 2022, meeting.

Gary Goodman, Manager

Approved as written, and/or corrected, by the Board of Trustees at the December 20th, 2022, meeting.

Sean Denny, Board Secretary

Check History Report
Sorted By Check Number
Activity From: 12/1/2022 to 12/31/2022

Sacramento Yolo MVCD (SYC)

Bank Code: U US Bank

Check Number	Check Date	Vendor Number	Name	Check Amount	Check Type
056272	12/9/2022	0000504	US Bank	23,208.46	Auto
056273	12/12/2022	0002428	Benefit Coordinators Corp.	8,941.70	Auto
056274	12/12/2022	0000267	Kaiser Foundation Health Plan	49,912.24	Auto
056275	12/12/2022	0000957	Sutter Health Plus	10,506.66	Auto
056276	12/12/2022	0000531	Western Health Advantage	9,144.18	Auto
056277	12/12/2022	0000531	Western Health Advantage	1,088.41	Auto
056278	12/13/2022	0000014	Alhambra & Sierra Springs	88.98	Auto
056279	12/13/2022	0000026	ArcSource	4,724.11	Auto
056280	12/13/2022	0002541	Barnes Welding	3,309.18	Auto
056281	12/13/2022	0001479	Elk Grove Screen Printing	581.85	Auto
056282	12/13/2022	0000202	Ferrellgas	31.51	Auto
056283	12/13/2022	0000208	Fox 40 KTXL	3,541.10	Auto
056284	12/13/2022	0002540	Hippensteel Group	1,576.25	Auto
056285	12/13/2022	0000240	Hunt & Sons Inc	3,191.39	Auto
056286	12/13/2022	0000367	PG & E	1,817.13	Auto
056287	12/13/2022	0000453	Sonsray Machinery LLC	111.57	Auto
056288	12/13/2022	0002599	Stanley Roberts	592.88	Auto
056289	12/13/2022	0001234	T-Mobile	1,453.62	Auto
056290	12/13/2022	0000475	Target Specialty Products	538.75	Auto
056291	12/13/2022	0000522	Verizon Wireless	2,809.39	Auto
056292	12/13/2022	0000526	VWR International Inc	443.38	Auto
056293	12/21/2022	0000043	Benefit Coordinators Corporation	3,385.63	Auto
056294	12/21/2022	0000084	CA State Disbursement Unit	350.00	Auto
056295	12/21/2022	0001035	Operating Engineers Local Union No. 3	1,139.00	Auto
056296	12/22/2022	0000006	Adapco Inc	162,917.04	Auto
056297	12/22/2022	0000014	Alhambra & Sierra Springs	79.07	Auto
056298	12/22/2022	0000018	ANDKO Building Maintenance Inc.	4,804.94	Auto
056299	12/22/2022	0000034	AutoZone Inc	717.33	Auto
056300	12/22/2022	0002541	Barnes Welding	1,692.19	Auto
056301	12/22/2022	0000038	Bartkiewicz Kronick & Shanahan	430.05	Auto
056302	12/22/2022	0001011	Buckmaster Office Solutions	149.01	Auto
056303	12/22/2022	0001019	Cintas Corporation	3,317.24	Auto
056304	12/22/2022	0000117	City of Woodland	404.08	Auto
056305	12/22/2022	0000128	Consolidated Communications	2,392.23	Auto
056306	12/22/2022	0000184	Elk Grove Lock and Safe Company	10.51	Auto
056307	12/22/2022	0000186	Elk Grove Water District	348.78	Auto
056308	12/22/2022	0000502	ES Opco USA LLC	51,069.46	Auto
056309	12/22/2022	0000202	Ferrellgas	33.61	Auto
056310	12/22/2022	0000958	GreatAmerica Financial Services	372.82	Auto
056311	12/22/2022	0001233	Grow West	141.25	Auto
056312	12/22/2022	0002540	Hippensteel Group	1,852.50	Auto
056313	12/22/2022	0000240	Hunt & Sons Inc	423.70	Auto
056314	12/22/2022	0000250	Jack Nadel International	5,196.70	Auto
056315	12/22/2022	0000938	Jim Hesseltine's Tire Service, Inc.	61.88	Auto
056316	12/22/2022	0002601	Katherine Thomson	2,703.75	Auto
056317	12/22/2022	0000277	Kimball Midwest	999.20	Auto
056318	12/22/2022	0002352	Kingsley Bogard, LLP	14,345.14	Auto
056319	12/22/2022	0002350	Linde Gas and Equipment INC.	119.36	Auto
056320	12/22/2022	0000306	Maita Chevrolet	1,868.67	Auto
056321	12/22/2022	0000356	OReilly Automotive Stores Inc	43.06	Auto
056322	12/22/2022	0000367	PG & E	3,304.91	Auto
056323	12/22/2022	0000370	Pitney Bowes	292.60	Auto
056324	12/22/2022	0001488	Red Shoe Productions	14,100.00	Auto
056325	12/22/2022	0000388	Republic Services #922	415.35	Auto

Check History Report
Sorted By Check Number
Activity From: 12/1/2022 to 12/31/2022

Sacramento Yolo MVCD (SYC)

Bank Code: U US Bank

Check Number	Check Date	Vendor Number	Name	Check Amount	Check Type
056326	12/22/2022	0000562	RKL eSolutions, LLC	5,610.00	Auto
056327	12/22/2022	0000413	Sacramento County Utilities	960.54	Auto
056328	12/22/2022	0000424	Safe Side Security	45.00	Auto
056329	12/22/2022	0000451	SMUD	3,687.81	Auto
056330	12/22/2022	0000459	Star Milling Co	3,207.18	Auto
056331	12/22/2022	0000461	Stericycle Inc	178.27	Auto
056332	12/22/2022	0000462	Sterling May Co	93.86	Auto
056333	12/22/2022	0000492	Top Rank Heating Air Conditioning Inc	1,421.61	Auto
056334	12/22/2022	0002407	Valley Fire & Security	69.50	Auto
056335	12/22/2022	0000518	Vector Disease Control International	52,083.37	Auto
056336	12/22/2022	0000526	VWR International Inc	117.75	Auto
056337	12/22/2022	0001471	Walker's Office Supply	329.40	Auto
056338	12/22/2022	0000529	Waste Management	235.48	Auto
056339	12/22/2022	0000543	Yolo County Environmental Health	1,366.00	Auto
W00314	12/30/2022	0000511	US Treasury Internal Revenue Service	62,896.61	Wire Transfer
W00315	12/30/2022	0000176	EDD	17,639.02	Wire Transfer
W00316	12/30/2022	0000339	Nationwide Retirement Solutions	3,425.00	Wire Transfer
W00317	12/30/2022	0000339	Nationwide Retirement Solutions	1,550.00	Wire Transfer
W00318	12/30/2022	0000086	CalPERS 457 Plan	16,679.57	Wire Transfer
W00319	12/30/2022	0000087	CalPERS Financial Reporting & Accounting Services	83,959.60	Wire Transfer
Bank U Total:				<u>662,649.37</u>	
Report Total:				<u><u>662,649.37</u></u>	

I hereby authorize the use of my signature plate on
the above-listed warrants, 056272-056339, and EFTs

Signature

Date

Marcia Mooney, President of the Board

Sacramento/Yolo M.V.C.D.

