

SACRAMENTO-YOLO  
MOSQUITO & VECTOR  
CONTROL DISTRICT

NOVEMBER 17, 2020

BOARD OF TRUSTEES  
REGULAR MEETING

BOARD PACKET

10:00 A.M.

8631 Bond Road  
Elk Grove, CA 95624

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

8631 Bond Road  
Elk Grove, CA 95624

**AGENDA  
November 17, 2020  
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 October 20, 2020 Board of Trustees Meeting**
  - b. **Expenditures for October 2020**
  - c. **2021 District Annual Operating Plan Pursuant to Section 8 of the MOU between the USFWS and SYMVCD**
  - d. **District Investment Report for Period Ending September 30, 2020**
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. **Board Review and Discussion of the 2019-2020 District Audit**
4. **Reports to the Board**
  - a. **Manager's Report**
  - b. **Reports from District Departments**
    - **Lab/Surveillance**
    - **Ecological Management**
    - **Biological Control**
    - **Larval and Adult Control**
    - **Public Outreach**

5. **Board Review and Consideration of New Quantitative Real Time Polymerase Chain Reaction (QRTPCR) Machine**
6. **Board/Staff General Discussion**
7. **Adjournment**



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

## **November 17, 2020 Board Meeting**

### **1. Items for Approval by General Consent:**

- a. Minutes of the October 20, 2020 Board of Trustees Meeting;
- b. Expenditures for October 2020;  
2021 District Annual Operating Plan Pursuant to Section 8 of the
- c. MOU between USFWS and SYMVCD;
- d. District Investment Report for Period Ending September 30, 2020.

### **Recommendation:**

**Approve the Items by General Consent**

**MINUTES OF THE OCTOBER 20, 2020  
MEETING OF THE BOARD OF TRUSTEES OF THE  
SACRAMENTO-YOLO MOSQUITO & VECTOR CONTROL DISTRICT**

PLACE: 8631 Bond Road, Elk Grove, CA 95624

TIME: 10:00 a.m.

**TRUSTEES PRESENT:**

Jayna Karpinski-Costa	President	Citrus Heights
Craig Burnett	Vice President	Folsom
Gar House	Secretary	Winters
Raul DeAnda		West Sacramento
Sean Denny		Woodland
Bruce Eldridge		Yolo County
Lyndon Hawkins		Elk Grove
Raymond LaTorre		Sacramento
Susan Maggy		Sacramento County
Robert McGarvey		Rancho Cordova
Marcia Mooney		Galt
Christopher Barker		Davis
Vacant		Isleton

**TRUSTEES ABSENT:**

None

**LEGAL COUNSEL:**

Jennifer Buckman

**STAFF PRESENT:**

Gary Goodman	Manager
Marcia Reed	Laboratory Director
Marty Scholl	Ecological Management Supervisor
Tony Hedley	Fisheries Supervisor
Steve Ramos	Program Coordinator
Luz Robles	Public Information Officer

**CALL TO ORDER**

The meeting was called to order at 10:00 a.m. by President Jayna Karpinski-Costa.

**Roll Call**

This meeting was held and attended by Video Teleconference. Trustee House and Denny were absent during roll call and joined the meeting at 10:04 a.m., after the vote to amend the agenda. All other Trustees were present creating a quorum. The Isleton position is vacant.

**Pledge of Allegiance**

*All phones and electronic devices are requested to be silenced during the meeting.*

## **MOTION TO AMEND THE AGENDA**

On a motion by Trustee Mooney, seconded by Trustee Hawkins, the Board voted to amend the agenda to add Board Item 4.1 as listed below. The vote was taken by roll call and the motion passed by the following vote: Ayes: 10, Noes: 0, Absent: 2(Trustees House and Denny).

4.1 Closed Session – Conference with Legal Counsel – Significant Exposure to Litigation (Gov. Code § 54956.9(b)) – one potential claim received from Ortiz Law Group on behalf of Jason Shumras.

## **1. ITEMS FOR APPROVAL BY GENERAL CONSENT**

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

- a. Minutes of the September 15, 2020 Board of Trustees Meeting;
- b. Expenditures for September 2020.

## **2. OPPORTUNITY FOR PUBLIC COMMENT**

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

None

## **3. REPORTS TO THE BOARD**

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

The West Nile virus season is coming to a close as the District has seen minimal activity over the past few weeks. However, the detection of the invasive species, *Aedes aegypti*, in various parts of the District are keeping staff busy. Detections and treatments in Winters and the Arden Arcade area are higher than last year's detection in Citrus Heights and multiple larviciding and adulticiding applications have been made to these areas. The District audit has been completed and we hope to have a presentation at a future Board meeting. The District is receiving our updated healthcare rates from our Broker for open enrollment in December.

**b. 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.

**Lab/Surveillance:** Laboratory Director, Marcia Reed discussed department activities including mosquito abundance and the slowing of West Nile virus activity throughout the District. She then discussed the invasive species detections and highlighted maps that were included in the packet to give a visual of where the findings have been to date.

**Ecological Management:** Ecological Management Supervisor, Marty Scholl discussed department activities including Storm Water and Drainages, Wetland, Rice, Agricultural and UAS (Unmanned Aerial Systems) programs as well as Planning Reviews. The Fall Flooding Cost Share program came to a close on October 7th. Staff has organized and assisted with winter brush and access projects including the use of aerial imaging to determine where standing water is located for potential ground treatments, inspections and verification of flooded fields.

**Biological Control:** Fisheries Supervisor, Tony Hedley discussed department activities including fish plants, regular maintenance and special projects. The department has shifted focus from rice field stocking to pond rehab and the wetland program. Daily activities and department projects are ongoing including monitoring of dissolved oxygen levels, crayfish trapping and stocking rates for rice fields and wetlands.

**Larval and Adult Control:** Program Coordinator, Steve Ramos discussed department activities including service requests, rice and wetland programs. As rice fields drain service requests increased in surrounding neighborhoods as mosquitoes moved to find more suitable habitats. Technicians remained busy in rural areas tending to pastures and crops where landowners were finishing up their final irrigations. Crews have been performing response work related to the Aedes detection and trapping in Winters with door to door inspections and treatments of suburban sources.

**Public Outreach:** Public Information Officer, Luz Robles reported on department activities including, Advertising and Media, Social Media, Presentations, and Repellent and Materials distribution. Press Releases were issued for the Aedes detections made in September within the City of Winters in Yolo County, as well as for the detections in Davis and the Arden-Arcade area of Sacramento County. As a result, we had media interest and coverage from three local newspapers as well as three television stations. Door to door outreach in affected neighborhoods include an informational door hanger and public relations bags with additional information and repellent wipes inside. Social media efforts include Facebook and Nextdoor posts encouraging residents to sign up for District spray notifications.

#### **4. BOARD/STAFF REPORTS AND REQUESTS**

The upcoming MVCAC meetings will be held virtually instead of in person due to the Coronavirus pandemic.

##### **4.1. CLOSED SESSION- CONFERENCE WITH LEGAL COUNSEL-SIGNIFICANT EXPOSURE TO LITIGATION (GOV. CODE § 54956.9(b))-ONE POTENTIAL CLAIM RECEIVED FROM ORTIZ LAW GROUP ON BEHALF OF JASON SHUMRAS.**

At 11:05 am President Karpinski-Costa adjourned the Open Meeting and the Board went into the Closed Session for Item 4.1. The Board returned to Open Session at 11:15 am. The Board reported that it recommended to return the claim as insufficient to the plaintiff and direct staff to work with the Vector Control JPA (VCJPA) claims team to provide Mr. Shumras and his attorney with the appropriate notice of the defects and a copy of the claim form. The vote was taken by roll call and the motion passed by the following vote: Ayes: 11, Noes: 0, Abstained: 1(Trustee House) Absent: 0.

#### **5. ADJOURNMENT**

The meeting adjourned at 11:22 pm

\* \* \* \* \*

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the October 20, 2020 meeting.

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Gary Goodman, Manager

Approved as written and/or corrected by the Board of Trustees at the November 17, 2020 meeting.

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Gar House, Board Secretary

**October 2020 Check Register**  
**Activity From: 10/1/2020 to 10/31/2020**  
**Sacramento Yolo MVCD (SYC)**

Check Number	Check Date	Vendor Number	Name	Check
<u>Bank</u>	<u>U US Bank</u>			
054238	10/1/2020	0000504	US Bank	30,304.09
054239	10/7/2020	0000006	Adapco Inc	5,436.54
054240	10/7/2020	0000014	Alhambra & Sierra Springs	23.78
054241	10/7/2020	0000018	ANDKO Building Maintenance Inc.	4,804.94
054242	10/7/2020	0000034	AutoZone Inc	2,348.26
054243	10/7/2020	0001024	Bonneville International	11,560.00
054244	10/7/2020	0000091	Capital Public Radio Inc	1,487.50
054245	10/7/2020	0001019	Cintas Corporation	2,753.66
054246	10/7/2020	0000117	City of Woodland	564.65
054247	10/7/2020	0000119	Clarke Mosquito Control Products Inc	292,624.48
054248	10/7/2020	0000126	Complete Welders Supply Inc	1,865.73
054249	10/7/2020	0000128	Consolidated Communications	2,366.71
054250	10/7/2020	0000140	Crossings TV	3,759.06
054251	10/7/2020	0000186	Elk Grove Water District	740.79
054252	10/7/2020	0000199	Farm Air Flying Service	42,195.00
054253	10/7/2020	0000200	Fastenal Company	321.10
054254	10/7/2020	0000208	Fox 40 KTXL	1,948.00
054255	10/7/2020	0002357	Golden Valley Electric	5,800.00
054256	10/7/2020	0000240	Hunt & Sons Inc	7,435.58
054257	10/7/2020	0000242	iHeart Media	8,500.00
054258	10/7/2020	0000277	Kimball Midwest	106.35
054259	10/7/2020	0002352	Kingsley Bogard, LLP	210.00
054260	10/7/2020	0000280	KXTV News 10	10,747.50
054261	10/7/2020	0000564	Lamar Advertising	4,750.00
054262	10/7/2020	0000293	Life Technologies Corporation	8,178.33
054263	10/7/2020	0000497	Magnegas Welding Supply - West	84.75
054264	10/7/2020	0000306	Maita Chevrolet	437.04
054265	10/7/2020	0000308	Mann Urrutia Nelson CPAs & Assoc LLP	11,000.00
054266	10/7/2020	0000356	O'Reilly Automotive Stores Inc	396.22
054267	10/7/2020	0000367	PG & E	158.04
054268	10/7/2020	0002350	Praxair Welding Gas and Supply	381.71
054269	10/7/2020	0000388	Republic Services #922	88.60
054270	10/7/2020	0001452	Results Radio - KCCL	2,040.00
054271	10/7/2020	0000398	Russian American Media Inc	2,000.00
054272	10/7/2020	0000403	Sac Ice	1,307.79
054273	10/7/2020	0001465	Sacramento Control Systems, Inc.	664.50
054274	10/7/2020	0000407	Sacramento County	100.00
054275	10/7/2020	0000418	Sacramento LaFCo	1,717.00
054276	10/7/2020	0000579	Salem Media Group	1,726.50
054277	10/7/2020	0000451	SMUD	4,733.43
054278	10/7/2020	0000454	Spark Creative Design	1,262.19
054279	10/7/2020	0001234	T-Mobile	864.28
054280	10/7/2020	0000505	US Bank Equipment Finance	102.36
054281	10/7/2020	0000515	Valley Tire Center	80.00
054282	10/7/2020	0000516	Valley Truck & Tractor Co	185.52
054283	10/7/2020	0000518	Vector Disease Control International	50,000.00
054284	10/7/2020	0000522	Verizon Wireless	3,549.72
054285	10/7/2020	0001453	Via Media Cable	1,188.00
054286	10/7/2020	0001471	Walker's Office Supply	95.07

## October 2020 Check Register

2

054287	10/7/2020	0000529	Waste Management	169.96
054288	10/9/2020	0000279	KMAX TV	3,035.00
054289	10/9/2020	0000503	Univision Communications Inc	8,530.00
054290	10/13/2020	0000083	CA Department of Tax and Fee	762.00
054291	10/13/2020	0000141	CSAC Excess Insurance Authority	323.61
054292	10/13/2020	0000267	Kaiser Foundation Health Plan	24,606.48
054293	10/13/2020	0000267	Kaiser Foundation Health Plan	3,844.75
054294	10/13/2020	0000267	Kaiser Foundation Health Plan	19,298.86
054295	10/13/2020	0000357	P & A Administrative Services Inc	126.00
054296	10/13/2020	0000373	Preferred Benefit Ins Administrators	8,452.30
054297	10/13/2020	0000957	Sutter Health Plus	6,450.78
054298	10/13/2020	0000531	Western Health Advantage	5,184.47
054299	10/13/2020	0000531	Western Health Advantage	3,053.82
054300	10/15/2020	0000073	CA Dept of Public Health	248.00
054301	10/20/2020	0000006	Adapco Inc	1,000.00
054302	10/20/2020	0000038	Bartkiewicz Kronick & Shanahan	600.00
054303	10/20/2020	0000039	Batteries Plus	795.14
054304	10/20/2020	0000126	Complete Welders Supply Inc	1,799.01
054305	10/20/2020	0000124	Effectv	7,028.69
054306	10/20/2020	0000192	Entercom Sacramento	23,494.23
054307	10/20/2020	0000204	Fisher Scientific International Inc	398.29
054308	10/20/2020	0000958	GreatAmerica Financial Services	444.60
054309	10/20/2020	0000240	Hunt & Sons Inc	3,937.99
054310	10/20/2020	0000272	KCRA TV 3	8,700.00
054311	10/20/2020	0000367	PG & E	960.40
054312	10/20/2020	0002350	Praxair Welding Gas and Supply	732.13
054313	10/20/2020	0001270	Rubicon Global, LLC	200.26
054314	10/20/2020	0000413	Sacramento County Utilities	960.54
054315	10/20/2020	0000424	Safe Side Security	384.00
054316	10/20/2020	0000454	Spark Creative Design	1,237.19
054317	10/20/2020	0000464	Steven Ramos	122.86
054318	10/20/2020	0000501	United Textile Inc	2,949.20
054319	10/20/2020	0000534	Wiley Price & Radulovich	377.00
054320	10/28/2020	0000240	Hunt & Sons Inc	3,407.82
054321	10/30/2020	0000043	Benefit Coordinators Corporation	3,264.43
054322	10/30/2020	0000084	CA State Disbursement Unit	350.00
054323	10/30/2020	0000339	Nationwide Retirement Solutions	1,550.00
054324	10/30/2020	0000339	Nationwide Retirement Solutions	4,100.00
054325	10/30/2020	0001035	Operating Engineers Local Union No. 3	1,300.00
W00163	10/30/2020	0000086	CalPERS 457 Plan	20,645.49
W00164	10/30/2020	0000087	CalPERS Financial Reporting & Accounting	81,980.16
W00165	10/30/2020	0000561	United States Treasury	60,021.19
W00166	10/30/2020	0000176	EDD	15,795.26
<b>Bank U Total:</b>				<b>867,616.68</b>
<b>Report Total:</b>				<b>867,616.68</b>

I hereby authorize the use of my signature plate on  
the above-listed warrants, 054238-054325, and EFTs W00163-W00166

Signature

Date

Jayna Karpinski-Costa, President of the Board

S.Y.M.V.C.D  
FY 2020-2021 Budget Update  
October 2020

Account #	Account Description	4 Months Ended October 31, 2020	FY 20-21 Annual Budget	Unused
4000	REVENUE	\$ -	\$ -	\$ -
5000	SALARIES/BENEFITS/WC	\$ 3,722,265.10	\$ 8,793,710.68	\$ 5,071,445.58
5200	OPERATIONAL	\$ 3,282,115.43	\$ 6,478,412.05	\$ 3,196,296.62
5210	LIABILITY INSURANCE	\$ 161,762.05	\$ 171,762.05	\$ 10,000.00
5250	AUDITING/FISCAL	\$ 14,500.00	\$ 17,750.00	\$ 3,250.00
5270	COMMUNICATIONS	\$ 22,896.14	\$ 79,500.00	\$ 56,603.86
5310	PUBLIC INFORMATION	\$ 165,990.22	\$ 502,500.00	\$ 336,509.78
5340	STRUCTURE & GROUNDS	\$ 25,541.51	\$ 65,000.00	\$ 39,458.49
5370	MEMBER/TRAINING	\$ 36,593.82	\$ 113,000.00	\$ 76,406.18
5390	DISTRICT OFFICE EXPENSES	\$ 1,415.77	\$ 17,500.00	\$ 16,084.23
5430	PROFESSIONAL SERVICES	\$ 52,688.45	\$ 203,250.00	\$ 150,561.55
5440	MATERIALS & SUPPLIES	\$ 5,638.99	\$ 13,000.00	\$ 7,361.01
5450	RENTS & LEASES	\$ 2,981.08	\$ 11,550.00	\$ 8,568.92
5470	SAFETY PROGRAM	\$ 410.00	\$ 5,000.00	\$ 4,590.00
5480	UTILITIES	\$ 33,369.90	\$ 110,000.00	\$ 76,630.10
6120	AIRCRAFT SERVICES	\$ 372,140.67	\$ 955,000.00	\$ 582,859.33
6140	ECOLOGICAL MANAGEMENT	\$ 811.89	\$ 18,600.00	\$ 17,788.11
6160	MICROBIAL	\$ 796,426.91	\$ 1,550,000.00	\$ 753,573.09
6170	BIORATIONALS	\$ 830,480.51	\$ 1,000,000.00	\$ 169,519.49
6180	INSECTICIDES	\$ 527,295.87	\$ 1,100,000.00	\$ 572,704.13
6220	FISHERIES	\$ 4,187.98	\$ 27,000.00	\$ 22,812.02
6280	GEOGRAPHIC INFO SYSTEMS	\$ 2,500.00	\$ 9,100.00	\$ 6,600.00
6320	INFORMATION TECHNOLOGY	\$ 20,992.95	\$ 68,500.00	\$ 47,507.05
6350	CONTROL OPERATIONS	\$ 16,359.07	\$ 40,200.00	\$ 23,840.93
6370	SHOP	\$ 45,473.08	\$ 98,000.00	\$ 52,526.92
6420	LAB SERVICES	\$ 80,007.48	\$ 148,200.00	\$ 68,192.52
6450	GAS & PETROLEUM	\$ 61,651.09	\$ 154,000.00	\$ 92,348.91
7000	CAPITAL ACCOUNTS	\$ 13,916.03	\$ 615,651.27	\$ 601,735.24
7011/1510	Capital Outlay/Construction In Progress	\$ -	\$ 233,000.00	\$ 233,000.00
7030	Contingency	\$ -	\$ 72,651.27	\$ 72,651.27
7030	Research Fund	\$ -	\$ 25,000.00	\$ 25,000.00
7035	Building Improvement	\$ 13,916.03	\$ 285,000.00	\$ 271,083.97
<b>TOTALS</b>				
	Salaries/Benefits	\$ 3,722,265.10	\$ 8,793,710.68	\$ 5,071,445.58
	Operational	\$ 3,282,115.43	\$ 6,478,412.05	\$ 3,196,296.62
	Capital Accounts	\$ 13,916.03	\$ 615,651.27	\$ 601,735.24
	Total Budget	\$ 7,018,296.56	\$ 15,887,774.00	\$ 8,869,477.44



**SYC Balance Sheet**  
**As of 10/31/2020**

**Sacramento Yolo MVCD (SYC)**

**Assets**

**Current Assets**

Cash in Bank-FSA	26,128.48	
Cash with LAIF	5,257,819.12	
Petty Cash	600.00	
US Bank	366,361.49	
Accounts Receivable	112,812.70	
Interest Receivable	30,439.00	
Assigned - Cash With VCJPA	1,607,140.00	
Inventory	720,666.68	
<b>Total Current Assets:</b>		8,121,967.47

**Fixed Assets**

LAND, BLDG., IMPROVEMENT	1,175,092.88	
Construction in Progress	1,897.20	
EQUIPMENT	4,436,427.83	
BOND ROAD	5,061,395.00	
WOODLAND FACILITY	708,574.00	
ACCUMULATED DEPRECIATION	(7,131,794.54)	
<b>Total Fixed Assets:</b>		4,251,592.37

**Other Assets**

Deferred Outflows of Resources	5,285,357.00	
Deferred Outflows of Resources-GASB 75	950,064.00	
<b>Total Other Assets:</b>		6,235,421.00
<b>Total Assets:</b>		18,608,980.84

**Liabilities**

**Current Liabilities**

Accounts Payable	112,549.12	
Payroll Taxes Payable	(0.30)	
Voluntary TL & AD&D	(643.93)	
Voluntary STD	(459.92)	
FSA Deductions	124,798.35	
P.E.R.S. Deductions	(1.04)	
Safety Program	(1,530.00)	
Accumulated Vacation	386,052.62	
<b>Total Current Liabilities:</b>		620,764.90

**Long-Term Liabilities**

Net Pension Liability	10,328,549.00	
Net OPEB Liability	1,790,183.00	
Deferred Inflow of Resources	3,197,032.00	
Deferred Inflow of Resources-GASB 75	90,090.00	
<b>Total Long-Term Liabilities:</b>		15,405,854.00
<b>Total Liabilities:</b>		16,026,618.90

**Equity**

INVESTMENT IN FIX ASSETS	4,251,591.96	
RESERVED CASH ( INS.)	1,607,140.00	
Committed-Capital Outlay	700,000.00	
Unassigned - Dry Financing	6,000,000.00	
GENERAL FUND	(4,980,393.77)	
Retained Earnings-Current Year	(6,995,976.25)	
Committed - Vector/Disease Response	2,000,000.00	
<b>Total Equity:</b>		2,582,361.94

**SYC Balance Sheet**  
**As of 10/31/2020**

**Sacramento Yolo MVCD (SYC)**

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**Total Liabilities & Equity:**

18,608,980.84

SACRAMENTO-YOLO  
**MOSQUITO  
& VECTOR  
CONTROL**  
DISTRICT

**MAILING ADDRESS**

8631 BOND ROAD  
ELK GROVE, CA 95624

1.800.429.1022  
**FIGHTtheBITE.net**

**Gary Goodman, MANAGER**

**2020 BOARD OF TRUSTEES**

**JAYNA KARPINSKI-COSTA**  
PRESIDENT, CITRUS HEIGHTS

**CRAIG BURNETT**  
VICE PRESIDENT, FOLSOM

**GAR HOUSE**  
SECRETARY, WINTERS

**CHRISTOPHER BARKER**  
DAVIS

**RAUL DEANDA**  
WEST SACRAMENTO

**SEAN DENNY**  
WOODLAND

**BRUCE ELDRIDGE**  
YOLO COUNTY

**LYNDON HAWKINS**  
ELK GROVE

**RAYMOND LATORRE**  
SACRAMENTO

**SUSAN MAGGY**  
SACRAMENTO COUNTY

**ROBERT J. MCGARVEY**  
RANCHO CORDOVA

**MARCIA MOONEY**  
GALT

ISLETON

Mr. Bart McDermott  
Stone Lakes National Wildlife Refuge  
U.S. Fish and Wildlife Service  
1624 Hood Franklin Road  
Elk Grove, CA 95758

November 17, 2020

Dear Mr. McDermott,

I am providing an anticipated annual operating plan for monitoring and control of mosquitoes over the calendar year 2021 on lands managed by the Service on the Refuge, pursuant to Section 8 of the Memorandum of Understanding (“MOU”) between the Service and the Sacramento-Yolo Mosquito and Vector Control District (“District”).

Access Requirements

The District will require access to all areas of Refuge land to ensure comprehensive and integrated mosquito control. The District will continue to work with you and your staff to identify areas of concern to avoid negatively affecting sensitive resources.

Monitoring Programs

Following the District’s Mosquito and Mosquito-borne Disease Management Plan (Plan)\*, the monitoring programs will consist of larval sampling, use of adult traps, such as light, BG Sentinel, Encephalitis virus surveillance (“EVS”), Gravid, and other adult traps as well as leg counts, chicken sera testing, and dead bird monitoring. Using these methods will enable us to quantify mosquito prevalence in and around the Refuge, as well as identify when virus activity, particularly West Nile virus (“WNV”) is present. In addition, we ask for your help and support to monitor any unusual bird die-offs that may occur on the Refuge. As WNV is firmly established in the Sacramento Valley, your help and assistance in identifying any such bird die-offs may help provide an early warning system to address the mosquitoes responsible.

Genus and Species Thresholds

The District currently uses the larval density of 0.1 mosquito larva per 350 ml. dipper of water to initiate a larval control response. This threshold reduces nuisance levels of adult mosquitoes and has historically prevented the transmission of disease to the surrounding public. Adult mosquito thresholds are

generally determined through historical levels of adult mosquitoes in the area. The District has established a standard goal of keeping *Culex tarsalis* female mosquitoes below threshold levels of 10 per light trap night or 100 per carbon dioxide baited trap per night when virus has not been detected. When virus activity is detected these thresholds are reduced according to the District's Plan. When adult mosquitoes meet or exceed these established thresholds it may be necessary to implement an adulticiding program to reduce adult mosquitoes to acceptable levels.

Adult mosquitoes of the non-invasive genus *Aedes* are generally determined by landing (leg) and adult trap counts. Landing count thresholds are generally reached when two or more non-invasive *Aedes* species land on an individual during a one-minute time interval.

The District has a zero tolerance threshold for any detected invasive *Aedes* larval or adult mosquitoes, and may initiate additional surveillance if detected in nearby residential areas.

The District has created and sent monthly activity reports detailing all treatments made on Service lands during the 2020 season as well as submitting weekly trapping data. We will continue to submit monthly activity reports and will be happy to provide any additional information upon your request.

#### Physical, Cultural, Biological, and Chemical Control

The District uses an Integrated Pest Management ("IPM") approach when controlling mosquitoes or other vectors. We plant mosquito fish in appropriate bodies of water that may be a source of mosquito development to augment our biological control program. Our Ecological Management Department will continue to provide advice and assistance with implementation of Mosquito Reduction Best Management Practices ("BMPs"). In those areas where physical control or biological control cannot be performed, we use chemical control products designed for mosquitoes. The agents available for the District to use are listed as follows:

##### Larval Control Products (singular or in combination)

*Bacillus thuringiensis israelensis* (Bti)-All formulations

*Bacillus sphaericus*-All formulations

Methoprene -All formulations

Spinosad-All formulations

##### Adult Control Products

Pyrethroids –All liquid formulations

Pyrethrins –All liquid formulations

Naled -All liquid formulations

A list of individual product labels will be provided before the start of the mosquito season for the Refuge to submit individual Pesticide Use Proposals (PUPs).

The District will continue to pursue Refuge water and vegetation management techniques to help minimize larval development and prevent adult emergence wherever possible. Drawing on previous work by the Central Valley Joint Venture Working Group, The District has compiled a list of potential BMPs for a variety of land uses including managed wetlands, and irrigated agricultural fields. Our Ecological Management Department will continue to work to evaluate and assess the efficacy of these BMPs on the Refuge so that mosquito populations can continue to be reduced by physical and cultural practices. Continued communication and coordination will ensure the use of products that minimize impacts on important resources. Our first choice of materials will continue to be larvicides, with a particular focus on *Bacillus* based products and other insect growth regulators. The District will communicate with Refuge Management staff when Spinosad-based products must be utilized. The District will review the Refuge's annual management plans including BMP implementation and flooding schedules with your staff at the beginning of the mosquito season.

#### UAS (Drone) Operations

The District may utilize UAS units to provide aerial imagery, analysis and localized treatments to improve District operations. Any UAS use over Refuge lands will be pre-authorized and approved by Refuge Management and will only be used aiding in mosquito control operations.

#### Timing of Mosquito Control Measures

All applications of mosquito control products are governed by the label, and to some degree meteorological conditions. While we cannot determine the exact time or day when mosquitoes reach levels that warrant control measures, we are determined to maintain the level of communication we have enjoyed with you and your staff to maximize our collaboration moving forward. Informing us prior to flooding or irrigation events minimizes the potential for conflict. We will continue to inform you when control activities involving adulticiding or the use of aerial applications are necessary. This type of open communication will enhance the operations, coordination, and effectiveness of both our Agencies.

We will continue to work with you and your staff to minimize any disturbances on the 457 acre Lewis Property between the dates of October 15 through February 15. The District should be able to work with the Service to limit disturbances during the time-frame mentioned; however, if we experience above-average temperatures, excessive mosquito counts that emanate from this area, and/or the presence of WNV in or around the site, the District may need to extend mosquito

surveillance and control measures into these timeframes. We will coordinate in advance with Refuge staff to minimize any potential impact we may have.

The District will also work with your staff to minimize disturbances around all wetland areas between the dates of September 1<sup>st</sup> and April 1<sup>st</sup> when Sandhill Cranes are typically present on the property. The District will avoid these areas before 9am (unless instructed otherwise) and will notify your staff if any District operations need to access the wetland areas before this time.

Please contact me if you require additional information at 685-1022 ext.2059.

Sincerely,

Gary Goodman  
District Manager

\*See District website for additional details and document downloads at [www.FightTheBite.net](http://www.FightTheBite.net)

**MAILING ADDRESS**

8631 BOND ROAD  
 ELK GROVE, CA 95624

**1.800.429.1022**  
**FIGHTtheBITE.net**

**Gary Goodman, MANAGER**

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ISLETON

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

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

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

As the District receives revenue from taxes and other resources they are deposited with the Yolo County Treasurer. The following is the interest earnings, fund balances and investments of the District for the quarter ending **September 30, 2020.**

Institution		Earnings	Total as of 09/30/2020
Yolo County Treasurer Investment Pool	1.389%*	\$(783.48)	\$(229,419.64)
L.A.I.F.	0.86%	\$21,507.85	\$7,188,258.12
VCJPA-Member Contingency Fund	1.97%	\$4,801.00	\$1,611,908.00
CERBT-Strategy 3		\$62,446.10	\$2,056,144.08
		District Total:	\$10,626,890.56

*\*Rates are reflected as annualized earning rates*



# County of Yolo

www.yolocounty.org

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

## DEPARTMENT OF FINANCIAL SERVICES

625 Court Street, Room 102

PO BOX 1995  
WOODLAND, CA 95776  
PHONE: (530) 666-8190  
FAX: (530) 666-8215  
EMAIL: DFS@yolocounty.org

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

November 09, 2020

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 September 30, 2020. 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 September 30, 2020:	1.389%*		\$ (783.48)**
Quarter ending September 30, 2020:		0.86%	\$ 21,507.85

Placement of Funds as of September 30, 2020:

Yolo County Treasurer's Pool (Fund 6953)	\$ (229,419.64)**
Flexible Spending Account	28,761.36
LAIF	<u>7,188,258.12</u>
Total	\$ 6,987,599.84

\*Rates are reflected above as annualized earning rates and \*\*the negative balance and interest was due year end accounting and adjustments that have been resolved.

Sincerely,



Edward Burnham  
Accounting Manager, Treasury & Finance





# Vector Control Joint Powers Agency

## Member Contingency Fund

For the Quarter Ended  
September 30, 2020

Member District	Balance at Beginning of Quarter	Contribution	(Withdrawals)	Interest Earned	Allocated Admin.	Balance at End of Quarter
Alameda County	374,772			1,119	(8)	375,883
Burney Basin	51,067		(8,301)	140	(1)	42,905
Butte County	295,277			882	(6)	296,153
Coachella Valley	628,287	399,677	(399,677)	1,876	(14)	630,149
Coalinga-Huron	7,393			22	0	7,415
Colusa	91,726		(53)	274	(2)	91,945
Compton Creek	70,828		(103)	211	(2)	70,934
Consolidated	398,989			1,191	(9)	400,171
Contra Costa	1,283,824		(2,520)	3,830	(28)	1,285,106
Durham	4,405			13	0	4,418
Fresno	224,248			670	(5)	224,913
Glenn County	43,708			131	(1)	43,838
Greater Los Angeles	1,395,710			4,168	(30)	1,399,848
Lake County	143,442			428	(3)	143,867
Los Angeles County West	680,310			2,032	(15)	682,327
Marin-Sonoma	836,792			2,499	(18)	839,273
Napa County	1,330,225	530		3,973	(29)	1,334,699
No Salinas Valley	620,056			1,852	(13)	621,895
Northwest	349,658			1,044	(8)	350,694
Orange County	448,911			1,341	(10)	450,242
Oroville	12,122			36	0	12,158
Pine Grove	30,918	2,045		95	(1)	33,057
Placer	191,346			571	(4)	191,913
Sacramento-Yolo	1,607,140			4,801	(33)	1,611,908
San Gabriel Valley	104,965			313	(2)	105,276
San Joaquin County	721,204		(232,108)	1,807	(13)	490,890
San Mateo County	512,623		(5,000)	1,523	(11)	509,135
Santa Barbara County	66,579			199	(1)	66,777
Shasta	263,578			787	(6)	264,359
Sutter-Yuba	368,152			1,099	(8)	369,243
Tehama County	283,540			847	(6)	284,381
Turlock	258,055			771	(6)	258,820
West Valley	324,509			969	(7)	325,471
<b>Total</b>	<b>14,024,359</b>	<b>402,252</b>	<b>(647,762)</b>	<b>41,514</b>	<b>(300)</b>	<b>13,820,062</b>

**Notes:**  
Yield to maturity rate on the VCJPA portfolio is 1.97% 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.

# Sacramento-Yolo Mosquito & Vector Control District

CERBT Strategy 3

Entity #: SKB8-1375523307

Quarter Ended September 30, 2020



## Market Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Balance	\$1,994,136.54	\$1,994,136.54
Contribution	0.00	0.00
Disbursement	0.00	0.00
Transfer In	0.00	0.00
Transfer Out	0.00	0.00
Investment Earnings	62,446.10	62,446.10
Administrative Expenses	(253.33)	(253.33)
Investment Expense	(185.23)	(185.23)
Other	0.00	0.00
Ending Balance	\$2,056,144.08	\$2,056,144.08
FY End Contrib per GASB 74 Para 22	0.00	0.00
FY End Disbursement Accrual	0.00	0.00
Grand Total	\$2,056,144.08	\$2,056,144.08

## 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	16.101823	16.101823
Period Ending Unit Value	16.602508	16.602508

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

Statement of Transaction Detail for the Quarter Ending 09/30/2020

Sacramento-Yolo Mosquito & Vector Control District

Entity #: SKB8-1375523307



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

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

## **November 17, 2020 Board Meeting**

### **3. Board Review and Discussion of the 2019-2020 District Audit**

#### **Staff Report:**

Please find enclosed the 2019-2020 District Audit. A representative from Mann, Urrutia, Nelson CPAs and Associates LLP will be available to answer any questions the Board may have.

#### **Recommendation:**

**Staff recommends acceptance of the report.**



Annual Financial Statements and  
Independent Auditor's Report  
For the Year Ended  
June 30, 2020

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**ANNUAL FINANCIAL REPORT**  
**FOR THE YEAR ENDED JUNE 30, 2020**

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## **INDEPENDENT AUDITOR'S REPORT**

To the Board of Trustees  
Sacramento - Yolo Mosquito and Vector Control District  
Elk Grove, California

### **Report on the Financial Statements**

We have audited the accompanying financial statements of the governmental activities and major fund of the Sacramento - Yolo Mosquito and Vector Control District (the District) as of and for the year ended June 30, 2020, and the related notes to the financial statements, which collectively comprise the District's basic financial statements as listed in the table of contents.

### **Management's Responsibility for the Financial Statements**

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

### **Auditor's Responsibility**

Our responsibility is to express opinions on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

### **Opinion**

In our opinion, the financial statements referred to above and the respective budgetary comparison for the General Fund present fairly, in all material respects, the respective financial position of the governmental activities and the major fund of the District, as of June 30, 2020 and the respective changes in financial position thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.



## **Other Matters**

### *Required Supplementary Information*

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis on pages 3 - 9, schedules related to the District's net pension liability on pages 35 - 36, and the schedules related to the District's net other post employment benefits liability on pages 37 - 38 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

### **Other Reporting Required by Government Auditing Standards**

In accordance with *Government Auditing Standards*, we have also issued our report dated November 6, 2020, on our consideration of the District's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the District's internal control over financial reporting and compliance.