STATEMENT OF OPERATION

	<i>6Months Ended December31 2022</i>	<i>Annual Budget</i>	<i>Unused</i>
Revenue			
REVENUE	98,628.42	0.00	98,628.42
TOTAL Revenue	<u>98,628.42</u>	<u>0.00</u>	<u>98,628.42</u>
Expenditures			
SALARIES/BENEFITS/WC			
SALARIES/BENEFITS/WC	6,831,406.75	10,114,835.00	3,283,428.25
TOTAL Salaries	<u>6,831,406.75</u>	<u>10,114,835.00</u>	<u>3,283,428.25</u>
OPERATIONAL			
LIABILITY INSURANCE	240,624.00	240,624.00	0.00
AUDITING/FISCAL	10,000.00	18,000.00	8,000.00
COMMUNICATIONS	40,226.80	99,000.00	58,773.20
PUBLIC INFORMATION	282,620.59	595,500.00	312,879.41
STRUCTURE & GROUNDS	40,273.94	69,000.00	28,726.06
MEMBER/TRAINING	58,627.05	148,000.00	89,372.95
DISTRICT OFFICE EXPENSES	8,991.30	22,500.00	13,508.70
PROFESSIONAL SERVICES	217,188.51	297,000.00	79,811.49
MATERIALS & SUPPLIES	11,447.48	22,750.00	11,302.52
RENTS & LEASES - Admin	4,423.52	11,550.00	7,126.48
SAFETY PROGRAM	2,030.00	5,000.00	2,970.00
UTILITIES	56,548.54	120,000.00	63,451.46
AIRCRAFT SERVICES	275,179.11	1,074,000.00	798,820.89
ECOLOGICAL MANAGEMENT	429.70	14,700.00	14,270.30
MICROBIAL	861,067.54	1,200,000.00	338,932.46
INSECT GROWTH REGULATOR	691,173.97	1,133,000.00	441,826.03
INSECTICIDES	285,762.30	700,000.00	414,237.70
FISHERIES	11,413.49	36,000.00	24,586.51
GEOGRAPHIC INFO SYSTEMS	3,661.00	9,000.00	5,339.00
INFORMATION TECHNOLOGY	23,835.65	80,000.00	56,164.35
CONTROL OPERATIONS	13,233.99	66,000.00	52,766.01
VEHICLE PARTS/LABOR	80,142.17	121,000.00	40,857.83
LAB SERVICES	85,262.49	235,300.00	150,037.51
GAS & PETROLEUM	117,858.85	300,000.00	182,141.15
TOTAL Total Operational	<u>3,422,021.99</u>	<u>6,617,924.00</u>	<u>3,195,902.01</u>

Sacramento-Yolo Mosquito & Vector Control District Annual Safety Report 2022

Committee Members for the Year 2022

Whitney Clack	Laboratory
Kellee Brinkman	Administration
Dania Smith	Administration
Tim Guimont	North Sacramento
Jeff Anderson	South Sacramento
Zeb Middleton	Yolo County
Garrett Koch	Catch Basin Crew
Kiara Day	Fisheries
Don Henson	Shop
Samer Elkashef	Safety Officer
Steve Ramos	Safety Officer
Tony Hedley	Safety Officer

EXECUTIVE SUMMARY

The mission of the District Safety Program is to provide a forum for employees to voice their concerns regarding safety issues. This is accomplished through monthly meetings of the Safety Committee and subsequent discussions among District employees regarding topics and issues brought up in the meetings. The Committee is made up of representatives from each of the District's departments. The meetings are usually held the second Tuesday of each month. The agenda includes a review of safety suggestions, accidents, and analyses of facility or job inspections. The District's Safety Manual is reviewed, in its entirety, by District management once every three years. The Safety Manual is also sent to Sedgwick Risk Services for review and recommendations pursuant to this three-year interval, as these reviews are critical in the process of keeping our employees current with updates and changes to safety regulations. Safety is a primary concern of the District and the Committee helps to facilitate and enhance the Safety Program, and employees are trained annually on the Safety Program elements.

The District experienced 17 accidents in 2022, which is below the 5-year running average of 21 accidents per year. The District experienced a decrease in the number of safety suggestions in 2022 compared to 2021 (two suggestions in 2022 versus four suggestions in 2021). As we move into 2023, the District and Safety Committee will make continued efforts to educate its employees on the importance of safety in the workplace, with a goal of increasing employment engagement.

The table below summarizes the general statistics of the Safety Committee Program.

	2022	2021	2020	2019	2018	2017	5 YR AVG
Safety							
Suggestions	2	4	14	11	6	5	8
Accidents	17	21	26	21	16	21	21

The goals of the Safety Committee for the 2023 calendar year include:

- Continue to review and update the Safety Manual.
- A reduction in the number of workplace accidents compared to 2022.
- District-wide promotion of the Safety Program.
- Increasing Safety Suggestions through employee engagement and input during Safety Committee updates by Safety Committee members.

SAFETY PROGRAM OVERVIEW

The following is a review of District Safety Program elements. The complete Safety Program element can be reviewed in the District Safety Manuals.

Hazard Evaluation and Code of Safe Practices

The District has identified work functions and equipment that could pose a safety hazard to employees. These items are listed in the Safety Manual along with mitigating measures to prevent accidents. The functions are updated regularly as new equipment or tasks are added. All new employees are trained on these items at the time of hire as well as reviewed on a regular basis, as-needed and/or annually. .

Task Training

District employees are required to be task trained on all work activities to which they will be assigned. Review training is provided on an as-needed basis. Training is provided by a District supervisor or another employee competent with the task and assigned to do the training by the supervisor. Examples of these tasks include: source inspection, pesticide application, sprayer functionality, chainsaw use and vehicle use.

Equipment/Tool Review

Each supervisor is responsible for equipment and tools within a particular building at each facility (Sacramento and Woodland). Supervisors provide an annual safety review of all the equipment and power tools that are used by employees as refresher training, and continually assess their assigned building for safety hazards.

Hearing Conservation

Supervisors take annual decibel readings of equipment located in their assigned buildings and document all equipment that exceeds 80 decibels. Employees are trained annually on the effects of long term hearing damage, and are required to use ear protection when using this equipment, pursuant to the training.

Fire Safety

Employees are trained on (1) identifying ways to reduce conditions that could result in a workplace fire and (2) how to respond in the event of a workplace fire. New employees are trained on the use of fire extinguishers and evacuation routes at the time of hire. Evacuation routes are posted and reviewed by employees on an annual basis.

Heat Illness

The District uses OSHA training materials to inform employees of the signs and symptoms of heat illness as well as the personal/environmental factors that contribute to heat illness. Training and reminders are provided three times per year and/or as needed during the season.

Bi-Weekly Tailgates

Supervisors review pertinent safety topics with employees in informal training sessions every two weeks. Safety topics include driving, personal safety, heat illness, dog bite avoidance and PPE use.

Driver Training

Driver's training is provided to employees on an annual basis. Formal training fluctuates between virtual and in-person (classroom and behind the wheel) instruction on alternate years.

Pesticide Safety

Pesticide training is required on an annual basis each spring. Employees are trained on the safe use and toxicological profile of every product used by the District. Along with the annual training, pesticide safety training is reinforced during tailgate sessions, equipment reviews and initial task training to emphasize its importance.

SAFETY TRAINING TOOLS UTILIZED BY THE DISTRICT

The District utilizes an assortment of training platforms for employees, including; outsourced professionals, webinars, DVDs/videos and online classes. The following is a summary of the formats used in recent years.

Professional Safety Trainers

Sedgwick staff are safety consultants that have provided the District with classroom and behind the wheel driver training over the past several years. In March of 2022, the District observed COVID-19 protocols and invited a Sedgwick representative to perform online video training via Zoom to the District during pesticide training. The training included videos on driver safety and a Q and A session for all employees. In-person training with a Sedgwick representative will be the goal for the 2023 session, if allowed within COVID-19 protocols at that time.

In 2022, a refresher training on First Aid procedures was performed by our representative from Valent Biosciences who is a certified American Red Cross trainer. The Red Cross moved its classroom training to an on-line module which was followed up with a hands-on component conducted in small groups to maintain social distance guidelines.

Pesticide Industry

Representatives of Sacramento County Agricultural Commissioner's Office, Valent Biosciences, Central Life Sciences, Adapco, Clarke Mosquito Control, Univar and Target Specialty Products have provided pesticide use and safety training to staff.

Webinar

District supervisors and employees have participated in various webinar training sessions over the years.

DVDs / Videos and Online Courses

The District maintains an in-house library of training media and access to an online library of streaming videos to be used to satisfy safety training requirements. Supervisors have staff watch an assortment of films annually to supplement verbal training.

ACCIDENTS / INJURIES 2022

As noted above, there were 17 reported accidents/incidents throughout the District in 2022. This represents an overall decrease from last year. The table below summarizes the breakdown of reported accidents/incidents over the years:

	2022	2021	2020	2019	2018	2017
District Vehicles	14	13	16	11	11	11
Cuts and Abrasions	0	0	2	3	0	3
Strains and Irritations	1	7	3	2	3	5
Pesticide Spills	0	0	1	3	1	0
Other	2	1	4	2	1	2
Total	17	21	26	21	16	21

In 2022, the level of vehicle accidents saw an increase compared to 2021. As always, the Safety Committee will continue to remind everybody to pay more attention and be more careful while driving vehicles to bring down this number. Personal injuries in 2022 (cuts, abrasions, strains, and irritations) decreased to 3 occurrences from 7 the previous year. The Safety Committee will continue to remind staff to ask for training on unfamiliar equipment and to ask for help when needed. The Safety Committee will continue to stress the importance of workplace safety and will look for ways to promote the Safety Program for 2023.

HAZARD EVALUATIONS & AUTHORIZATION LISTS

There are multiple sections in the Safety Manual. Of these sections, four are reviewed annually, on a rotating basis. The specific areas of the Safety Manual that were reviewed by employees in 2022 were:

- Equipment & Machine Hazard Evaluation & Code of Safe Practices
- Respiratory Protection Program
- Pesticide Safety Program
- Hearing Conservation Program

Each department reviews a section of the Safety Manual each quarter and submits suggestions for changes to the Safety Committee. This allows each of the sections of the Safety Manual to be reviewed by all staff once every three years. This is a great training tool

for staff to be reminded of the purpose of the Safety Manual and to get clarification of any issues.

JOB SAFETY CLASS INSPECTIONS 2022

The job safety class inspections are opportunities for the individual departments to discuss the hazards of their particular job classifications with their employees. The supervisor will identify the different components of the job as outlined in the inspection form and solicit input from their employees for changes/modifications to the job safety class. This exercise is an opportunity to formalize reminders to all employees about the potential safety hazards that they face during the execution of their work.

Job Safety Class Inspection Completion Schedule for 2022

<u>DEPARTMENT</u>	<u>COMPLETED</u>
Administration	July & December
Control Operations - North Sacramento	March & Sept.
Control Operations - South Sacramento	June & December
Control Operations - Catch Basin	June & December
Control Operations – Woodland	June & December
Control Operations - Aedes	December
Ecological Management	April & December
Laboratory	July & December
Vehicle	June & December
Fisheries	July & September

FACILITY INSPECTIONS 2022

Facility inspections are scheduled twice a year and include two members of the Safety Committee performing a walkthrough of each building within the District facilities. The two members will identify compliance or areas of improvement. The supervisor in charge of that particular building will then rectify anything identified by the inspection and report back to the Safety Committee.

The following table summarizes the inspections completed in 2022.