*Manny Munia, Nelson CPA's*

Sacramento, California  
November 6, 2020

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
JUNE 30, 2020**

The following Management's Discussion and Analysis (MD&A) of the Sacramento-Yolo Mosquito and Vector Control District's (the "District") activities and financial performance provides an introduction to the financial statements of the District for the fiscal year ended June 30, 2020.

Following this MD&A are the basic financial statements of the District together with the notes are essential to a full understanding of the data contained in the financial statements.

**DISTRICT ACTIVITIES HIGHLIGHTS**

The District is headquartered in South Sacramento County on Bond Road in Elk Grove, CA. District facilities also include a Yolo County service office in Woodland, California. The District has provided mosquito and vector control for Sacramento and Yolo counties since it was established in 1946. The Board of Trustees consists of 13 trustees which are appointed by the each of the two counties and the incorporated cities served by the District. The General Manager coordinates and oversees the activities of the District and supervises over 75 Board authorized positions who work together in the public interest.

Mosquitoes that can carry encephalitis, malaria, West Nile virus and canine heartworm are prevalent throughout the District. Yellow jacket infestation outbreaks can occur seasonally and become a public health threat and severe nuisance to the public and domestic animals. The District's surveillance program detected an invasive mosquito species, *Aedes aegypti*, for the first time ever. This species can transmit zika, dengue and chikungunya. Ticks are sampled and analyzed for abundance and the presence of tick borne diseases such as Lyme's disease, babesia, or ehrlichiosis.

Mosquito and vector control activities include the principles of Integrated Pest Management ("IPM"). These principles include public education regarding mosquitoes and other vectors, surveillance of vector populations through trapping and monitoring, physical control, larval mosquito control, adult mosquito control, and applied research. These activities are generally conducted throughout the year, with the highest level of activity occurring between the months of April and October when insect abundance and activity tends to be at their peaks.

The District received \$16,159,600 in revenues for fiscal year 2019-2020, an increase of \$733,823 from fiscal year 2018-2019. Expenditures increased by \$1,241,410 from the previous fiscal year. The increase in revenues is consistent with the continued stabilization of the housing market and the increase in expenditures is mainly due to an increase in the required CalPERS benefit payments and an increase in pesticide purchases.

**Public Education**

The public information and education department strives to promote awareness of mosquitoes and diseases transmitted by mosquitoes through an aggressive advertising campaign utilizing a variety of elements including television ads, radio spots, online advertising and outdoor messages such as bus ads and billboards. Main messages include the importance of draining stagnant water to eliminate mosquito breeding sources and personal protection through the use of an effective mosquito repellent when spending time outdoors. Education and outreach efforts include school and community presentations, reaching out to local elected officials and participation in a variety of community events to disseminate prevention messages.

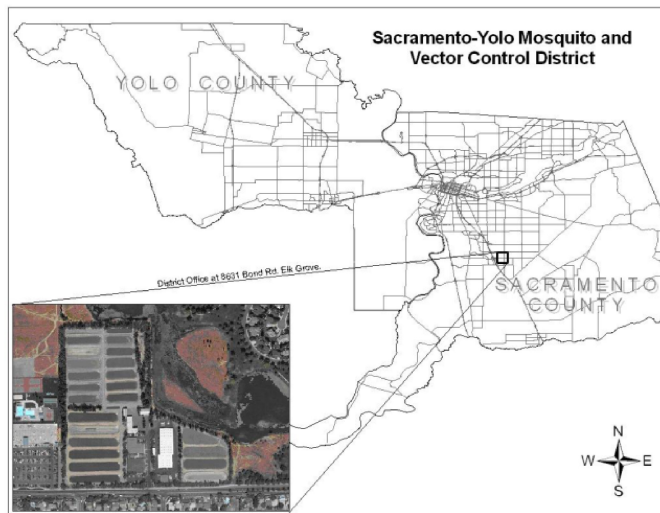
**Ecological Management**

Three full-time employees work with local, state, and federal resource agencies as well as private landowners to develop strategies that reduce mosquito development through ecological management. In addition, this department administratively prepares abatement orders to private land owners that fail to address mosquitoes on property they own. While a minor portion of the operating budget is directed to this department, the annual goals are to facilitate changes in land management that is anticipated to ultimately reduce mosquito development overall and reduce costs in other categories.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
JUNE 30, 2020**

**Biological Control**

Three full-time employees, supplemented with seasonal employees, culture and maintain mosquito fish at the District facility in Elk Grove. Twenty-three ponds produce approximately 4,000 pounds of fish annually that are stocked in permanent and semi-permanent bodies of water that produce, or have the potential to produce, immature mosquitoes. Sources where mosquito fish are planted on an annual basis include irrigated agriculture and ditches, wetlands, and unmaintained swimming pools.



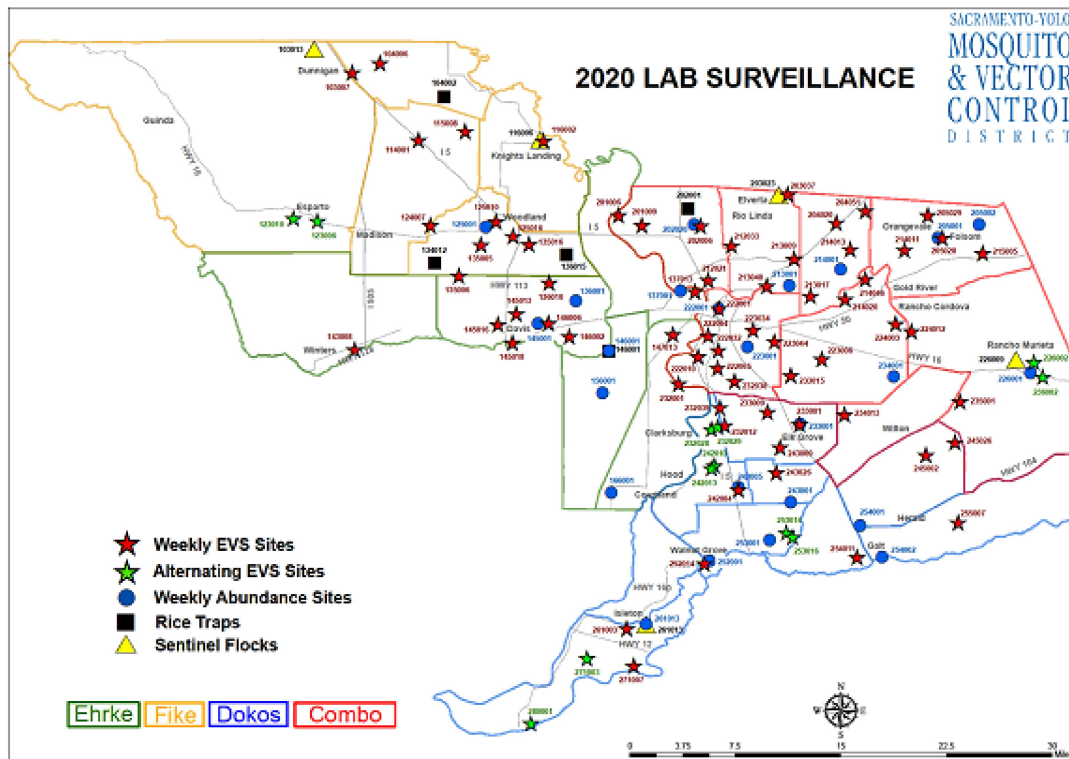
**Larval Mosquito Surveillance and Control**

Thirty-nine full-time and numerous seasonal employees conduct surveillance of aquatic sites to determine larval abundance and take corrective measures. When biological or ecological measures are not feasible, the use of microbial larvicides and insect growth regulators are used to reduce immature mosquito populations. Typical sites include irrigated agriculture, wetlands, storm drains, and backyard swimming pools. Over 160,000 treatments are annually made at these locations.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
JUNE 30, 2020**

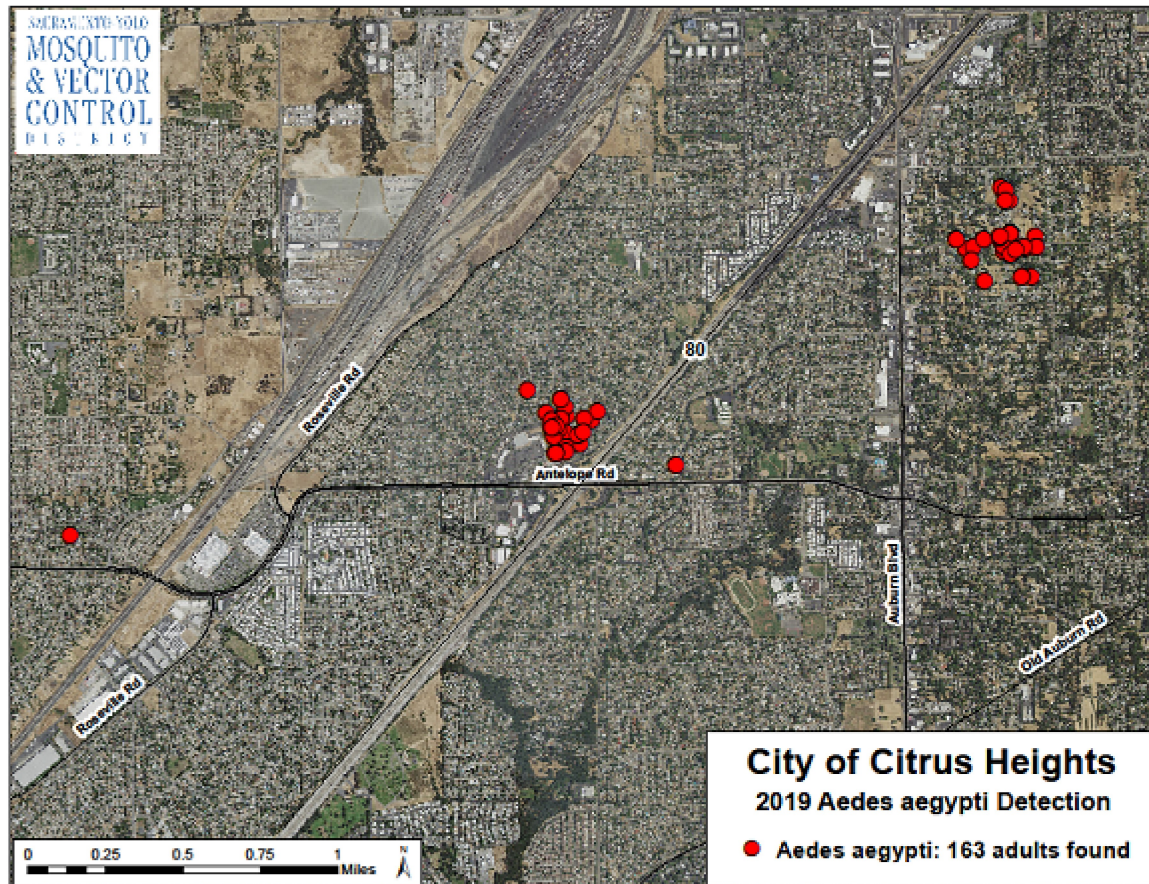
Adult Mosquito Surveillance and Adult Mosquito Control Agents

Twelve full-time employees, supplemented with seasonal employees are responsible for adult mosquito surveillance to determine when numeric thresholds and risk assessments are met. A variety of traps and sentinel animals are distributed throughout Sacramento and Yolo County(s) to assess adult mosquito populations and disease risk. Analysis of these surveillance results direct control methods designed to reduce adult mosquito populations and reduce the risk of disease transmission and annoyance.



**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
JUNE 30, 2020**

The detection of *Aedes aegypti* at the end of 2019 is highlighted in the following map.



Vehicle and Equipment Maintenance

The District has over 90 vehicles maintained by 3 full-time mechanics. Pumps, spray equipment, and other specialized equipment are maintained by District shop personnel.

GIS and IT Systems

The District employs two full-time personnel to ensure information technology and geographic information systems are of the latest technology available and provide District field personnel with the most efficient tools available to allow them to do their jobs effectively.

Contract, Professional Services and Support Systems

This category includes items such as the aerial applicators used to spray the larvicides and adulticides, legal services, training and conference attendance, utilities and fuel, grounds and maintenance, and other support systems.



**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
JUNE 30, 2020**

Other Post Retirement Benefits

The District implemented GASB 75 which resulted in a net other post retirement benefits (OPEB) liability for the fiscal year 2019-2020. See Notes 7 for more detail.

Significant Events

West Nile virus ("WNV") continues to be the primary mosquito borne disease in California. This virus is carried by mosquitoes and remains a significant threat to the public health of residents within the District. In fiscal year 2019-2020, the District continued to see increased WNV activity in areas of Sacramento and Yolo Counties resulting in the need to treat various areas of the District for adult mosquitoes.

The District contracts with Vector Disease Control Incorporated (VDCI) for aerial adult mosquito control measures in both urban and rural areas of the District. VDCI stationed an airplane in Sacramento to be available whenever the need arose to treat for adult mosquitoes and combat WNV. There were no urban applications completed this fiscal year in the District. Numerous rural applications were made by VDCI during the mosquito season.

The invasive mosquito species, *Aedes aegypti*, was first detected in the District on August 29, 2019 in Citrus Heights. This particular mosquito is not native to this area but over the past 10 years has been slowly establishing itself in various parts of California. The surveillance and control efforts for this mosquito are more labor intensive than our traditional native species and therefore required more time and effort from staff at the end of our West Nile season. Our final detection of *Aedes aegypti* was in mid-November of 2019 and we did not detect anything for the rest of the fiscal year.

**FINANCIAL POSITION SUMMARY**

The District has designed a financial accounting system to record its financial activities, provide budgetary control and analysis, and report its financial position and results of operations. A condensed summary of the District's financial statements is shown below:

Condensed Summary of Assets, Liabilities and Net Position:

	<u>2020</u>	<u>2019</u>	<u>Change</u>
<b>Assets</b>			
Current and other assets	\$ 15,405,487	\$ 13,232,380	\$ 2,173,107
Capital assets, net	<u>4,251,592</u>	<u>4,575,352</u>	<u>(323,760)</u>
Total Assets	<u>19,657,079</u>	<u>17,807,732</u>	<u>1,849,347</u>
Deferred outflows of resources	<u>6,235,421</u>	<u>7,846,637</u>	<u>(1,611,216)</u>
<b>Liabilities</b>			
Current and other liabilities	747,891	475,881	272,010
Long-term liabilities	<u>12,279,149</u>	<u>14,801,579</u>	<u>(2,522,430)</u>
Total Liabilities	<u>13,027,040</u>	<u>15,277,460</u>	<u>(2,250,420)</u>
Deferred inflows of resources	<u>3,287,122</u>	<u>1,299,388</u>	<u>1,987,734</u>
<b>Net Position</b>			
Invested in capital assets	4,251,592	4,575,352	(323,760)
Unrestricted net position	<u>5,326,746</u>	<u>4,502,169</u>	<u>824,577</u>
Total Net Position	<u>\$ 9,578,338</u>	<u>\$ 9,077,521</u>	<u>\$ 500,817</u>

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
JUNE 30, 2020**

The District's assets and deferred outflows of resources exceeded liabilities and deferred inflows of resources by \$9,578,338 at June 30, 2020, an increase of \$500,817 from June 30, 2019. This increase in net position can be attributed to a higher revenue receipt than expected. Capital assets decreased \$323,760 in 2020 mainly due to depreciation of \$398,831 offset by purchase of various projects and equipment.

Current and other assets include cash and short-term investments that are used to pay expenses and liabilities, make capital investments and provide working capital for the District. The District receives its revenues when property taxes are paid and remitted from the counties. Property taxes are due in semiannual installments and are generally paid in November, December, May and June of each year. Cash and investment levels are generally highest in December and June. These cash and investment balances carry the District's cash requirements for the next six months when virtually no cash revenues are received. Cash levels are lowest in October and April. The District has no debt financing.

Condensed Summary of Revenues and Expenses per the government-wide statements:

	<u>2020</u>	<u>2019</u>	<u>Change</u>
Revenues	\$ 16,159,600	\$ 15,425,777	\$ 733,823
Expenses	<u>15,658,783</u>	<u>14,417,373</u>	<u>1,241,410</u>
Excess (deficiency) of revenues over expenses	<u>\$ 500,817</u>	<u>\$ 1,008,404</u>	<u>\$ (507,587)</u>

**FINANCIAL OPERATIONS HIGHLIGHTS FOR FISCAL 2019-2020**

- Revenues increased by \$733,823. This is due to the turnaround of the housing market from the past few years and the increase in home values.
- Operating expenses increased 9% from \$14,417,373 to \$15,658,783. The increase in expenditures is mainly due to an additional payment for PERS retirement and a significant increase in pesticide purchases needed for the mosquito season. Other categories fluctuate based on the specific need at the time and the increase in general pricing from year to year.
- The District has continued to recognize the potential for revenue and expenditure volatility resulting from legislative measures, current economic reality and the potential for emerging mosquitoes and mosquito borne diseases.

**ANALYSIS OF SIGNIFICANT BUDGET-TO-ACTUAL VARIATIONS PER THE FUND FINANCIAL STATEMENTS**

	<u>Actual</u>	<u>June 30, 2020 Budget</u>	<u>Variance</u>
Revenues	\$ 16,159,600	\$ 15,477,308	\$ 682,292
Expenditures	<u>14,271,218</u>	<u>15,342,341</u>	<u>1,071,123</u>
Net increase (decrease)	<u>\$ 1,888,382</u>	<u>\$ 134,967</u>	<u>\$ 1,753,415</u>

The District prepares an annual budget and measures actual results versus budget amounts on a monthly and annual basis. The budget is prepared by management and approved by the Board of Trustees. During fiscal year 2019-2020 revenues exceeded budget by \$682,292. Property values have appeared to stabilize, and most analysts expect to see an increase in property values and sales which were reflected in the past few years. The global pandemic due to COVID-19 may have a significant impact on property tax revenue, but at this time the impact is unknown. Revenue assumptions continue to be based on property tax revenues received from the previous year and anticipated growth forecasts. Counties determine the assessed valuations for the property tax rolls and the amount actually received is generally different than the budgeted amount due to changes in assessments and collections that occur during the year, as well as changes in the housing market as earlier described.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
JUNE 30, 2020**

Operating expenses of the District are budgeted based on historical amounts and anticipated needs and events expected to occur during the fiscal year. With the arrival of West Nile virus, anticipating areas of outbreaks and determining appropriate responses can be difficult. In addition, the volatility of the state and local economic measures make forecasting of both revenues and expenditures challenging.

The District relies on local government programs for support services. For example, both Sacramento and Yolo county(s) have implemented restructuring of staffing that have a direct impact on District functions. The District has not received timely financial statements from Yolo County due to employee changes and restructuring, resulting in the District missing investment report deadlines. Revenue forecasting, expenditures in health care and retirement benefits, and coordination with local services will remain a challenge as the District is dependent on information from national, state and local sources.

**FINANCIAL STATEMENTS**

The District's financial statements are prepared on an accrual basis in accordance with generally accepted accounting principles promulgated by the Governmental Accounting Standards Board. The District is structured as a single governmental fund. Revenues are recognized when they become measurable and available. Expenses are recognized when incurred. Capital assets are capitalized and depreciated.

**DESCRIPTION OF SIGNIFICANT CAPITAL ASSET ACTIVITIES**

The District prepares a capital budget each year to plan for the orderly replenishment of equipment and facilities. Capital investments are usually financed internally from operations. During fiscal year 2020, the District made capital investment purchases totaling \$167,647.

**DESCRIPTION OF CURRENTLY KNOWN FACTS, DECISIONS, OR CONDITIONS**

West Nile Virus continues to be a significant mosquito borne disease in the District and now that it is endemic the extent of virus activity will be unknown from year to year. The Board of Trustees has committed funds to respond as appropriate to WNV and other diseases. The District will continue to respond to local outbreaks within the District boundaries as necessary. Invasive mosquitoes have been recently found within our District boundaries and will require additional resources to address. We anticipate that as the housing construction continues that we will have a need for more staff to address the needs of the residents appropriately.

**USING THIS AUDIT REPORT**

This annual financial report consists of two parts – management's discussion and analysis (this section), and the basic financial statements. The financial statements also include Notes to the Financial Statements that further explain some of the information in the financial statements and provide additional data regarding the Agency's operations.

**ADDITIONAL FINANCIAL INFORMATION**

This financial report is designed to provide interested parties with an overview of the District's financial operations and financial condition. Should the reader have questions regarding the information included in this report or wish to request additional financial information, please contact the District's Manager at 8631 Bond Road, Elk Grove, California 95624.



**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**STATEMENT OF NET POSITION**  
**JUNE 30, 2020**

	<b><u>Governmental Activities</u></b>
<b><u>ASSETS</u></b>	
Cash and investments (Note 2)	\$ 12,337,088
Cash with fiscal agent (Note 2, Note 9)	1,607,140
Accounts receivable	710,153
Interest receivable	30,439
Inventory	720,667
Capital assets, net of accumulated depreciation (Note 3)	<u>4,251,592</u>
<b>Total Assets</b>	<b><u>19,657,079</u></b>
Deferred outflows of resources	
Related to net other post employment benefits (OPEB) liability (Note 7)	950,064
Related to net pension liability (Note 6)	<u>5,285,357</u>
<b>Total Deferred Outflows of Resources</b>	<b><u>6,235,421</u></b>
<b>Total Assets and Deferred Outflows of Resources</b>	<b><u>\$ 25,892,500</u></b>
<b><u>LIABILITIES</u></b>	
Accounts payable and other accrued liabilities	\$ 522,255
Compensated absences (Note 4):	
Due within one year	225,636
Due in more than one year	160,417
Net other post employment benefits (OPEB) liability (Note 7)	
Due in more than one year	1,790,183
Net pension liability (Note 6)	
Due in more than one year	<u>10,328,549</u>
<b>Total Liabilities</b>	<b><u>13,027,040</u></b>
Deferred inflows of resources	
Related to net other post employment benefits (OPEB) liability (Note 7)	90,090
Related to net pension liability (Note 6)	<u>3,197,032</u>
<b>Total Deferred Inflows of Resources</b>	<b><u>3,287,122</u></b>
<b>Total Liabilities and Deferred Inflows of Resources</b>	<b><u>16,314,162</u></b>
<b><u>NET POSITION</u></b>	
Net investment in capital assets	4,251,592
Unrestricted	<u>5,326,746</u>
<b>Total Net Position</b>	<b><u>9,578,338</u></b>
<b>Total Liabilities, Deferred Inflows of Resources and Net Position</b>	<b><u>\$ 25,892,500</u></b>

See accompanying notes to the basic financial statements.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**STATEMENT OF ACTIVITIES**  
**FOR THE YEAR ENDED JUNE 30, 2020**

		<u>Program Revenues</u>		<u>Net (Expense) Revenue and Change in Net Position</u>
	<u>Expenses</u>	<u>Operating Grants and Contributions</u>	<u>Capital Grants and Contributions</u>	<u>Governmental Activities</u>
<b><u>Governmental Activities</u></b>				
General Government	\$ <u>15,658,783</u>	\$ <u>26,669</u>	\$ <u>-</u>	\$ <u>(15,632,114)</u>
Total Governmental Activities	\$ <u><u>15,658,783</u></u>	\$ <u><u>26,669</u></u>	\$ <u><u>-</u></u>	\$ <u><u>(15,632,114)</u></u>
General Revenues:				
				15,737,136
				195,949
				30,615
				5,773
				<u>163,458</u>
Total General Revenues				<u>16,132,931</u>
Change in Net Position				500,817
Net Position - July 1, 2019				<u>9,077,521</u>
Net Position - June 30, 2020				\$ <u><u>9,578,338</u></u>

See accompanying notes to the basic financial statements.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**BALANCE SHEET**  
**GOVERNMENTAL FUND**  
**JUNE 30, 2020**

	<u>General Fund</u>
<b><u>ASSETS</u></b>	
Cash and investments	\$ 12,337,088
Cash with fiscal agent	1,607,140
Accounts receivable	710,153
Interest receivable	30,439
Inventory	<u>720,667</u>
Total Assets	<u>15,405,487</u>
<b><u>LIABILITIES</u></b>	
Accounts payable and other accrued liabilities	<u>522,255</u>
Total Liabilities	<u>522,255</u>
<b><u>FUND BALANCE</u></b>	
Non-spendable	
Inventory	720,667
Committed	
Disease response	2,000,000
Capital outlay	700,000
Assigned	
Cash with fiscal agent	1,607,140
Unassigned	<u>9,855,425</u>
Total Fund Balance	<u>14,883,232</u>

*Amounts reported for governmental activities in the Statement of Net Position are different because:*

Capital assets used in governmental activities are not financial resources and therefore are not reported in the fund, net of accumulated depreciation of \$7,131,795.	4,251,592
Other long-term assets used in governmental activities are not financial resources and therefore not reported in the funds.	
Deferred outflows related to changes in net OPEB liability	950,064
Pension contributions made subsequent to the measurement date	1,429,083
Deferred outflows related to changes in the net pension liability	3,856,274
Long term liabilities and related deferred items are not due and payable in the current period and therefore are not reported in the fund.	
Deferred inflows related to changes in the net pension liability	(3,197,032)
Net pension liability	(10,328,549)
Deferred inflows related to changes in net OPEB liability	(90,090)
Net OPEB liability	(1,790,183)
Compensated absences	<u>(386,053)</u>
Net position of governmental activities	<u>\$ 9,578,338</u>

See accompanying notes to the basic financial statements.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**STATEMENT OF REVENUES, EXPENDITURES, AND CHANGE IN FUND BALANCE**  
**GOVERNMENTAL FUND**  
**FOR THE YEAR ENDED JUNE 30, 2020**

	<u>General Fund</u>
<b><u>REVENUES</u></b>	
Property taxes	\$ 14,749,120
Interest	195,949
Other tax revenue	988,016
Other revenues	<u>226,515</u>
Total Revenues	<u>16,159,600</u>
<b><u>EXPENDITURES</u></b>	
Aircraft services	769,925
Auditing / fiscal	16,000
Capital outlay	219,918
Communications	69,047
Control operations	31,413
District office expenses	14,949
Ecological management	9,591
Fisheries	24,612
Gas and petroleum	131,094
Geographic information systems	4,253
Information technology	55,018
Insecticides	959,654
Insect growth regulator	1,079,412
Laboratory services	193,056
Liability insurance	145,617
Materials and supplies	10,590
Member / training	81,314
Microbial	1,317,852
Professional services	179,584
Public information	398,831
Rents and leases	11,149
Safety program	1,980
Salaries and benefits	8,251,917
Structure and grounds	96,209
Utilities	96,818
Vehicle parts and labor	<u>101,415</u>
Total Expenditures	<u>14,271,218</u>
Change in Fund Balance	1,888,382
Fund Balance - July 1, 2019	<u>12,994,850</u>
Fund Balance - June 30, 2020	<u>\$ 14,883,232</u>

See accompanying notes to the basic financial statements.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**RECONCILIATION OF THE STATEMENT OF REVENUES, EXPENDITURES, AND CHANGE**  
**IN FUND BALANCE TO THE STATEMENT OF ACTIVITIES**  
**FOR THE YEAR ENDED JUNE 30, 2020**

Reconciliation of the change in fund balance - governmental fund to the change in net position of governmental activities:

Change in fund balance - governmental fund	\$ 1,888,382
The governmental fund reports capital outlays as expenditures while governmental activities report depreciation as expense to allocate those expenditures over the life of the assets:	
Capital asset purchases capitalized	167,647
Depreciation expense	(491,407)
Some expenses reported in the Statement of Activities do not require the use of current financial resources and therefore are not reported as expenditures in the governmental fund:	
Compensated absences	31,713
Changes in the net pension liability and related deferrals	(991,858)
Other post employment benefits and related deferrals	<u>(103,660)</u>
Change in net position of governmental activities	<u>\$ 500,817</u>

See accompanying notes to the basic financial statements.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**STATEMENT OF REVENUES, EXPENDITURES AND CHANGE IN FUND BALANCE**  
**BUDGET AND ACTUAL**  
**FOR THE YEAR ENDED JUNE 30, 2020**

	<u>Budget</u>		<u>Actual</u>	<u>Variance- Favorable (Unfavorable)</u>
	<u>Original</u>	<u>Final</u>		
<b>REVENUE</b>				
Total Revenue	\$ <u>15,477,308</u>	\$ <u>15,477,308</u>	\$ <u>16,159,600</u>	\$ <u>682,292</u>
<b>EXPENDITURES</b>				
Aircraft services	945,500	945,500	769,925	175,575
Auditing / fiscal	17,750	17,750	16,000	1,750
Capital outlay	523,049	523,049	219,918	303,131
Communications	79,500	79,500	69,047	10,453
Control operations	32,430	32,430	31,413	1,017
District office expenses	15,000	15,000	14,949	51
Ecological management	15,200	15,200	9,591	5,609
Fisheries	27,000	27,000	24,612	2,388
Gas and petroleum	172,000	172,000	131,094	40,906
Geographic information systems	7,125	7,125	4,253	2,872
Information technology	48,200	48,200	55,018	(6,818)
Insecticides	1,000,000	1,000,000	959,654	40,346
Insect growth regulator	950,000	950,000	1,079,412	(129,412)
Laboratory services	163,200	163,200	193,056	(29,856)
Liability insurance	150,854	150,854	145,617	5,237
Materials and supplies	10,000	10,000	10,590	(590)
Member / training	121,000	121,000	81,314	39,686
Microbial	1,500,000	1,500,000	1,317,852	182,148
Professional services	190,250	190,250	179,584	10,666
Public information	465,500	465,500	398,831	66,669
Research	50,000	50,000	-	50,000
Rents and leases	11,550	11,550	11,149	401
Safety program	5,000	5,000	1,980	3,020
Salaries and benefits	8,579,233	8,579,233	8,251,917	327,316
Structure and grounds	65,000	65,000	96,209	(31,209)
Utilities	110,000	110,000	96,818	13,182
Vehicle parts and labor	<u>88,000</u>	<u>88,000</u>	<u>101,415</u>	<u>(13,415)</u>
Total Expenditures	<u>15,342,341</u>	<u>15,342,341</u>	<u>14,271,218</u>	<u>1,071,123</u>
<b>Excess (deficiency) of revenue over expenditures</b>	\$ <u>134,967</u>	\$ <u>134,967</u>	1,888,382	\$ <u>1,753,415</u>
<b>Fund balance - July 1, 2019</b>			<u>12,994,850</u>	
<b>Fund balance - June 30, 2020</b>			<u>\$ 14,883,232</u>	

See accompanying notes to the basic financial statements.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

**A. Description of the Reporting Entity**

The Sacramento – Yolo Mosquito and Vector Control District (the District) was formed by joint resolution of the Boards of Supervisors of Sacramento and Yolo Counties on June 18, 1946. The purpose of the District is to provide protection to the people against mosquito-borne diseases and relief from serious pest nuisance. The power to govern is derived from the State Health and Safety Code, Chapter 5 of Division 3. The District is governed by a Board of Trustees, each appointed for a two or four-year term by one of the eleven incorporated City Councils or by two of the County Boards of Supervisors.

**B. Basis of Presentation**

The District's basic financial statements are prepared in conformity with accounting principles generally accepted in the United States of America. The Government Accounting Standards Board is the acknowledged standard setting body for establishing accounting and financial reporting standards followed by governmental entities in the United States of America.

These standards require that the financial statements described below be presented.

Government-wide Financial Statements

The Statement of Net Position and Statement of Activities display information about the reporting government as a whole. They include the activities of the District's overall government. The District's net position is reported in three parts: net investment in capital assets; restricted net position; and unrestricted net position. The District first utilizes restricted resources to finance qualifying activities. Governmental activities generally are financed through taxes and other non-exchange revenues.

The Statement of Activities presents a comparison between direct expenses and program revenues for each segment of the District's governmental activities. Direct expenses are those that are specifically associated with a program or function and, therefore, are clearly identifiable to a particular function. Program revenues include grants and contributions that are restricted to meeting the operational needs of a particular program. Revenues that are not classified as program revenues, including all taxes, are presented as general revenues.

Fund Financial Statements

The fund financial statements provide information about the District's fund. The District's only governmental fund is the General Fund. The General Fund is the general operating fund of the District and is always classified as a major fund. It is used to account for all financial resources of the general government and is accounted for by providing a separate set of self-balancing accounts that constitute its assets, liabilities, fund equity, revenues and expenditure/expenses.

**C. Measurement Focus and Basis of Accounting**

The governmental activities in the government-wide financial statements are presented on the accrual basis of accounting. Under the accrual basis of accounting, revenues are recognized when earned and expenses are recorded when the liability is incurred or economic asset is used. The modified accrual basis of accounting is used by the governmental fund types. Under the modified accrual basis of accounting, revenues are recognized when susceptible to accrual (i.e., when they become both measurable and available). "Measurable" means collectible within the current period or soon enough thereafter to be used to pay liabilities of the current period. The District considers property taxes available if they are collected within 60 days after year end. Expenditures are recorded when the related fund liability is incurred.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)**

Those revenues susceptible to accrual are property taxes, special assessments, interest revenue or charges for services. Revenues consist mainly of property taxes, which are calculated by Sacramento and Yolo Counties. Tax levies are established in March of each year and are generally due in two installments in April and December of each year. Tax payments are remitted to the District by the respective county offices.

**D. Cash and Investments**

The District holds cash and investments with the Yolo County Treasury and State of California Local Agency Investment Fund (LAIF). Yolo County maintains a cash and investments pool and allocates interest to the various funds based upon the average monthly cash balances. Investments held at June 30, 2020 with original maturities greater than three months are stated at fair value. Fair value is estimated based on quoted market prices at year end.

**E. Accounts Receivable and interest receivable**

In the government-wide statements, receivables consist of all revenues earned at year-end and not yet received. Receivables are recorded in the financial statements net of any allowance for doubtful accounts if applicable. Major receivable balances for the governmental activities include revenue from other governments and interest.

In the fund financial statements, material receivables in governmental funds include revenue accruals such as revenue from other governments and interest revenues since they are usually both measurable and available. Nonexchange transactions collectible but not available are recorded as deferred inflows of resources in the fund financial statements in accordance with modified accrual, but not deferred in the government-wide financial statements in accordance with the accrual basis. Interest and other inflows of resources are recorded when earned only if paid within 60 days since they would be considered both measurable and available.

**F. Inventory**

Inventory is valued at cost, which approximates market, using the first-in/first out (FIFO) method. The costs of governmental fund-type inventory are recorded as expenditures when consumed rather than purchased.

**G. Capital Assets**

In the government-wide financial statements, capital assets with a historical cost over \$1,000 are accounted for as capital assets. All capital assets are valued at historical cost, or an estimate of historical cost if actual cost is unavailable. Donated capital assets are valued at their estimated fair market value on the date received. Depreciation is computed for financial statement purposes using the straight-line method. The estimated useful lives for these depreciated assets are as follows:

Building and improvements	40 years
Vehicles, furniture, and equipment	5 to 7 years

**H. Compensated Absences**

Generally, earned vacation may be accumulated up to a maximum of 400 hours by all personnel. District employees do not receive compensation for accumulated sick leave upon termination of employment; however, accrued but unused sick leave at the time of termination shall be allowed as service time for purposes of PERS retirement benefits, so long as it is consistent with the applicable PERS contract and statutes. Accordingly, no sick leave has been accrued. The total estimated liability for vacation at June 30, 2020 was \$386,053.



**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)**

**I. Property Taxes**

Property tax revenue is recognized in the fiscal year for which the tax and assessment is levied. The counties of Yolo and Sacramento levy, bill, and collect property taxes and special assessments for the District. Under the counties' "teeter plans," the counties remit the entire amount levied and handle all delinquencies, retaining interest and penalties.

The term "unsecured" refers to taxes on personal property other than real estate, land, and buildings. These taxes are secured by liens on the property being taxed. Property tax revenues are recognized by the District in the fiscal year they are assessed.