<u>FACILITY</u>	<u>COMPLETED</u>	<u>2022 SAFETY RATING</u>
Administration	June	100%
	December	98%
Fisheries	April	100%
	December	93%
Laboratory	June	100%
	December	100%
Mechanic Shop	May	86.2%
	December	100%
Old Shop	April	100%
	December	100%
Pesticide Storage	April	100%
	December	100%
Pole Barn	April	100%
	December	100%
Woodland	May	100%
	November	100%

SAFETY SUGGESTIONS FOR 2022

In 2022, the District received a total of two (2) suggestions, compared to four (4) suggestions in 2021. The Safety Committee and Management continue to encourage employees to make suggestions, either written or verbally, to Safety Committee members. District wide promotion of the Safety Program and its incentives will continue to be a goal for 2023.

SAFETY INCENTIVE AWARDS PROGRAM

The District's goal is to maintain a safe work environment with the expectation that all District employees are to be safety conscious' employees are, therefore, encouraged to contribute to a safe working environment.

Each calendar year, the District will draw safety teams at random using all regular full-time employees. One point will be awarded to each team member at the end of each quarter, assuming that the team has qualified. A qualifying team consists of all members having followed safety policies for the quarter. A point may not be awarded to the team members for the quarter if one or more of the team members have violated a safety policy resulting in an accident or near miss. The District Safety Committee reviews all accident reports to make the determination whether points shall or shall not be awarded to the team. Individual employees may also acquire points by submitting qualifying safety suggestions or by serving on the District Safety Committee (points will be awarded at the completion of the term served). Each employee may accrue a maximum of 10 points. When 10 points are accumulated by any employee, no additional points may be added to that employee's total. Points may be redeemed for gift cards from an assortment of retail outlets after the end of each quarter.

WORKERS COMPENSATION COSTS

The District will be reporting the annual loss run and financial activity for 2022 as well as comparing to previous year's numbers as soon as the data is available from our Workers Compensation provider.

Sacramento-Yolo Mosquito and Vector Control District

January 24, 2023 Board Meeting

4. Reports to the Board

- a. Manager's Report**
- b. Written Reports from District Departments**
- c. Oral Reports from District Departments**

a. Manager's Report

The significant amount of rain and wind that we've seen over the last few weeks has impacted both District properties with downed trees and fences. Crews have spent time clearing debris and repairing any damage to the properties. Fortunately, there was no significant damage to buildings or property.

The upcoming MVCAC annual conference is scheduled for the end of this month and staff are preparing their presentations.

District staff continues development of its Five-Year Plan (future activities and direction of the District) and will provide an update to the Board next month.

Staff is actively interviewing for full time vacancies as well as preparing for onboarding seasonal staff in the coming months.

We are finalizing the audit and hope to have the final report presentation to the Board soon.

b. Written Reports from District Departments

- Lab/Surveillance (Sarah Wheeler)
- Ecological Management (Marty Scholl)
- Biological Control (Tony Hedley)
- Larval and Adult Control (Steve Ramos)
- Public Outreach (Luz Maria Robles)

c. Oral Reports from District Departments

- Administration – Steve Ramos and Tony Hedley
- Control Supervisors – Demetri Dokos, Ryan Wagner, and David Smith
- Information Technology – Dan Fisher
- Shop –Tom Price

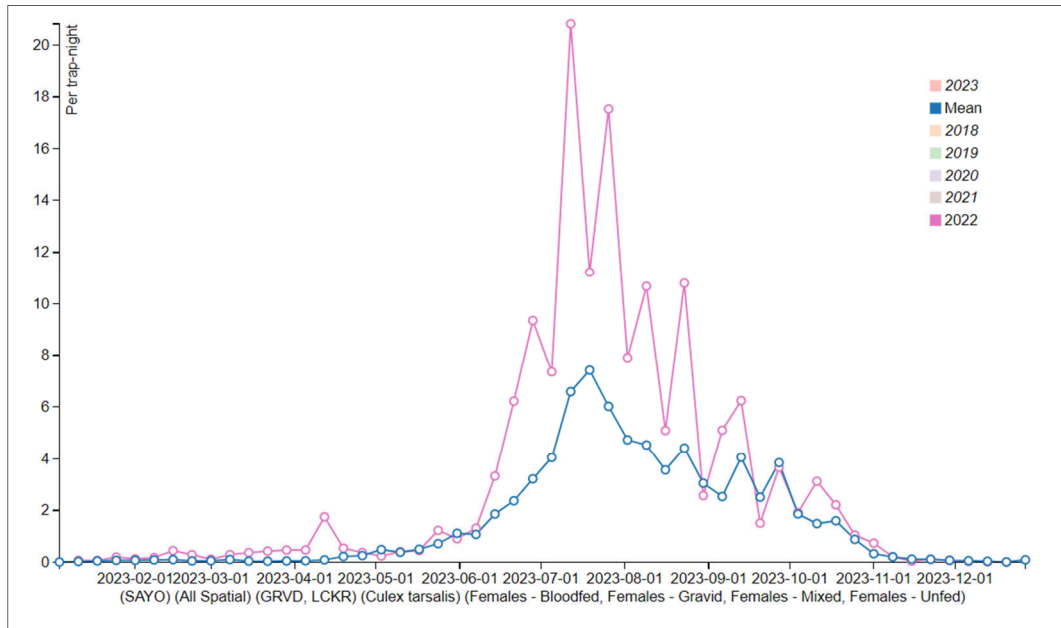
LABORATORY Monthly Report January 2023 Board Meeting

Insectary:

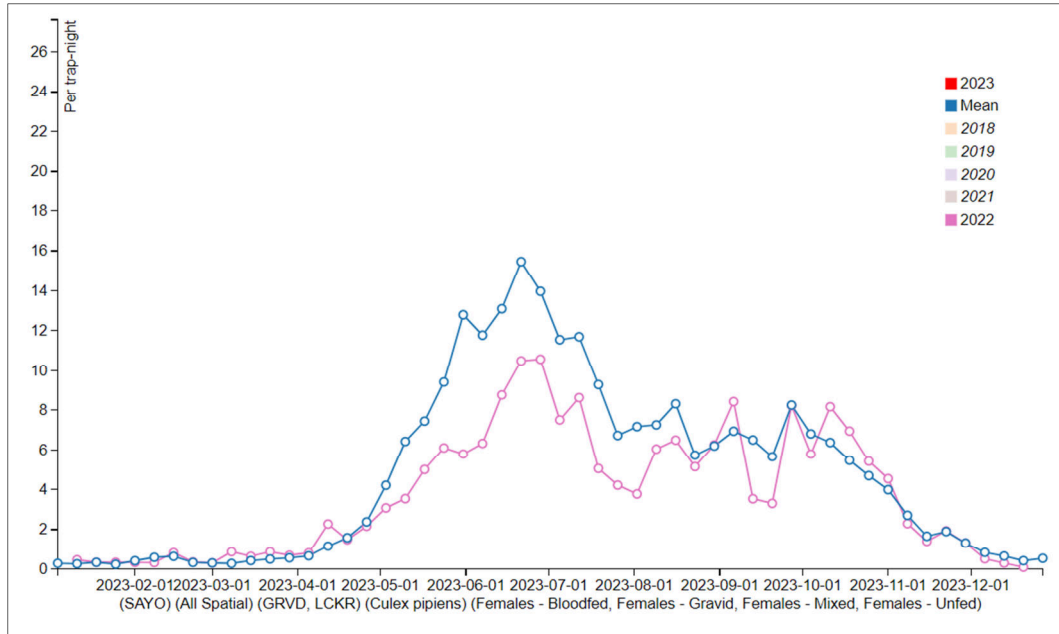
Species	Name	Origin	Resistance Status
<i>Culex tarsalis</i>	KNWR	Kern National Wildlife Refuge (2009)	susceptible
<i>Culex quinquefasciatus</i>	CQ1	Merced, CA (1950s)	susceptible
<i>Culex pipiens</i>	WCP	Woodland, CA (2017)	resistant: pyrethrins/pyrethroids, methoprene, and spinosad
<i>Culex tarsalis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

2023 Surveillance update through 1/7/2023

Weekly mosquito collections – The following graphs show overall *Culex tarsalis* and *Culex pipiens* abundance from gravid traps and locker traps placed in permanent locations throughout Sacramento and Yolo Counties. Heavy rains have prevented restarting this program in 2023. Trapping will resume when the storms abate.



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



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

Encephalitis virus surveillance (EVS) – This program has concluded for the season and will resume in May 2023

West Nile virus (WNV) testing – Testing will resume in May 2023

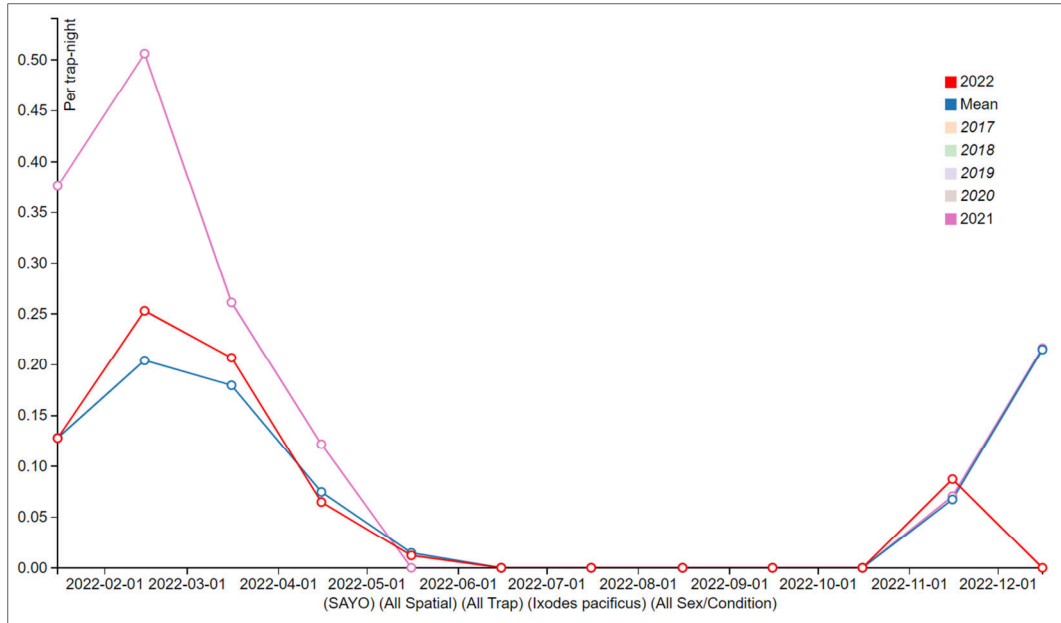
Dead birds – The dead bird program will resume in April 2023

Sentinel chickens – The sentinel chicken program is completed for the year and will resume in April 2023.

Rice Surveillance – Counter traps have been collected from the rice fields. Surveillance will resume in May 2023.

Human disease response surveillance – No new human cases were reported to the District.

Tick surveillance – Tick flagging started in November, 18 out of the 20 permanent sites were flagged. Sites were selected based on land use and habitat. *Ixodes pacificus* were collected from 14 of the sites sampled. All *Ixodes pacificus* ticks are separated by sex, collected in pools up to five ticks, and tested for *Borrelia burgdorferi*, the causative agent of Lyme disease. Below is a graph showing *Ixodes pacificus* abundance across all sites over time and a table describing detections of *Borrelia burgdorferi*.



Total number of *Ixodes pacificus* collected across all sampling locations; December collections are not complete, and flagging was not performed June – October.

2022-2023 Season - *Ixodes pacificus* pools positive for *Borrelia burgdorferi*

Year	Month	Location	<i>Ixodes pacificus</i> tested for <i>Borrelia burgdorferi</i>		
			Total Collected	Total pools	Positive pools
2022	November	Snipes Pershing	6	2	1
		Willow Creek	10	2	1
		Sacramento Bar	15	3	1

***Aedes aegypti* trapping effort in Sacramento and Yolo Counties** – The last detections of *Aedes aegypti* and *Aedes albopictus* were made on November 17th and November 4th, respectively. Invasive *Aedes* surveillance will resume in April 2023. David Smith, the Invasive Aedes Crew Supervisor, will provide more information during his annual update to the board.

The California Arbovirus Surveillance Bulletin updates will resume in May.