The counties of Yolo and Sacramento assess properties, bill for, collect, and distribute property taxes for the District per the following schedule:

	Secured	Unsecured
Valuation dates	March 1	March 1
Lien/levy dates	July 1	July 1
Due dates	50% on November 1 50% on February 1	July 1
Delinquent dates	December 10, April 10	August 31

**J. Pensions**

For purposes of measuring the net pension liability and deferred outflows/inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the District's California Public Employees' Retirement System (CalPERS) plan (Plan) and additions to/deductions from the Plan's fiduciary net position have been determined on the same basis as they are reported by CalPERS. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

**K. Other Post Employment Benefits**

For purposes of measuring the net OPEB liability, deferred outflows of resources and deferred inflows of resources related to OPEB, and OPEB expense, information about the fiduciary net position of the District's plan (OPEB Plan) and additions to/deductions from the OPEB Plan's fiduciary net position have been determined on the same basis. For this purpose, benefit payments are recognized when currently due and payable in accordance with the benefit terms. Investments are reported at fair value.

Generally accepted accounting principles require that the reported results must pertain to liability and assets information within certain defined timeframes. For this report, the following timeframes are used:

Valuation Date	June 30, 2019
Measurement Date	June 30, 2019
Measurement Period	July 1, 2018 - June 30, 2019

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
NOTES TO BASIC FINANCIAL STATEMENTS  
JUNE 30, 2020

**NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)**

**L. Deferred Outflows/Inflows of Resources**

In addition to assets, the Statement of Net Position, or balance sheet, will sometimes report a section for deferred outflows of resources. This separate financial statement element, deferred outflows of resources, represents a consumption of net position that applies to a future period(s) and so will be recognized as an outflow of resources (expense) until then. The District has two items that qualify for reporting in this category, related to pensions and other post-employment benefits which are described further in Notes 6 and 7.

In addition to liabilities, the Statement of Net Position, or balance sheet, will sometimes report a separate section for deferred inflows of resources. This separate financial statement element, deferred inflows of resources, represents an acquisition of net position that applies to a future period(s) and so will not be recognized as an inflow of resources (revenue) until that time. The District has two items that qualify for reporting in this category related to pensions and other post-employment benefits as described further in Notes 6 and 7.

**M. Equity Classifications**

Government-Wide Statements

Net position is the excess of all the District's assets and deferred outflows of resources over all of its liabilities and deferred inflows of resources, regardless of fund. Net position is divided into three categories. These categories apply only to net position, which is determined at the government-wide level, and are described below:

- a. Net investment in capital assets - Consists of capital assets including restricted capital assets, net of accumulated depreciation and reduced by the outstanding balances of any bonds, mortgages, notes, or other borrowings that are attributable to the acquisition, constructions, or improvements of those assets.
- b. Restricted net position - Consists of net position with constraints placed on the use either by (1) external groups such as creditors, grantors, contributors, or laws or regulations of other governments; or (2) law through constitutional provisions or enabling legislation.
- c. Unrestricted net position - All other net position that do not meet the definition of "net investment in capital assets," or "restricted."

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)**

Fund Statements

The governmental fund financial statements present fund balances based on classifications that comprise a hierarchy that is based primarily on the extent to which the District is bound to honor constraints on the specific purposes for which amounts in the respective governmental funds can be spent. The classifications used in the governmental fund financial statements are as follows:

- a. Nonspendable - Amounts that cannot be spent because they are either (a) not in spendable form or (b) legally or contractually required to be maintained intact.
- b. Restricted - Amounts that are restricted for specific purposes when constraints placed on the use of resources are either (a) externally imposed by creditors, grantors, contributors, laws, or regulations of other governments; or (b) imposed by law through constitutional provisions or enabling legislation.
- c. Committed - Amounts that can only be used for specific purposes pursuant to constraints imposed by formal action of the government's highest level of decision-making authority.
- d. Assigned - Amounts that are constrained by the government's intent to be used for specific purposes, but are neither restricted or committed.
- e. Unassigned - Amounts representing the residual classification for the general fund.

Further detail about the District's fund balance classification is described in Note 5.

**N. Budgets and Budgetary Accounting**

The Board of Trustees approves a tentative budget no later than June 30 of each year, and adopts a final budget no later than August 30. From the effective date of the budget, the amounts stated therein as proposed expenditures become appropriations. The Board of Trustees may amend the budget by resolution during the fiscal year or make transfers from one object or purpose to another within the same budget unit.

A budget is adopted for the General Fund on a basis which materially conforms to accounting principles generally accepted in the United States of America.

**O. Estimates and Assumptions**

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts on revenues and expenses during the reporting period. Actual results could differ from those estimates.

**P. Future Government Accounting Standards Board Statements**

These statements are not effective until July 1, 2020 or later and may be applicable for the District. However, the District has not determined the effects, if any, on the financial statements.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)**

Government Accounting Standards Board Statement No. 84

In January 2017, GASB issued Statement No. 84, *Fiduciary Activities*. The objective of this Statement is to improve guidance regarding the identification of fiduciary activities for accounting and financial reporting purposes and how those activities should be reported. This Statement establishes criteria for identifying fiduciary activities of all state and local governments. The focus of the criteria generally is on (1) whether a government is controlling the assets of the fiduciary activity and (2) the beneficiaries with whom a fiduciary relationship exists. Application of this statement is effective for the District's fiscal year ending June 30, 2021. The District has not determined what impact, if any, this pronouncement will have on the financial statements.

Government Accounting Standards Board Statement No. 87

In June 2017, GASB issued Statement No. 87, *Leases*. The objective of this statement is to better meet the information needs of financial statement users by improving accounting and financial reporting for leases by governments. This statement requires recognition of certain lease assets and liabilities for leases that previously were classified as operating leases and recognized as inflows of resources or outflows of resources based on the payment provisions of the contract. It establishes a single model for lease accounting based on the foundational principle that leases are financings of the right to use an underlying asset. Under this statement, a lessee is required to recognize a lease liability and an intangible right-to-use lease asset, and a lessor is required to recognize a lease receivable and a deferred inflow of resources, thereby enhancing the relevance and consistency of information about governments' leasing activities. Application of this statement is effective for the District's fiscal year ending June 30, 2022. The District has not determined what impact, if any, this pronouncement will have on the financial statements.

Government Accounting Standards Board Statement No. 89

In June 2018, GASB issued Statement No. 89, *Accounting for Interest Cost Incurred before the End of a Construction Period*. This statement requires interest costs incurred before the end of a construction period to be recorded as an expenditure in the applicable period. As a result, interest cost incurred before the end of a construction period will not be included in the historical cost of a capital asset reported in a business-type activity or enterprise fund. The District has not determined what impact, if any, this pronouncement will have on the financial statements. Application of this statement is effective for the District's fiscal year ending June 30, 2022.

Government Accounting Standards Board Statement No. 90

In August 2018, GASB issued Statement No. 90, *Majority Equity Interests*. The purpose of this statement is to improve the consistency and comparability of reporting a government's majority equity interest in a legally separate organization and to improve the relevance of financial statement information for certain component units. The new standard clarifies the differences between a majority equity interests reported as an investment and majority equity interest reported as a component unit of the governmental entity. The District has not determined what impact, if any, this pronouncement will have on the financial statements. Application of this statement is effective for the District's fiscal year ending June 30, 2021.

Government Accounting Standards Board Statement No. 91

In May 2019, GASB issued Statement No. 91, *Conduit Debt Obligations*. The purpose of this statement is to provide a single method of reporting conduit debt obligations by issuers and eliminate diversity in practice associated with (1) commitments extended by issuers, (2) arrangements associated with conduit debt obligations, and (3) related note disclosures. This statement achieves those objectives by clarifying the existing definition of a conduit debt obligation; establishing that a conduit debt obligation is not a liability of the issuer; establishing standards for accounting and financial reporting of additional commitments and voluntary commitments extended by issuers and arrangements associated with conduit debt obligations; and improving required note disclosures. The District has not determined what impact, if any, this pronouncement will have on the financial statements. Application of this statement is effective for the District's fiscal year ending June 30, 2023.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)**

Government Accounting Standards Board Statement No. 92

In January 2020, GASB issued Statement No. 92, *Omnibus 2020*. The purpose of this statement is to enhance comparability in accounting and financial reporting and to improve the consistency of authoritative literature by addressing practice issues that have been identified during implementation and application of certain GASB Statements. This Statement addresses a variety of topics and includes specific provisions about the following: (1) The effective date of Statement No. 87, Leases, and Implementation Guide No. 2019-3, *Leases*, for interim financial reports, (2) reporting of intra-entity transfers of assets between a primary government employer and a component unit defined benefit pension plan or defined benefit other postemployment benefit (OPEB) plan, (3) the applicability of Statements No. 73, *Accounting and Financial Reporting for Pensions and Related Assets That Are Not within the Scope of GASB Statement 68*, and *Amendments to Certain Provisions of GASB Statements 67 and 68*, as amended, and No. 74, *Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans*, as amended, to reporting assets accumulated for postemployment benefits, (4) the applicability of certain requirements of Statement No. 84, *Fiduciary Activities*, to postemployment benefit arrangement, (5) measurement of liabilities (and assets, if any) related to asset retirement obligations (AROs) in a government acquisition, (6) reporting by public entity risk pools for amounts that are recoverable from reinsurers or excess insurers, and other changes to references and terminology. The District has not determined what impact, if any, this pronouncement will have on the financial statements. Application of this statement is effective for the District's fiscal year ending June 30, 2021.

**NOTE 2: CASH AND INVESTMENTS**

Cash and investments at June 30, 2020 were classified in the accompanying financial statements as follows:

Cash and Investments	\$ 12,337,088
Cash with Fiscal Agent	<u>1,607,140</u>
Total Cash and Investments	\$ <u>13,944,228</u>

Cash and investments at June 30, 2020 consisted of the following:

Pooled Funds:	
Cash in County Treasury	\$ 600,177
LAIF	11,736,311
Cash with Fiscal Agent	1,607,140
Non-Pooled Deposits:	
Cash	<u>600</u>
Total Cash and Investments	\$ <u>13,944,228</u>

Authorized Investments

Investments are selected based on safety, liquidity, and yield. The District's investment policy indicates that the District is authorized to invest in the following: the Yolo County Treasurer Investment Pool, the State Treasurer's Local Agency Investment Fund, member contingency fund deposits with the Vector Control Joint Powers Agency, and prefunding of Other Post Employment Benefits (OPEB) through California Public Employer's Retiree Benefit Trust Program (CERBT).

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 2: CASH AND INVESTMENTS (Continued)**

Interest Rate Risk and Credit Risk

Interest rate risk is the risk that market rate changes that could adversely affect the fair values of an investment. Generally, the longer the maturity of an investment, the greater the sensitivity of its fair value to changes in market interest rates. The District limits its exposure to fair value losses arising from rising interest rate by investing in pools with average maturities of less than one year.

Generally, credit risk is the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. This is measured by the assignment of a rating by a nationally recognized statistical rating organization.

At June 30, 2020, the District had no investments other than their investment in the State and County investment pools. The fair value of the District's investments in these pools is classified as a cash equivalent.

Concentration of Credit Risk

The District's investment policy contains no limitations on the amount that can be invested in any one issuer beyond that stipulated by the California Government Code. At June 30, 2020, the District had no concentration of credit risk.

Custodial Credit Risk

Custodial credit risk for deposits is the risk that, in the event of the failure of a depository financial institution, a government will not be able to recover its deposits or will not be able to recover collateral securities that are in possession on an outside party. The custodial credit risk for investments is the risk that in the event of the failure of the counter-party to a transaction, a government will not be able to recover the value of its investments or collateral securities that are in the possession of another party. The California Government Code and the District's investment policy do not contain legal or policy requirements that would limit the exposure of custodial credit risk for deposits or investments, other than the following provision for deposits: The California Government Code requires that a financial institution secure deposits made by state and local governmental units by pledging securities in an undivided collateral pool held by a depository regulated under state law. The market value of the pledged securities in the collateral pool must equal at least 110% of the total amount deposited by public agencies.

At June 30, 2020, the deposits with financial institutions in excess of the federal depository insurance limits were collateralized as required by law. As of June 30, 2020, the carrying amount of the District's cash in county treasury (including LAIF balances held by the County) totaled \$12,336,488 and the bank balance totaled \$12,732,586. The difference between the carrying amount and the bank total is due to normal deposits in transit and outstanding checks.

Investments in State and County Investment Pool

The District maintains substantially all of its cash in the County of Yolo Treasury and the State of California LAIF. The District is a voluntary participant in the Local Agency Investment Fund (LAIF) that is regulated by the California Government Code under the oversight of the Treasurer of the State of California. In accordance with applicable State laws, the County of Yolo Treasurer may invest in derivative securities with the State of California. However, at June 30, 2020, the County of Yolo Treasurer has represented that the Pooled Investment Fund contained no derivatives or other investments with similar risk profiles. The fair value of the District's investments in these pools are classified as a cash equivalent in the accompanying financial statements. Interest earned is deposited annually to participating funds. Any investment losses are proportionately shared by all funds in the pool.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 3: CAPITAL ASSETS**

The District's capital asset activity during the year was as follows:

	<u>July 1, 2019</u>	<u>Additions</u>	<u>Deletions</u>	<u>June 30, 2020</u>
Work-In process	\$ -	\$ 1,897	\$ -	\$ 1,897
Land, buildings and improvements	1,175,093	-	-	1,175,093
Equipment and vehicles	4,280,678	165,750	(10,000)	4,436,428
Bond road facility	5,061,395	-	-	5,061,395
Woodland facility	<u>708,574</u>	<u>-</u>	<u>-</u>	<u>708,574</u>
Total	11,225,740	167,647	(10,000)	11,383,387
Accumulated depreciation	<u>(6,650,388)</u>	<u>(491,407)</u>	<u>10,000</u>	<u>(7,131,795)</u>
Capital assets, net	\$ <u>4,575,352</u>	\$ <u>(323,760)</u>	\$ <u>-</u>	\$ <u>4,251,592</u>

Depreciation expense totaled \$491,407 for the year ended June 30, 2020.

**NOTE 4: LONG-TERM LIABILITIES**

A summary of long-term liability activity for the year ended June 30, 2020 is as follows:

	<u>Beginning Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending Balance</u>	<u>Due within One Year</u>
Compensated absences	\$ <u>417,766</u>	\$ <u>466,685</u>	\$ <u>(498,398)</u>	\$ <u>386,053</u>	\$ <u>225,636</u>
Total	\$ <u>417,766</u>	\$ <u>466,685</u>	\$ <u>(498,398)</u>	\$ <u>386,053</u>	\$ <u>225,636</u>

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 5: FUND BALANCE**

GASB Statement No. 54, *Fund Balance Reporting and Governmental Fund Type Definitions* provides more clearly defined fund balance categories to make the nature and extent of the constraints placed on a government's fund balances more transparent.

The District's non-spendable fund balance totaled \$720,667 as of June 30, 2020 and consisted of inventory.

The Board of Trustees, as the District's highest level of decision-making authority, may commit fund balance for specific purposes pursuant to constraints imposed by formal action. These committed amounts cannot be used for any other purpose unless the Board of Trustees removes or changes the specified use through the same type of formal action taken to establish the commitment. As of June 30, 2020, the District had a \$2,000,000 commitment for vector & disease response and a \$700,000 commitment for capital outlay.

Assigned fund balances are amounts that are constrained by the District's intent to be used for specific purposes, but are neither restricted or committed. The District has delegated the authority to assign fund balance to the Manager. As of June 30, 2020, the District had an assignment of \$1,607,140 for cash that is held with their fiscal agent.

The accounting policies of the District consider restricted fund balance to have been spent first when an expenditure is incurred for purposes for which both restricted and unrestricted fund balance is available. Similarly, when an expenditure is incurred for purposes for which amounts in any of the unrestricted classifications of fund balance could be used, the District considers committed amounts to be reduced first, followed by assigned amounts, and unassigned amounts.

**NOTE 6: EMPLOYEES RETIREMENT PLAN (DEFINED BENEFIT PENSION PLAN)**

Plan Description

All qualified permanent and probationary employees are eligible to participate in the District's Cost-Sharing Multiple-Employer Defined Benefit Pension Plan (Plan), administered by the California Public Employees' Retirement System (CalPERS). The Plan consists of individual rate plans (benefit tiers) within a safety risk pool (police and fire) and a miscellaneous risk pool (all others). Plan assets may be used to pay benefits for any employer rate plan of the safety and miscellaneous pools. Accordingly, rate plans within the safety and miscellaneous pools are not separate plans under GASB Statement No. 68. Individual employers may sponsor more than one rate plan in the safety or miscellaneous pools. The District sponsors two rate plans (both miscellaneous). Benefit provisions under the Plan are established by State statute and District resolution. CalPERS issues publicly available reports that include a full description of the pension plan regarding benefit provisions, assumptions and membership information that can be found on the CalPERS website.

Benefits Provided

CalPERS provides service retirement and disability benefits, annual cost of living adjustments and death benefits to plan members, who must be public employees and beneficiaries. Benefits are based on years of credited service, equal to one year of full time employment. Members with five years of total service are eligible to retire at age 50 with statutorily reduced benefits.

The District has one local Miscellaneous Retirement Benefit Plan, with two tiers. Tier I benefits for members hired before January 1, 2013 are under the 2.5% at 55 retirement formula, and Tier II benefits for members hired on or after January 1, 2013 are under the 2% at 62 retirement formula.



**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 6: EMPLOYEES RETIREMENT PLAN (DEFINED BENEFIT PENSION PLAN) (Continued)**

Tier I final compensation is calculated using the highest average pay rate and special compensation during any consecutive one-year period. Tier I employee contributions are paid by the employer. This tier and retirement formula is closed to employees hired on or after January 1, 2013 with the exception of employees considered to be Classic Members with a break in CalPERS qualified employment of less than 6 months and who did not receive a refund of their contributions on deposit with the retirement fund. Tier II final compensation is calculated using the highest average pay rate and special compensation during any consecutive three-year period. Tier II employee contributions are paid by the employee.

The rate plan's provisions and benefits in effect at June 30, 2020, are summarized as follows:

	Miscellaneous Plan	
	Hired prior to January 1, 2013	Hired on or after January 1, 2013
Benefit Formula	2.5% @ 55	2% @ 62
Benefit Vesting Schedule	5 years' service	5 years' service
Benefit Payments	Monthly for life	Monthly for life
Retirement age	50-55	52-67
Monthly Benefits, as a % of Eligible Compensation	2.0% to 2.5%	1.0% to 2.5%
Required Employee Contribution Rate	8%	6.75%
Required Employer Contribution Rate*	34.503%	7.642%

\* The employer contribution rate includes the employer's normal cost rate and unfunded accrued liability.

Contributions

Section 20814(c) of the California Public Employees' Retirement Law requires that the employer contribution rates for all public employers be determined on an annual basis by the actuary and shall be effective on the July 1 following notice of a change in the rate. Funding contributions for the Plan are determined annually on an actuarial basis as of June 30 by CalPERS. The actuarially determined rate is the estimated amount necessary to finance the costs of benefits earned by employees during the year, with an additional amount to finance any unfunded accrued liability. The District is required to contribute the difference between the actuarially determined rate and the contribution rate of employees. The District's contributions to the Plan for the year ended June 30, 2020 were \$1,429,083.

Pension Liabilities, Pension Expenses, and Deferred Outflows/Inflows of Resources Related to Pensions

As of June 30, 2020, the District reported a net pension liability of \$10,328,549 for its proportionate share of the net pension liability of the Plan.

The District's net pension liability for the Plan is measured as the proportionate share of the net pension liability. The net pension liability of the Plan is measured as of June 30, 2019, and the total pension liability for the Plan used to calculate the net pension liability was determined by an actuarial valuation as of June 30, 2018 rolled forward to June 30, 2019 using standard update procedures. The District's proportion of the net pension liability was based on a projection of the District's long-term share of contributions to the pension plan relative to the projected contributions of all participating employers, actuarially determined. The District's proportionate share of the net pension liability for the Plan as of June 30, 2017 and 2018 measurement dates was as follows:

Proportion - June 30, 2018	0.13979%
Proportion - June 30, 2019	<u>0.10080%</u>
Change - Increase (Decrease)	<u>(0.03899)%</u>

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 6: EMPLOYEES RETIREMENT PLAN (DEFINED BENEFIT PENSION PLAN) (Continued)**

For the year ended June 30, 2020, the District recognized pension expense of \$2,718,743, which included employer paid member contributions for Tier I. At June 30, 2020, the District reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Pension contributions subsequent to the measurement date	\$ 1,429,083	\$ -
Difference between actual contributions made by employer and the employer's proportionate share of the risk pool's total contribution	2,646,400	186,173
Differences between actual and expected experience	717,361	55,581
Changes in assumptions	492,513	174,593
Adjustment due to differences in proportions	-	2,600,110
Net differences between projected and actual earnings on plan investments	-	180,575
<b>Total</b>	<b>\$ 5,285,357</b>	<b>\$ 3,197,032</b>

\$1,429,083 reported as deferred outflows of resources related to contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the year ended June 30, 2021. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized as pension expense as follows:

Year Ended June 30,	
2021	\$ 610,373
2022	(132,073)
2023	144,454
2024	36,488
<b>Total</b>	<b>\$ 659,242</b>

Actuarial Assumptions

The total pension liabilities in the June 30, 2018 actuarial valuations were determined using the following actuarial assumptions:

	Miscellaneous
Valuation Date	June 30, 2018
Measurement Date	June 30, 2019
Actuarial Cost Method	Entry-Age Normal Cost Method
Actuarial Assumptions:	
Discount Rate	7.15%
Inflation	2.50%
Salary Increases	Varies by Entry Age and Service
Investment Rate of Return	7.15% net of pension plan investment expenses, includes inflation
Mortality (1)	Derived Using CalPERS membership data for all funds
Post Retirement Benefit Increase	Contract COLA up to 2.50% until purchasing power protection allowance floor on purchasing power applies, 2.50% thereafter

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 6: EMPLOYEES RETIREMENT PLAN (DEFINED BENEFIT PENSION PLAN) (Continued)**

(1) The mortality table used was developed based on CalPERS' specific data. The table includes 15 years of mortality improvements using the Society of Actuaries 90 percent scale MP 2016. For more details on this table, please refer to the 2017 experience study report (based on CalPERS demographic data from 1997 to 2015) that can be found on the CalPERS website.

All other actuarial assumptions used in the June 30, 2018 valuation were based on the results of an actuarial experience study for the fiscal years 1997 to 2015, including updates to salary increase, mortality and retirement rates. The Experience Study report can be obtained at CalPERS' website under Forms and Publications.

Discount Rate

The discount rate used to measure the total pension liability was 7.15 percent. The projection of cash flows used to determine the discount rate assumed that contributions from plan members will be made at the current member contribution rates and that contributions from employers will be made at statutorily required rates, actuarially determined. Based on those assumptions, the Plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class.

In determining the long-term expected rate of return, CalPERS took into account both short-term and long-term market return expectations as well as the expected pension fund cash flows. Using historical returns of all of the funds' asset classes, expected compound (geometric) returns were calculated over the short-term (first 10 years) and the long-term (11+ years) using a building-block approach. Using the expected nominal returns for both short-term and long-term, the present value of benefits was calculated for each fund. The expected rate of return was set by calculating the rounded single equivalent expected return that arrived at the same present value of benefits for cash flows as the one calculated using both short-term and long-term returns. The expected rate of return was then set to equal to the single equivalent rate calculated above and adjusted to account for assumed administrative expenses.

The table below reflects long-term expected real rate of return by asset class. The rate of return was calculated using the capital market assumptions applied to determine the discount rate and asset allocation.

<u>Asset Class</u>	<u>Assumed Asset Allocation</u>	<u>Real Return Years 1 - 10(a)</u>	<u>Real Return Years 11+(b)</u>
Global Equity	50.00%	4.80%	5.98%
Fixed Income	28.00%	1.00%	2.62%
Inflation Assets	-%	0.77%	1.81%
Private Equity	8.00%	6.30%	7.23%
Real Assets	13.00%	3.75%	4.93%
Liquidity	1.00%	-%	-0.92%

(a) An expected inflation of 2.00% used for this period.

(b) An expected inflation of 2.92% used for this period.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 6: EMPLOYEES RETIREMENT PLAN (DEFINED BENEFIT PENSION PLAN) (Continued)**

Sensitivity of the Proportionate Share of the Net Pension Liability to Changes in the Discount Rate

The following presents the District's proportionate share of the net pension liability for the Plan, calculated using the discount rate for the Plan, as well as what the District's proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1-percentage point lower or 1-percentage point higher than the current rate:

<u>Net Pension Liability (Asset)</u>	<u>Discount Rate -1%</u> <u>(6.15%)</u>	<u>Current Discount Rate</u> <u>(7.15%)</u>	<u>Discount Rate +1%</u> <u>(8.15%)</u>
Miscellaneous Plan	\$ 17,069,134	\$ 10,328,549	\$ 4,764,672

Pension Plan Fiduciary Net Position

Detailed information about the pension plan's fiduciary net positions is available in the separately issued CalPERS financial reports.

**NOTE 7: OTHER POST EMPLOYMENT BENEFITS (OPEB)**

Description of Plan

The District's defined benefit healthcare plan (the Healthcare Plan) provides health insurance benefits to participants and beneficiaries. The Healthcare Plan is part of the California Employers' Retiree Benefit Trust (CERBT), an agent multiple-employer plan administered by the California Public Employees Retirement System (CalPERS), which acts as a common investment and administrative agent for participating entities within the state of California. Benefit provisions and all other requirements are established by state statute and the District. CalPERS issues a separate comprehensive annual financial report. Copies of CalPERS' annual financial report may be obtained from the CalPERS Executive Office at 400 "P" Street, Sacramento, California 95814.

The District pays the cost of the premium to provide medical coverage under the District's group's medical insurance based on Section 4.12 of the District personnel manual. Substantially, all of the District's employees may become eligible for this benefit given the employee was employed by the District for 20 years or more and retires from the District after the age of 55. The payment of the premium by the District shall continue until the earlier of the retiree's 65th birthday or the retiree's death. After the age of 65, the retiree may continue to receive medical benefits under the District's group medical insurance plan up to death, provided that the retiree timely pays the District for the retiree's share of the monthly premium.

Employees covered

As of the June 30, 2019 actuarial valuation, the following current and former employees were covered by the benefit terms under the plan.

Active employees	68
Inactive employees currently receiving benefits	<u>10</u>
Total	<u><u>78</u></u>

Contributions

The District's policy is to fully fund the actuarially determined contribution. The District makes the contributions on behalf of the participants. For the fiscal year ended June 30, 2020, the District contributed \$124,114.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 7: OTHER POST EMPLOYMENT BENEFITS (OPEB) (Continued)**

Net OPEB Liability

The District's net OPEB liability ("NOL") was measured as of June 30, 2019 and the total OPEB liability used to calculate the net OPEB liability was determined by an actuarial valuation dated June 30, 2019 based on the following actuarial methods and assumptions.

Discount Rate	4.20 %
Inflation	2.50 %
Salary increases per annum	3.00 %
Investment Rate of Return	5.50 %
Healthcare Trend Rate	5.40 %
Mortality rates	
Miscellaneous	Mortality Tables - 2014 CalPERS Active Mortality for Miscellaneous Employees
Mortality improvement	MacLeod Watts Scale 2020 applied generationally from 2015
Pre-Retirement Turnover rates	
Miscellaneous	2017 CalPERS Vested Terminated and Refund Rates for Miscellaneous Employees
Retirement Rates:	
All Participants	Hired before 2013: 2014 CalPERS 2.5%@55 Rates for Miscellaneous Employees Hired on or after 2013: 2014 CalPERS 2.0%@62 Rates for Miscellaneous Employees adjusted to reflect minimum retirement age of 52
Service Requirements	
All participants	Hired after 8/1/06: 100% at 20 Years of Service Hired before 8/1/06: Government Code Section 22893

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
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**NOTE 7: OTHER POST EMPLOYMENT BENEFITS (OPEB) (Continued)**

Changes in Assumptions

For the measurement period ending June 30, 2019, demographics assumed termination, disability and retirement rates were updated from those provided in the CalPERS 1997-2015 experience study reports to the rates in the most recent available experience study (2017) of the CalPERS program. The discount rate decreased from 5.50% to 4.20%. Mortality improvement rates are updated from MacLeod Watts Scale 2017 to MacLeod Watts Scale 2020. The general inflation rate decreased from 2.75% to 2.50% per year. The salary increase rate decreased from 3.25% to 3.0% per year. The medical trend is updated using the Getzen model. Given the repeal of the provision related to the excise tax on high-cost plans from the Afford Care Act in December 2019, any liability related to this tax was excluded.

Discount Rate

The discount rate used to measure the total OPEB liability was 4.20%. The District has been and continues to prefund its OPEB liability, contributing 100% or more of the actuarially determined contributions each year. Trust assets are invested with the California Employers' Retiree Benefit Trust (CERBT). Therefore, the discount rate used is the long-term expected return on trust assets published by CERBT as of the measurement date.

Expected Long-term Return on Trust Assets

The expected long-term rate on trust assets was derived from published information by CalPERS. CalPERS expectations are summarized in the chart below:

CERBT Strategy 3		Years 1-10			Years 11+		
Major Asset Classification	Target Allocation	General Inflation Rate Assumption	1-10 Year Expected Rate of Return*	Compound Return Yrs 1-10	General Inflation Rate Assumption	11+ Year Expected Real Rate of Return*	Compound Return Years 11+
Global Equity	22 %	2.00 %	4.80 %	6.80 %	2.92 %	5.98 %	8.90 %
Fixed Income	49 %	2.00 %	1.10 %	3.10 %	2.92 %	2.62 %	5.54 %
Global Real Estate (REITs)	8 %	2.00 %	3.20 %	5.50 %	2.92 %	5.00 %	7.92 %
Treasury Inflation Protected Securities (TIPS)	16 %	2.00 %	0.25 %	2.25 %	2.92 %	1.46 %	4.38 %
Commodities	5 %	2.00 %	1.50 %	3.50 %	2.92 %	2.87 %	5.79 %
Volatility	7.28 %	weighted		5.00 %	weighted		6.22 %

\* Real rates of return come from a geometric representation of returns that assume a general inflation rate of 2.0%

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 7: OTHER POST EMPLOYMENT BENEFITS (OPEB) (Continued)**

Changes in the Net OPEB liability

To determine the June 30, 2019 (measurement period) net OPEB liability, the actuarial valuation used a roll-forward technique for the total OPEB liability. The fiduciary net position is based on the actual June 30, 2019 fiduciary net position. The following table shows the results of the roll-forward.

	Total OPEB Liability (a)	Plan Fiduciary Net Position (b)	Net OPEB Liability (Asset) (c) = (a) - (b)
Balance at June 30, 2019	\$ 2,902,808	\$ 1,750,835	\$ 1,151,973
Service cost	87,403	-	87,403
Interest in TOL	161,416	-	161,416
Employer contributions	-	110,744	(110,744)
Actual investment income	-	125,897	(125,897)
Differences in actual and expected experience	260,151	-	260,151
Changes of assumptions	365,504	-	365,504
Administrative expense	-	(377)	377
Other trust expenses	-	-	-
Benefit payments	(110,744)	(110,744)	-
Net change	763,730	125,520	638,210
Balance at June 30, 2020	\$ <u>3,666,538</u>	\$ <u>1,876,355</u>	\$ <u>1,790,183</u>

Sensitivity of the Net OPEB Liability to Changes in the Discount Rate

Sensitivity of the Net OPEB Liability of the District if it were calculated using a discount rate that is one percentage-point lower or one percentage-point higher than the current rate, for measurement period ended June 30, 2019:

	1% Decrease 3.20%	Current Discount Rate 4.20%	1% Increase 5.20%
Net OPEB Liability	\$ <u>2,185,822</u>	\$ <u>1,790,183</u>	\$ <u>1,437,863</u>

Sensitivity of the Net OPEB Liability to Changes in the Health Care Cost Trend Rates

The following represents the net OPEB liability of the District if it were calculated using health care cost trend rates that are one percentage-point lower or one percentage-point higher than the current rate, for measurement period ended June 30, 2019:

	1% Decrease 4.40%	Current Healthcare Cost Trend Rate 5.40%	1% Increase 6.40%
Net OPEB Liability	\$ <u>1,360,564</u>	\$ <u>1,790,183</u>	\$ <u>2,300,766</u>

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 7: OTHER POST EMPLOYMENT BENEFITS (OPEB) (Continued)**

Recognition of Deferred Outflows and Deferred Inflows of Resources

Gains and losses related to changes of total OPEB liability and fiduciary net position are recognized in OPEB expense systematically over time. Amounts are first recognized in OPEB expense for the year the gain or loss occurs. The remaining amounts are categorized as deferred outflows and deferred inflows of resources related to OPEB and are to be recognized in future OPEB expense. At June 30, 2020, the District reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Changes of Assumptions	\$ 583,785	\$ -
Differences Between Expected and Actual Experience	238,757	90,090
Net Difference Between Projected and Actual Earnings on Investments	3,408	-
Contributions Made Subsequent to the Measurement Date	<u>124,114</u>	<u>-</u>
Total	<u>\$ 950,064</u>	<u>\$ 90,090</u>

The \$124,114 reported as deferred outflows of resources related to contributions subsequent to the measurement date will be recognized as a reduction of the net OPEB liability during the fiscal year ending June 30, 2021. In addition, future recognition of these deferred resources are as follows.

For the Fiscal Year Ending June 30	Recognized Net Deferred Outflows (Inflows) of Resources
2021	\$ 74,864
2022	74,863
2023	68,452
2024	63,693
2025	69,616
Thereafter	<u>384,372</u>
Total	<u>\$ 735,860</u>

OPEB Expense

For the fiscal year ended June 30, 2020, the District recognized OPEB expense of \$227,774.



**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT**  
**NOTES TO BASIC FINANCIAL STATEMENTS**  
**JUNE 30, 2020**

**NOTE 8: DEFINED CONTRIBUTION PLAN**

Effective January 2017, the District entered into a defined contribution 401(a) Plan with Nationwide Retirement Solutions. All employees are eligible for the Plan however, there are currently no participants in the Plan other than the District's Manager. Participation in this Plan is part of the District's Manager's employment agreement. The District contributes a fixed contribution of \$1,550 per month per participant. Participants are 100% vested in employer contributions (other than matching contributions) upon entering the Plan. For the year ending June 30, 2020, the District contributed \$17,100.

**NOTE 9: SELF INSURANCE PROGRAM**

The Sacramento-Yolo Mosquito and Vector Control District entered into a Joint Powers Agreement with other Vector Control Districts throughout California, to form a self-insurance fund for the purpose of creating an insurance fund for comprehensive general liability and property damage, and to provide worker's compensation benefits for their employees. The pool uses a combination of self-insurance and excess insurances for potential claims.

In addition, the Vector Control Joint Powers Agency (VCJPA) allows member districts to provide funding in excess of their insurance liabilities. These funds are held in trust for its members as a fiduciary fund of the VCJPA. The funds can be withdrawn quarterly, with adequate notice, or can be used to pay insurance premiums. During the year ended June 30, 2020, the District did not withdraw funds to pay for their insurance premiums. Cash in the amount of \$1,607,140 was held with the VCJPA at June 30, 2020.

Audited financial information of the Vector Control Joint Powers Agency can be obtained through the District offices or VCJPA at 1750 Creekside Oaks Drive, Suite 200, Sacramento, California 95833.

**NOTE 10: COMMITMENTS AND CONTINGENCIES**

**A. Contractual Obligations**

A service contract relating to aerial pesticide application services was entered into with Vector Disease Control International, LLC during the year ended June 30, 2014. This contract will be paid in future periods based on the amount of work performed. The contract was amended in January 2017 and extended on January 2020 until December 2020. Under the terms of the contract, monthly payments of \$50,000 will be made in return for aerial spraying not to exceed 1,000,000 acres per year. If this acreage is exceeded, an additional \$.60 per acre will be due. Future minimum payments for the fiscal year ending June 30, 2021 total \$300,000.

Cost sharing agreements relating to the aerial pesticide application services above were entered into as of January 1, 2017 with the San Joaquin Mosquito and Vector Control District, Placer Mosquito and Vector Control District, and the Turlock Mosquito Abatement District. Each cost sharing agreement is valid through December 31, 2020. Under the terms of the agreements, cost-sharing payments will be made monthly to the Sacramento - Yolo Mosquito and Vector Control District in return for a percentage of the aerial spraying described above. The percentages per each agreement are as follows: San Joaquin Mosquito and Vector Control District (19%), Placer Mosquito and Vector Control District (10%), and Turlock Mosquito Abatement District (18%). If this acreage is exceeded, an additional \$.60 per acre will be due. Future minimum receipts for the fiscal year ending June 30, 2021 total \$141,000.