2021 & 2022 YTD West Nile Virus Comparisons		
	2021	2022
Total No. Dead Bird Reports	5,086	4,802
No. Positive Counties	39	33
No. Human Cases	112	148
No. Positive Dead Birds / No. Tested	209 / 1,694	186 / 1,266
No. Positive Mosquito Pools / No. Tested	2,261 / 38,024	3,165 / 40,446
No. Seroconversions / No. Tested	88 / 5,823	145 / 5,229

YTD WNV Activity by Element and County, 2022					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Butte	3		2	39	27
Colusa	1				3
Contra Costa			1	2	5
Fresno	22		2	296	
Glenn	1				
Imperial				1	
Kern	20	3		99	
Kings	7	1		105	
Lake			2	7	3
Los Angeles	25	1	47	578	33
Madera	3		2	132	
Merced	7		1	20	16
Napa				1	
Nevada		1	1		
Orange	9		1	39	
Placer	2		5	89	
Riverside			5	125	
Sacramento	4	2	40	42	6
San Bernardino			7	100	
San Joaquin	4	1	1	208	
San Luis Obispo		1			
San Mateo	1				
Santa Clara	1		26	23	
Shasta	1		1	39	3
Solano	3		9	12	
Sonoma	1		1		
Stanislaus	15	1		70	
Sutter	1		4	31	16
Tehama	3	2			6
Tulare	10	3	2	1,030	10
Ventura			1		
Yolo	3		24	65	4
Yuba	1		1	12	13
Totals	148	16	186	3,165	145

ECOLOGICAL MANAGEMENT DEPARTMENT
Monthly Report for the January 2023 Board Meeting

Wetland Program

A handful of the Fall Flooding payments from duck club property owners who participated in the District's Fall Flooding Cost Share Program have been received. Additional invoices will be sent to all outstanding accounts.

Agriculture Program

As the wet weather arrived, staff took the end of the equipment work season to clean, service, and repair all heavy equipment and attachments so that all equipment is ready for use when the need arises.

Staff also continued to assist field operations with organizing and completing seasonal brush projects.

General

Marty will be co-leading a Backyard Pool Program roundtable discussion at the upcoming MVCAC Conference in Anaheim, California, at the end of this month. The discussion will focus on various District programs from across California while providing for audience participation with the roundtable panel.

BIOLOGICAL CONTROL
Monthly Report for the January 2023 Board Meeting

In the month of December, the Fisheries Department completed many necessary tasks including repairing predatory exclusion nets and bleaching and sanitizing transportation tanks and all equipment used in the handling of mosquitofish. In addition, the first half of December has been busy with onsite yard and building cleanup, including cleaning gutters on buildings, weed control around mosquitofish rearing ponds, and landscaping projects around the facility. As things slowed down and the rain moved in, we began some of our inside projects. These projects include repairing seine nets, painting inside the fisheries building, and deck and general sanitizing. The Fisheries Department also continued to gather weekly data for all of our ongoing projects, including traditional fertilization techniques, crayfish control, and the use of solar aerators to maintain dissolved oxygen levels. Daily activities, such as tank cleaning, were also performed to maintain the high quality of our fish population.

Log of Treatment Applied for December

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish (<i>Gambusia affinis</i>)	0 lbs.	0 Acres	0

Log of Treatment Applied for the Year 2022

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Treatments</u>
Mosquitofish (<i>Gambusia affinis</i>)	3,808 lbs	14.288 Acres	2,949
Guppies (<i>Poecilia reticulata</i>)	.2 lbs	100 sqft	3

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
36,000.00	12,144.77	23,855.23	34%



The photo on the left is an inside look at our Fisheries Building. Our District has eight (8) inside tanks for holding and medicating fish, as necessary. Three (3) sets of tanks are for mosquitofish only and the fourth set is for guppies. All tanks run on biological filters and ultraviolet sterilizers.

CONTROL OPERATIONS
Monthly Report for the January 2023 Board Meeting

Culex and West Nile Virus (WNV) Control

There was no response needed for West Nile Virus (WNV) control in the month of December. Staff has been assigned to rotate in with the Lab Techs, assisting in trap repair and production of sentinel cages for use next season.

Invasive Aedes Control

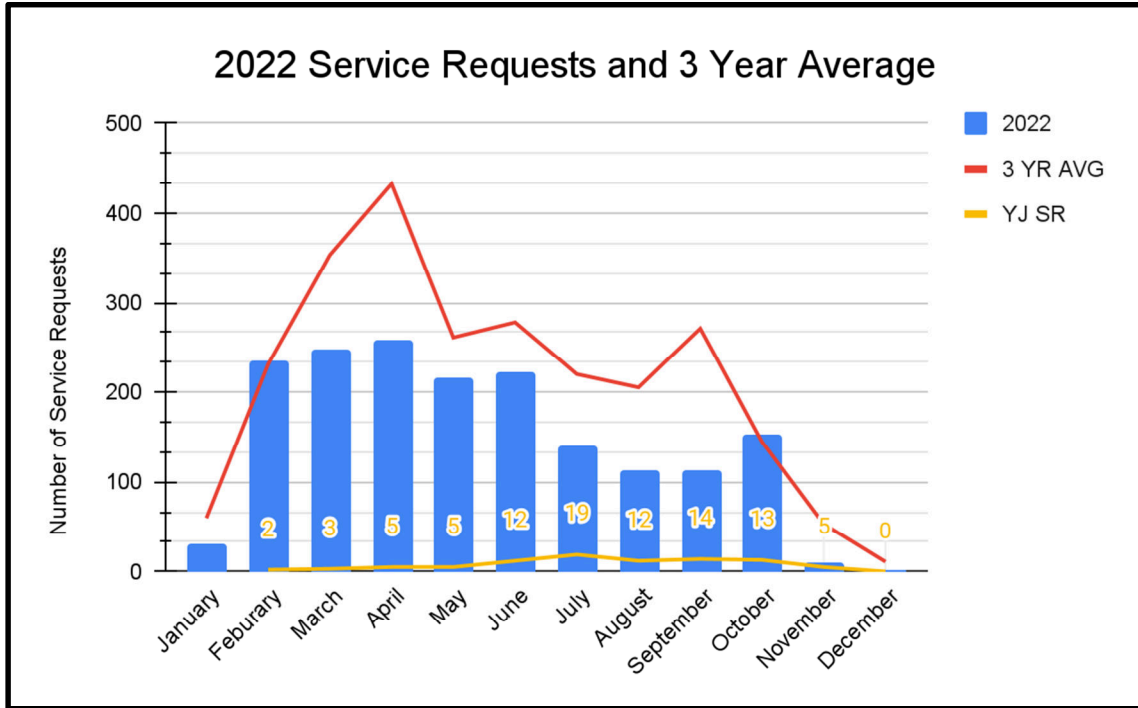
Invasive Aedes trapping has halted with the seasonal rains. Trap repair and maintenance is ongoing for next season. Creation of public relation bags that contain information on invasive species and source reduction around the home have been made to hand out to residents during home inspections.