**B. Public Health Emergency**

The World Health Organization declared the worldwide coronavirus (COVID-19) outbreak a public health emergency on January 30, 2020 and officially declared it as a pandemic as of March 11, 2020. Management has performed an evaluation of certain financial statement line items such as investments, accounts receivable, accounts payable, and accrued expenses to determine whether valuation or impairment adjustments should be made. Management has determined that the amounts reported on the financial statements are properly valued as of June 30, 2020. However, since the duration and full effects of the COVID-19 outbreak are yet unknown there could be future negative impacts to the financial condition of the District.

## **Required Supplementary Information**

**SACRAMENTO-YOLO MOSQUITO & VECTOR CONTROL DISTRICT  
REQUIRED SUPPLEMENTARY INFORMATION**

**SCHEDULE OF THE DISTRICT'S PROPORTIONATE SHARE OF THE NET PENSION LIABILITY  
AS OF JUNE 30, 2020  
LAST 10 YEARS\***

	Measurement Period					
	2019	2018	2017	2016	2015	2014
Proportion of the net pension liability	0.10080 %	0.13979 %	0.13747 %	0.13729 %	0.13730 %	0.11274 %
Proportionate share of the net pension liability	\$ 10,328,549	\$ 13,470,191	\$ 13,633,290	\$ 11,879,946	\$ 9,423,831	\$ 7,059,972
Covered payroll	\$ 4,851,189	\$ 4,635,066	\$ 4,457,590	\$ 4,254,251	\$ 4,326,094	\$ 4,305,687
Proportionate share of the net pension liability as a percentage of covered payroll	212.91 %	290.61 %	305.84 %	279.25 %	217.84 %	163.97 %
Plan fiduciary net position as a percentage of the total pension liability	75.30 %	75.30 %	73.31 %	74.06 %	78.40 %	79.82 %

\* Fiscal year 2015 was the 1st year of implementation, therefore only six years are shown.

**SACRAMENTO-YOLO MOSQUITO & VECTOR CONTROL DISTRICT  
REQUIRED SUPPLEMENTARY INFORMATION**

**SCHEDULE OF CONTRIBUTIONS TO THE COST SHARING DEFINED BENEFIT PENSION PLAN  
AS OF JUNE 30, 2020  
LAST 10 YEARS\***

	Fiscal Year-End					
	2020	2019	2018	2017	2016	2015
Contractually required contribution (actuarially determined)	\$ 1,429,083	\$ 1,240,124	\$ 1,063,754	\$ 952,340	\$ 861,986	\$ 669,180
Contributions in relation to the actuarially determined contributions	<u>1,429,083</u>	<u>5,240,124</u>	<u>1,063,754</u>	<u>952,340</u>	<u>861,986</u>	<u>669,180</u>
Contribution deficiency (excess)	<u>\$ -</u>	<u>\$ (4,000,000)</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Covered payroll	\$ 5,021,623	\$ 4,851,189	\$ 4,635,066	\$ 4,457,590	\$ 4,254,251	\$ 4,326,094
Contributions as a percentage of covered payroll	28.46 %	108.02 %	22.95 %	21.36 %	20.26 %	15.47 %

\* Fiscal year 2015 was the 1st year of implementation, therefore only six years are shown.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT  
REQUIRED SUPPLEMENTARY INFORMATION**

**SCHEDULE OF CHANGES IN THE DISTRICT'S NET OPEB LIABILITY AND RELATED RATIOS  
For the Measurement Periods Ended June 30**

**Last 10 Years\***

	2019	2018	2017
<b>Total OPEB liability</b>			
Service cost	\$ 87,403	\$ 74,193	\$ 81,329
Interest	161,416	161,764	156,931
Difference between expected and actual experience	260,151	-	(124,875)
Changes in assumptions	365,504	184,289	136,216
Benefit payments	<u>(110,744)</u>	<u>(172,880)</u>	<u>(154,115)</u>
Net change in total OPEB liability	763,730	247,366	95,486
Total OPEB liability, beginning	<u>2,902,808</u>	<u>2,655,442</u>	<u>2,559,956</u>
Total OPEB liability, ending (a)	<u><u>\$ 3,666,538</u></u>	<u><u>\$ 2,902,808</u></u>	<u><u>\$ 2,655,442</u></u>
<b>Plan fiduciary net position</b>			
Contributions - employer	\$ 110,744	\$ 172,880	\$ 154,115
Net investment income	125,897	78,639	66,433
Benefit payments	(110,744)	(172,880)	(154,115)
Administrative expenses	(377)	(869)	(835)
Other trust expenses	<u>-</u>	<u>(2,215)</u>	<u>-</u>
Net change in plan fiduciary net position	125,520	75,555	65,598
Plan fiduciary net position, beginning	<u>1,750,835</u>	<u>1,675,280</u>	<u>1,609,682</u>
Plan fiduciary net position, ending (b)	<u><u>\$ 1,876,355</u></u>	<u><u>\$ 1,750,835</u></u>	<u><u>\$ 1,675,280</u></u>
District's net OPEB liability, ending (a) - (b)	<u><u>\$ 1,790,183</u></u>	<u><u>\$ 1,151,973</u></u>	<u><u>\$ 980,162</u></u>
Plan fiduciary net position as a percentage of the total OPEB liability	51.18 %	60.32 %	63.09 %
Covered-employee payroll	\$ 4,851,189	\$ 5,067,381	\$ 4,872,530
District's net OPEB liability as a percentage of covered-employee payroll	36.90 %	22.73 %	20.12 %

**Notes to Schedule:**

**Changes in assumptions -**

For the measurement period ending June 30, 2019, demographics assumed termination, disability and retirement rates were updated from those provided in the CalPERS 1997-2015 experience study reports to the rates in the most recent available experience study (2017) of the CalPERS program. The discount rate decreased from 5.50% to 4.20%. Mortality improvement rates are updated from MacLeod Watts Scale 2017 to MacLeod Watts Scale 2020. The general inflation rate decreased from 2.75% to 2.50% per year. The salary increase rate decreased from 3.25% to 3.0% per year. The medical trend is updated using the Getzen model. Given the repeal of the provision related to the excise tax on high-cost plans from the Afford Care Act in December 2019, any liability related to this tax was excluded.

\* Schedule is intended to show information for ten years. Fiscal year 2018 was the first year of implementation, therefore only three years are shown. Additional years' information will be displayed as it becomes available.

**SACRAMENTO - YOLO MOSQUITO AND VECTOR CONTROL DISTRICT  
REQUIRED SUPPLEMENTARY INFORMATION**

**SCHEDULE OF CONTRIBUTIONS TO THE OPEB PLAN  
For the Fiscal Year Ended June 30**

**Last 10 Years\***

	<u>2019</u>	<u>2019</u>	<u>2018</u>
Actuarially Determined Contribution (ADC)	\$ 153,992	\$ 149,631	\$ 152,515
Contributions in relation to the ADC	<u>124,114</u>	<u>110,744</u>	<u>172,880</u>
Contribution deficiency (excess)	<u>\$ 29,878</u>	<u>\$ 38,887</u>	<u>\$ (20,365)</u>
Covered-employee payroll	<u>\$ 5,021,623</u>	<u>\$ 4,851,189</u>	<u>\$ 5,067,381</u>
Contributions as a percentage of covered-employee payroll	2.47 %	2.28 %	3.41 %

\* Schedule is intended to show information for ten years. Fiscal year 2018 was the first year of implementation, therefore only three years are shown. Additional years' information will be displayed as it becomes available.



**INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS**

The Board of Trustees  
Sacramento - Yolo Mosquito and Vector Control District  
Elk Grove, California

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the governmental activities and major fund, of the Sacramento - Yolo Mosquito and Vector Control District (the District), as of and for the year ended June 30, 2020, and the related notes to the financial statements, which collectively comprise the District's basic financial statements, and have issued our report thereon dated November 06, 2020.

**Internal Control over Financial Reporting**

In planning and performing our audit of the financial statements, we considered the District's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control. Accordingly, we do not express an opinion on the effectiveness of the District's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or, significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

**Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the District's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

**Purpose of this Report**

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

*Mann, Urrutia, Nelson CPAs*

Sacramento, California  
November 6, 2020

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

## **November 17, 2020 Board Meeting**

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

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

#### **b. Reports from District Departments**

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

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

The District's West Nile testing season is complete. We will begin testing again in late spring. We are continuing to monitor the invasive mosquito issue in Winters, Arden-Arcade, and the other new detection areas found in 2020. The colder weather should make surveillance efforts more difficult in finding these mosquitoes.

Staff will be working on winter projects including maintenance of equipment, the facility, and completing our annual training.

The MVCAC Quarterly Meeting was held online with the committee meetings held in October and the Board meeting on November 4th. We have included a brief summary of the discussion points from each committee.

The MVCAC Planning Session will be held online during the first week of December.

#### **b. Reports from District Departments**

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

## Regulatory Affairs Committee

The committee meeting was held via Zoom on Friday the 30th of October. The committee started the meeting by reviewing the 2020 charges. The committee first discussed the continued efforts of reviewing existing and proposed trash capture devices in stormwater structures. The trash capture working group produced a video and 1 page brochure that has been shared with manufacturers as well as the State Water Resources Control Board on mosquito control activities surrounding these devices. An update was given on the registration status of the sterile insect releases for the control of *Aedes aegypti* which is moving forward at both the state and federal levels. A recent charge added to the committee has been ensuring access to utility vaults. These have proven to be both an abundant and productive breeding source for *Aedes aegypti* and the committee is in the process of collecting data from Districts statewide in order to devise a strategy on how to approach this topic. The NPDES permit expires in June of 2021 and member agencies are looking at the potential addition of active ingredients. Outside of the standing charges, the committee drafted a letter to the EPA outlining concerns that the association has around proposed language changes to Naled, an important adulticide tool used by many programs nationwide. Lastly, Jennifer Henke announced that she would be stepping down as chair of the committee and that Samer Elkashef will be moving into that role.

## Vector and Vector Borne Disease Committee

The committee went over the past seasons mosquito pool testing done at DART. The sentinel chicken and dead bird data was also presented. In addition, CDPH staff went over other vector borne disease issues such as plague, hantavirus, lyme disease, anaplasmosis and tick borne relapsing fever. The committee discussed the work that has been done on an Invasive *Aedes* document. It was decided to have two documents, one titled an Operation Guidelines document with recommended surveillance and control measures and the other would be a very detailed description of what Districts or Agencies are doing currently in dealing with invasive container inhabiting *Aedes*. This detailed document would be updated annually to reflect current procedures. The purpose of the detailed document is to assist Districts in learning from what other agencies are doing. Mir Bear-Johnson is taking over as committee chair for next year. The committee members for next year have been designated and the committee has representation from all the regions of the MVCAC.

## Public Relations Committee

The committee had an extensive discussion on developing an invasive *Aedes* education and outreach toolkit that includes videos, fact sheets, brochures, social media posts and media graphics. Some of the elements of the toolkit will be translated into Spanish. Toolkit components are in progress and will be finalized and shared with the association in the near future. Other topics discussed during the meeting included: ongoing communication and outreach to the California Association of Nurseries to increase awareness of invasive mosquito issues, discussion of the MVCAC conference strategies moving forward, outreach to municipal planners

and an update on CalSurv materials. Some of the new 2021 charges for the PR committee that were also discussed including: implementing third party outreach to the housing related industry to educate them about building homes near mosquito breeding sources, outreach to engage environmental related stakeholders, engagement of municipal and infrastructure industry providers and ongoing support and outreach to secure state and federal funding for mosquito control issues.

#### Integrated Vector Management Committee

The IVM Committee met on Friday October 30th. The meeting was short with only two topics discussed. The main topic that had the most discussion was regarding the status and review of the new resistance bottle assay manual that the IVM Committee has been working on. Some ideas that came up to help member agencies with this assay were to provide training videos in lieu of live workshops and to generate a list of species of mosquitoes that member agencies keep in their colony. Debbie Dritz will be providing a draft of the manual for review. Committee Chair, Dr. Scott, mentioned that the California Department of Fish and Wildlife lost a significant amount of trout to disease this year which highlighted the need to review biosecurity for member agencies that culture fish. The new MVCAC Committee guidelines and requirements were discussed and Jake Hartle, Operations Manager for Placer Mosquito and Vector Control District was welcomed as the new Committee Chair.

#### Research Committee

The research committee met on October 27th to discuss the ongoing projects of the committee as well as future directions. With more Districts utilizing truck mounted WALs, one idea that emerged from the meeting was to put together a white paper summarizing the equipment each agency used, what mosquito species they were targeting and how they were assessing efficacy of the applications. The committee will reach out to both the IVM committee and industry partners to assist in vetting out what needs to be done as well as to get a comprehensive list of WALs users in both California and nation-wide. Dr. Barker from UC Davis brought up that a private alumni donor was looking to fund two intern positions in the summer to do vector control research and was looking at the committee as an avenue to screen candidates for selection. Finally, it was announced that Dr. Wekesa would be stepping down as committee chair and that Dr. Wheeler would be taking on the role.

#### Legislative Committee

The MVCAC Legislative Committee met on October 29th to discuss the status and direction of various legislative efforts. While the legislature's attention has been focused mainly on COVID-19 efforts and the vast majority of non COVID bills are being put on hold, the committee reaffirmed the need to keep in contact with our state legislators even though in person meetings are non existent in the current climate. The committee will continue its efforts to secure state funding through the legislature for CalSurv to help enhance the program and its capabilities for the future. The AMCA is working on similar funding on the federal level through appropriations

via the TICK Act or SMASH Act. Assembly Bill 1788 would put a ban on the use of certain anticoagulants to control rodents, however vector control Districts would be exempt from the legislative changes. A piece of federal legislation was introduced in August Senate Bill 4406 and House Bill 7940 that would make changes to the Federal Insecticide, Fungicide, Insecticide, Rodenticide Act (FIFRA) that could put a ban on organophosphate pesticides, limit the emergency use of new pesticides, and have the potential to allow for "political subdivisions" to regulate pesticides. The MVCAC and AMCA are both strongly opposed to this legislation, however it is due to expire at the end of 2020 and would need to be introduced under a new congressional session to move forward. Right now, it is something for us to keep an eye on.

#### Laboratory Technologies Committee

The virtual workshop for the 2021 Annual Conference was discussed and the committee selected "Geospatial Data/Technology" as the topic to be covered. Due to the additional challenges of preparing for the 2021 MVCAC virtual conference, it was decided by the committee to schedule the virtual workshop separately from the conference. Once the workshop details have been worked out, the information will be distributed to the Districts and through the MVCAC website. The topic of tick testing and reporting was discussed. Currently, the CDC is exploring different strategies to validate the current tick testing results that are being reported into CalSurv/Gateway. The concern is different testing protocols are being used throughout California which can create difficulties when trying to compare results across regions. In response to this, a tick testing survey will be created and distributed through the MVCAC to gather detailed information on the different testing protocols being utilized at the Districts. In addition, there was discussion on creating a proficiency panel for the tick testing, but further dialogue on this topic will be needed once the survey results are reviewed and evaluated.

#### IT Committee

The meeting opened with a discussion CyberSecurity Awareness month and what committee members can do to help educate the staff at their agencies about current information security best practices. The Committee will continue to recommend membership in MISAC and new free resources from MS-ISAC to protect internet connections. A discussion about Calsurv Gateway issues covered concerns about notifications of changes to web services that affected vendor access, and future plans to notify users of downtime given how central the Gateway is to many agencies daily operations. The Visual Gateway project has renewed interest and an email list and training schedule is being created. Several training meetings held over the past year about Calsurv Gateway and Visual Gateway have been published to the Calsurv Youtube channel for viewing. An update was given on the planning for the upcoming MVCAC Annual Virtual conference, for which the IT Committee may be asked to help devise solutions for agencies with slow internet connections, and to help train speakers if needed to record voice-over video presentations for use by the Annual conference website.

## Calsurv Steering Committee

The meeting covered several updates to the software, interface, and overall status of the Gateway project. The Risk Assessment, abundance, West Nile virus and invasive detection maps have been updated with many new features. A discussion was held about ways that individual agencies could host those maps on their own websites, or if a public map could be created with less detail. The development of the application programming interface (API) has been progressing with a new Tick module having been developed with the new API, including a new front end web interface that is available for review by users. The plan is to continue new development in parallel with the existing website and web services to not interrupt current connections with vendor access. A funding update made clear that not much has progressed due to Covid response taking priority, but the CDC has approved the Gateway as eligible for funding for the next two years, if funding becomes available. A short discussion at the end of the meeting covered concerns about email notification to users for planned changes, maintenance or unexpected downtime.