Trainings and Continued Education

Staff is currently working through assigned continuing education modules and training videos. Annual District safety training modules through the Vector Solutions program are also being completed.

Fall and Winter Projects

Projects around the District property, such as tree trimming, fence repair, vehicle maintenance, and water soluble packet production, are being performed. Crews continue to work on offsite properties, performing brush clearing work around known mosquito breeding sources.



Larvicide Applications thru December 31 st				
Locations/Roles	2022		2021	
	Treatments	Acres	Treatments	Acres
Sacramento County	7,302	15,893	7,250	14,989
Sac County Aerial	25 Orders	19,766	33 Orders	18,077
Sac County Drone Treatments	43 orders	2,104	40 orders	2,296
Yolo County	1,387	5,709	1,551	8,609
Yolo County Aerial	50 Orders	78,173	75 Orders	129,743
Yolo County Drone Treatments	20 Orders	2,415	39 Orders	2,849
CB Treated	97,326	--	204,381	--
CB Inspected -not treated	160,571	--	171,640	--

Aerial Adulticide Summary thru December 31st

<u>County</u>	<u>2022</u>		<u>2021</u>	
	<u># Applications</u>	<u>Acres</u>	<u># Applications</u>	<u>Acres</u>
Sacramento Ag	24	167,464	20	139,765
Sacramento Urban	0	0	0	0
Yolo Ag	58	351,786	50	424,118
Yolo Urban	0	0	0	0

Adulticide Summary through December 31st, 2022

compared to: 2021

Contract Acres (our portion) =	530,000	530,000
Acres used =	519,250	563,883
Acres remaining =	(10,750)	(-33,883)
% Acres used =	98%	106%
% Acres remaining =	2%	0%

San Joaquin County MVCD has used 190,582 acres of their 190,000 acre contract commitment.

Placer MVCD has used 127,947 acres of their 100,000 acre commitment.

Turlock MAD has used 89,911 acres of their 180,000 acre commitment.

Merced MAD had used 33,407 acres

PUBLIC INFORMATION AND EDUCATION
Monthly Report for the January 2023 Board Meeting

2023 Fight the Bite Contest

In preparation for the annual Fight the Bite drawing contest, we are currently updating the flier. Once it is finalized, we will begin disseminating it to the various school districts for approval. Upon approval of the flier by each district, copies will be made and mailed out to individual schools and districts for dissemination amongst the students.

The contest will be promoted through social media and at school assemblies. We will also reach out to previous contest participants and schools or teachers that have participated through the years.

School Program Assemblies

Fight the Bite “What Bugs You?” school assemblies hosted by Red Shoe Productions continue to be coordinated. Staff is currently reaching out to schools where presentations have been given in the past and hoping to schedule an assembly for 2nd-5th grade students.

Assemblies currently scheduled include:

January 31: Tahoe Park Elementary

Advertising:

The season will be here in no time and in preparation for this we are coordinating and collaborating with Gary Benjamin, our media consultant, to begin putting together the 2023 advertising plan. We have ongoing meetings with account executives and media representatives to begin looking at various options for the advertising campaign.

Outreach Materials and Annual Report

We have started working on the 2022 Annual Report and each department supervisor is currently updating their summary of work performed. In addition, they are selecting photographs that will be included in each section.

In preparation for the upcoming season, we are currently assessing needs and re-ordering brochures and other materials, as needed.

Events:

We are currently gathering information for upcoming community events in 2023. We are reviewing events and putting together a list of the ones we will potentially attend. Two events being considered are the Galt Bird Festival in February and a Gardener’s Market event sponsored by the Sacramento Perennial Plant in March. The Gardner’s Market will be a great venue to disseminate information – specifically about invasive mosquitoes – to a receptive audience.

MVCAC

Currently working on my presentation titled “*Building EXTRA-Ordinary Campaigns: Best Practices*” to enhance Fight the Bite Messaging that will be given at the upcoming 2023 MVCAC Conference in February.

Steve Ramos and Tony Hedley, Assistant Managers:

This upcoming year we look forward to working with the different department supervisors on evaluating and implementing items from the 5 year plan. As District departments grow and evolve, our attention will be making sure supervisors and technicians have what they need to continue achieving success as a public health organization. A constant model within the District is “how can we get better”, this is a motto that we look forward to continuing in our work as Assistant Managers. A goal we have as Assistant Managers is to learn and become familiar with all vendor contracts while evaluating need, contract term and cost value. One recent example is our uniform company, Steve and I successfully negotiated a proposed 30% increase year to year deal to an acceptable 10% increase year one and reevaluate annually with a 5% cap.

Demetri Dokos, South Sacramento Field Supervisor:

The South Sacramento Crew consisted of eight (8) full time technicians and one (1) seasonal technician in 2022. Swimming pool mailers were sent out in March to 85 residents of Elk Grove that had unmaintained swimming pools. South Sacramento zones experienced a decrease in West Nile Virus (WNV) activity in 2022 when compared to the 2021 season. South Sacramento Technicians responded to 16 WNV positive mosquito pools, 1 WNV positive horse, 2 WNV positive humans and 5 WNV positive chickens from the Isleton flock with radius work and Ultra Low Volume adulticide treatments. South Sacramento also received one travel related Malaria case and responded with a 1 mile radius inspection of all known mosquito breeding sites. Technicians inspected 25,919 possible mosquito breeding sites and performed 3,135 treatments of those sites. Technicians responded to 406 service requests; 279 were mosquito related service requests, 110 for mosquitofish plants and 17 service requests for yellowjacket or paper wasp control. The South Sacramento rice numbers decreased from 1,300 acres in 2021 to 847 acres in 2022 (767 acres of organic rice and 80 acres of conventional rice), Twitchell Island rice was not planted this year due to the drought. The South Sacramento yellowjacket program set and monitored traps in the eucalyptus grove near Herald and East of Locke. In 2022 South Sacramento technicians began Yellow Jacket trapping in the farm area of Bufferlands off of Dwight Rd in Elk Grove to monitor Yellow Jacket populations in those areas.

Ryan Wagner, Catch Basin Supervisor

This past season, the District's Catch Basin Program continued to evolve in a number of ways. 2022 marked the first full year's use of the program's homemade mobile application and complete transition from paper maps and labor-intensive data entry. Catch basin treatments and inspections for 2022 surpassed 250,000, accomplished by six full-time and one seasonal employee. The crew also logged the highest number of catch basin sample collections since the inception of the program in 2005. Alongside these treatments, the department undertook several projects, including the first round of

in-house pesticide residual studies and catch basin water collections for MGK (manufacturer of Sumilarv 0.5G and OneGuard) to assist in the final steps of their EPA registration process. In addition to the full-time use of the program's new RHD Jeep Wranglers and modified hybrid bicycles, the department also obtained two electric scooters for use in suburban neighborhoods, parks, and large parking lots. The relatively low-cost, extended battery life, and ease of movement with these devices make them another efficient tool for accessing the many catch basins we endeavor to manage.

David Smith, Aedes control Supervisor

In 2022, Aedes Control was established as a separate division of Control Operations after operating within the North Sacramento Control Operations department for the previous two years. Aedes Control was formed in response to the invasive *Aedes aegypti* mosquitoes first found in our district boundaries in 2019. Aedes Control includes four permanent full-time technicians and one seasonal technician. Aedes Control performs door to door inspections, treatments, trapping, and public education related to the breeding and activity of invasive mosquitoes. In 2022, Aedes Control technicians visited over 5,500 residences and conducted over 2,700 backyard inspections. Aedes Control inspections resulted in 1,500 adulticide treatments, which included residual barrier sprays and localized backpack ULV treatments. Aedes Control efforts also resulted in over 2,200 trap nights separate from the lab, using BG sentinel traps, with the bulk of the trapping performed from the end of August through October. In 2022 new detections of *Ae. aegypti* were discovered in South Natomas within the City of Sacramento as well as the unincorporated areas of Sacramento County including Carmichael, Rio Linda and Orangevale. The Districts first *Aedes albopictus* detections also came in 2022 in Carmichael and South Natomas. The initial detection of *Ae. albopictus* uncovered a remote infestation of *Ae. albopictus* larvae and adults. The District responded to invasive detections by conducting Wide Area Larvicide Spray (WALS) treatments in tandem with Ultra Low Volume (ULV) adulticide treatments. WALS and ULV treatments were performed in Winters, South Natomas, Rosemont, Elder Creek, and Carmichael.

A primary goal for the Aedes Control team is to increase public awareness and education. Community education is vital in controlling invasive mosquito populations and the Aedes Control team continues to work with the Districts Public Information Officer to achieve this. In 2023 the Aedes Control team will be transitioning to a new custom mobile Aedes application. This transition will help streamline data entry for our department and provide real time data while in the field.

Dan Fisher, Information Technology

The Information Technology (IT) Department exists to support each department's role in the larger mission of the District with the use of technology.

This past year the IT Department continued to primarily work remotely, coming in as needed to maintain hardware such as setting up phones and laptops for new hires and our seasonal staff. Recently, IT work has been performed in the office to help upgrade inventory and surplus old equipment. After hours and weekend work is necessary for the IT Department, notably for recovery from power outages but also for server maintenance, and infrastructure upgrades working with contractors.

This past year the District upgraded internet connections at both Elk Grove and Woodland offices, lowering cost and increasing bandwidth. The District moved to Zoom Phones, with incredible cost savings and new abilities, like using an app on our PCs or smartphones to answer or place calls anywhere just as easily as picking up a desk phone in the office.

Another new technology used this year was our new aerial imagery contract with the company NearMap. This is a group negotiated contract that the MVCAC IT Committee worked on for over a year. NearMap publishes their images as a stitched together aerial imagery base map to a website we can share with all our field technicians, just days after they are taken. We also used NearMap's imagery this year during our annual pool mailer program. NearMap also has advanced artificial intelligence software that they are developing along with help from us and the other mosquito districts to provide feedback and training data.

Another leap forward this year was a joint project with our Catchbasin supervisor, Ryan Wagner. Our catchbasin program manages over 150,000 sources and the process of creating, managing, and treating those sources has to be scaled down to make data entry for technicians efficient. We came across a technology called AppSheet. The District scaled up the amount of sources and features so quickly it outpaced the lower cost account of AppSheet so this year the District purchased the enterprise plan and moved all the data over to a custom Google Cloud database, vastly increasing the speed and future flexibility of the new catchbasin app. Ryan and I are now working with Aedes Control Supervisor David Smith to design a custom Aedes field app, which is also a high volume, door to door operation with new types of data to manage.

I also worked closely with the front office staff and vendors to deploy a HR Self Service website this year. Employees can now update their own benefits and view pay and deductions history. The District Also finalized the rollout of the timesheet entry website to all staff.

The IT Department is just as busy in the winter as in the summer, helping setup annual training websites and winter projects for departments to use during rainy days,

managing server software updates, security updates, installing new server and networking hardware, helping supervisors run end of the year reports, analyzing our previous year operations and data and planning for the next season.

Tom Price, Shop Supervisor

Tom will present an oral report in conjunction with a video highlighting a few improvements the shop has made to efficiency and accuracy In 2022. Such new and updated equipment include a metal lathe and milling machine to fix and fabricate parts as needed. A new tire changer and balancer will replace the aging and much less efficient older equipment. Other highlights include a new sheet metal brake and portacool. All shop staff continue to stay up to date on all required National Institute for Automotive Service Excellence (ASE) certifications.

Sacramento-Yolo Mosquito and Vector Control District

January 24, 2023 Board Meeting

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

Sacramento-Yolo Mosquito and Vector Control District

January 24, 2023 Board Meeting

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

Staff Report:

The following is an excerpt from existing law:

2027. (a) At the first meeting of the initial board of trustees of a newly formed district, and in the case of an existing district at the first meeting in January every year or every other year, the board of trustees shall elect its officers.

(b) The officers of a board of trustees are a president and a secretary. The president shall be a trustee. The secretary may be either a trustee or a district employee. A board of trustees may create additional officers and elect members to those positions. No trustee shall hold more than one office.

In addition, the Board passed Resolution 1-19-10B (enclosed) that defines the Rules and Proceedings for District Board meetings.

Pursuant to Resolution 1-19-10B, the current officers of the Board are President, Vice President, and Secretary. The Board may delegate the authority to perform responsibilities of the Secretary to the Manager.

2022 Officers

President – Marcia Mooney

Vice President – Gar House

Secretary – Sean Denny

Recommendation:

Pleasure of the Board