## LABORATORY

### Monthly Report for November 2020 Board Meeting

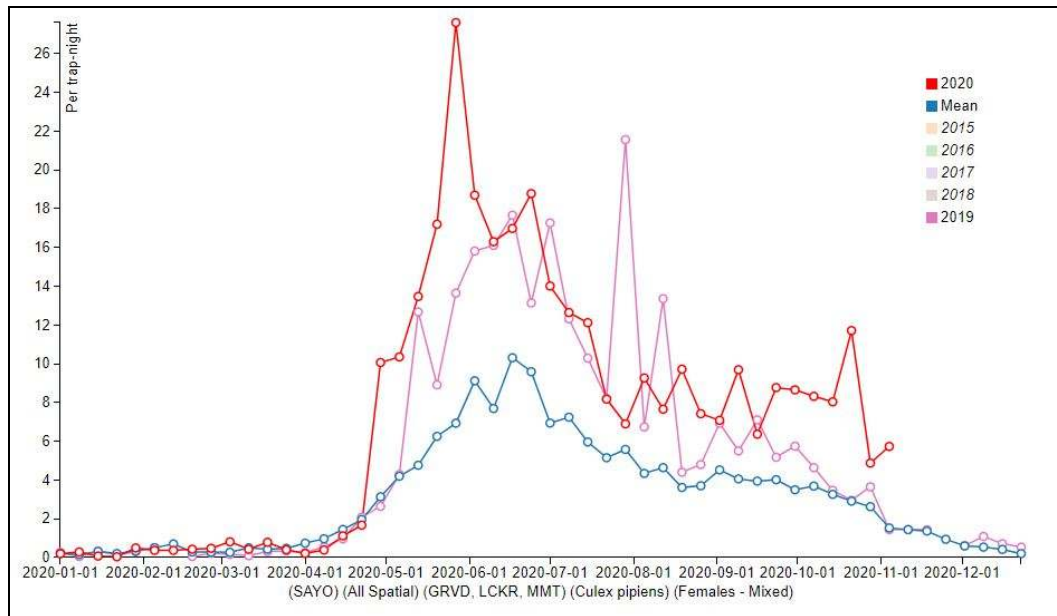
#### Insectary:

Colonies maintained: *Culex tarsalis* Kern National Wildlife (susceptible)  
*Culex quinquefasciatus* Cq1 (susceptible)  
*Culex pipiens* Woodland (resistant)  
*Culex tarsalis* Vic Fazio (resistant)  
*Aedes sierrensis* wild - Marin - Sonoma County (in egg form)

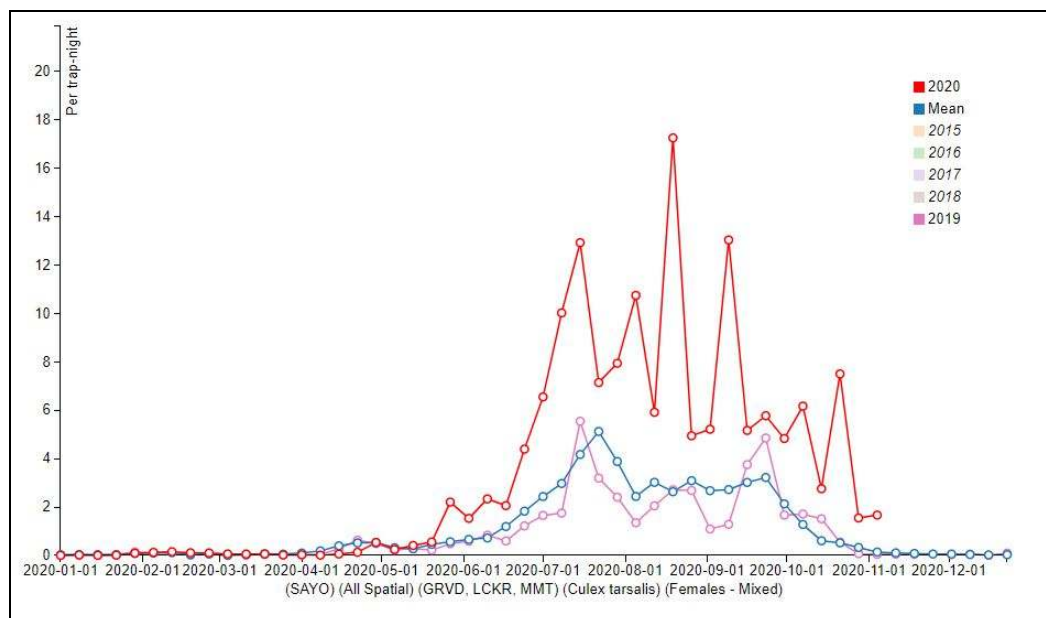
#### Surveillance:

**Weekly collections** –We are seeing the usual decline in abundance of both our *Culex pipiens* and *Culex tarsalis* populations. The *Cx. tarsalis* abundance for this year appears high due to the issue we have mentioned in previous updates regarding the switch from Mosquito Magnet traps to our District locker traps.

*Culex pipiens* in weekly abundance traps (LCKR, GT):

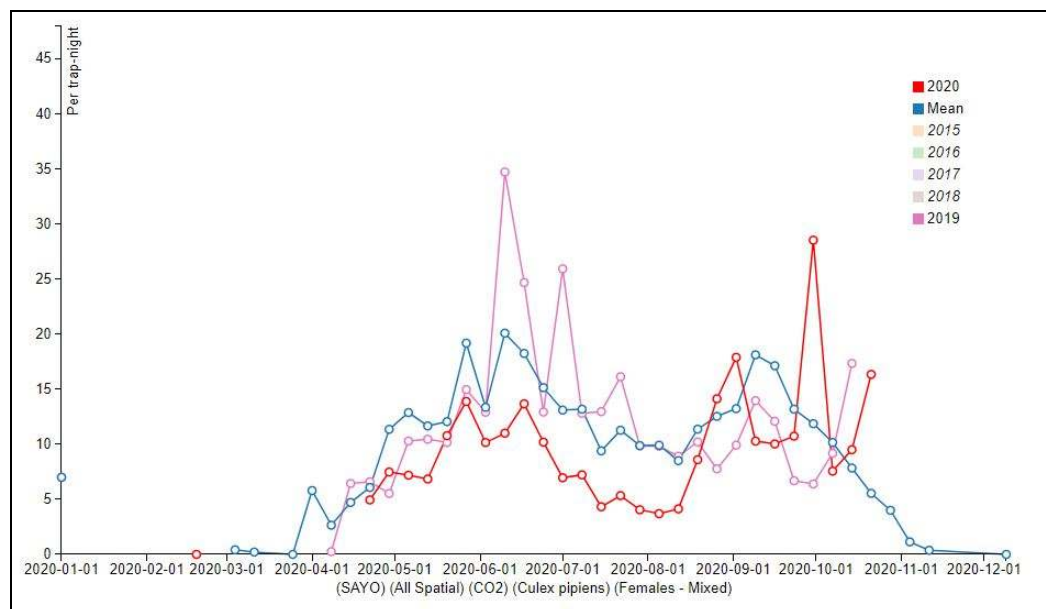


## *Culex tarsalis* in weekly abundance traps (LCKR, GT)

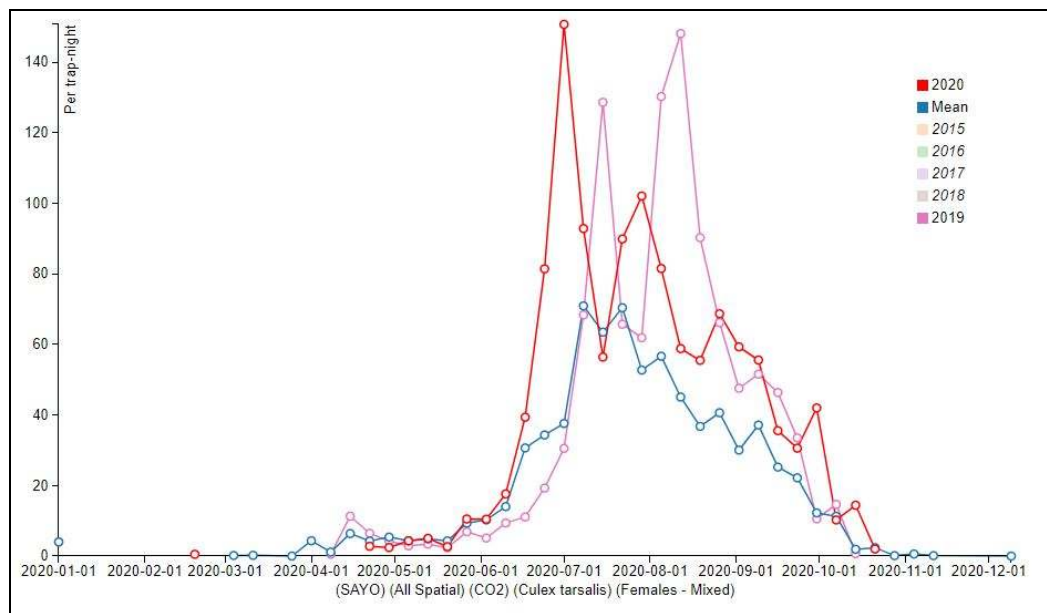


**Encephalitis virus surveillance (EVS) – Mosquitoes** – We have tested 6,967 mosquito pools (samples) this season. Of these, 192 have been positive for West Nile Virus. 77 of these positive pools are from Yolo County and the remaining 115 positive pools are from Sacramento County. The last positive pools were from the October 6<sup>th</sup> testing. We conclude trapping and testing once we have gone two trapping events for an area with no positive pools. In addition, once the weather changes, control measures are limited.

*Culex pipiens* in CO<sub>2</sub> EVS traps:

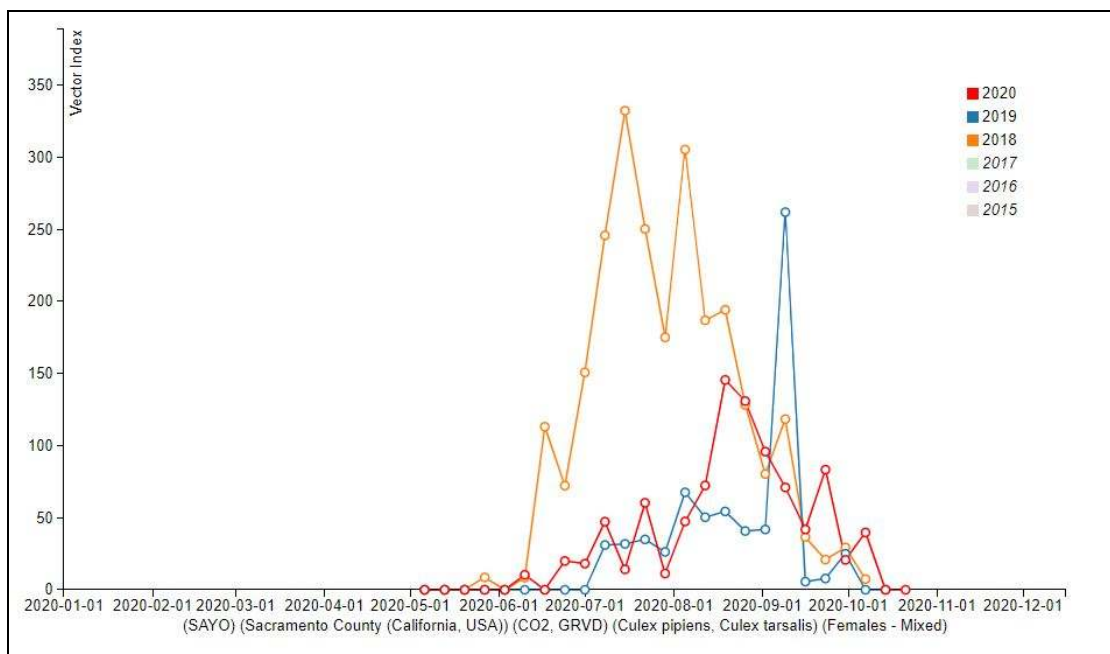


*Culex tarsalis* in CO<sub>2</sub> EVS traps:



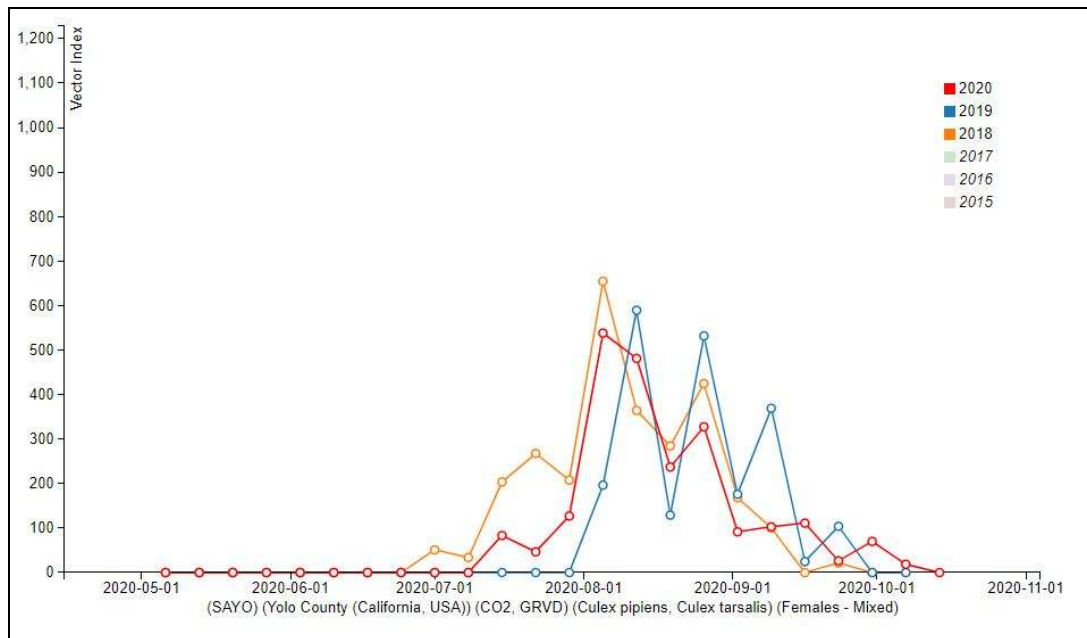
**Vector Index graphs for the District** – As can be seen in the graphs below, the vector index has varied from year to year for the District. These graphs show the index at a county level. Usually for purposes of delineating treatment blocks we do vector index calculations on smaller areas than county-wide.

Sacramento County for the years 2018, 2019 and 2020:





Yolo County for the years 2018, 2019 and 2020:



**Encephalitis virus surveillance (EVS) – Sentinel Chickens** – We have had two flock sites where we have detected positive chickens. One chicken at the Knights Landing flock and all five chickens at the Gibson Ranch flock tested positive for West Nile Virus. The chickens at the Dunnigan, Isleton and Rancho Murieta flocks remained negative throughout the season. The chickens have all been rehomed.

**Encephalitis virus surveillance (EVS) – Dead Birds** – We have picked up and tested 402 dead birds of which 120 have tested positive for West Nile Virus. 91 of the dead birds were from Sacramento County and 29 were from Yolo County. The dead bird hotline has closed for the winter, it will resume in the spring.

**Tick and Lyme disease surveillance** – We will be resuming our tick flagging and testing as soon as humidity levels rise to the levels needed for the tick questing behavior to occur. We hope to be able to do some collections in November.

**BG Counter Traps** – The majority of the BG Counter traps have been removed from the field. We will be utilizing a few of them in our overwintering monitoring of the *Aedes aegypti* populations in the Winters and Arden areas.

**Mosquito Resistance Testing** – We have completed two adult bottle bioassays with two *Cx. tarsalis* populations.

**Disease Response Surveillance** – In the month of October, we were not notified of any imported mosquito-borne disease cases.

## District Studies –

**LVL (Low Volume Larvicide) studies** – We conducted evaluations of this application method utilizing both Vectobac WDG and Altosid Liquid Larvicide this year. This application method will be utilized next year.

**Adulticide Product Trials** – We completed several trials this season; two aerial Merus 3.0, one aerial Dibrom and one ground truck Deltagard evaluation.

**Sugar Bait Project** – We have concluded the sugar bait program for the year. We found positive detections in 32 sugar bait samples. There were 1355 sugar bait samples tested in total. We will be presenting the results of this new surveillance tool at the 2021 annual AMCA meeting.

**Sumilarv Evaluation** – We assisted control operations in the evaluation of this product in swimming pools, both above ground and in ground.

***Aedes aegypti* traps** – We have continued to primarily utilize the BG sentinel traps for *Aedes aegypti* surveillance. We plan on evaluating other trap types next season in the Winters area once we see activity

## Collaborations –

**Catch Basin Residue and Resistance study** – We have completed the sampling for this season. Three sets of catch basins samples were sent to Dr. Jay Gan's lab at UC Riverside for pesticide residue testing. The areas sampled were Davis, Citrus Heights, the Pocket and downtown Sacramento. There will be a presentation at the MVCAC annual meeting with results from this study.

**Natular (spinosed) applied via LVL** – Under an experimental use permit we conducted a trial with Clarke Mosquito Control utilizing the LVL application method to apply a spinosed larvicide product. The study results are being summarized by Clarke scientists.

**Additional Projects** – We are working with two recipients of Pac-Vec Center of Excellence training grants. The first is Dr. Tara Thiemann from UOP (the University of the Pacific in Stockton). Mosquitoes from our two bottle bioassays will be sent to Dr. Thiemann to study *Culex tarsalis* resistance. The second is Dr. Monika Guila-Nuss from UNR (the University of Nevada at Reno). This collaboration is regarding *Ixodes pacificus* ticks and will begin when our tick surveillance program resumes.

## Invasive *Aedes spp.* Surveillance –

Updating the *Aedes aegypti* situation since last Board meeting, we have found a continuing presence of larvae and adults in the Winters and Arden Arcade areas. Trapping around the southern Citrus Heights and Davis locations where single *Ae. aegypti* female mosquitoes were found in traps did not reveal any further activity. We have just identified, yet another single female *Ae. aegypti* in a trap in the south Sacramento area, near Franklin Blvd and Fruitridge Blvd. We are setting additional traps in this area.

**California Arbovirus Surveillance Bulletin #29** Week 44: Friday, October 30, 2020

2019 & 2020 YTD West Nile Virus Comparisons		
	2019	2020
Total # Dead Bird Reports	5,200	5,343
# Positive Counties	33	39
# Human Cases	178	155
# Positive Dead Birds / # Tested	210 / 1,693	336 / 1,499
# Positive Mosquito Pools / # Tested	3,269 / 41,991	2,617 / 39,287
# Seroconversions / # Tested	135 / 8,642	138 / 6,101

YTD WNV Activity by Element and County, 2020					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			6		
Alpine			1		
Amador		1			
Butte	4	1	4	28	23
Calaveras					2
Contra Costa	3		22	13	7
El Dorado	1				
Fresno	6		5	322	
Glenn	1	1		3	2
Imperial				3	
Kern	3			83	
Kings	1	1		87	
Lake				12	2
Los Angeles	50		100	426	34
Madera	6			77	
Marin			1		
Merced	12	1	2	42	14
Modoc		1			
Napa			1	2	
Nevada		1			
Orange	14		46	326	
Placer	1		2	58	
Riverside	5	2	2	64	
Sacramento	1		91	115	4
San Benito					1
San Bernardino	2	1		13	
San Diego	1			2	
San Joaquin		4	4	260	
San Mateo			1		
Santa Barbara				1	
Santa Clara			7	8	
Shasta				25	3
Solano			3	8	4
Stanislaus	35	3	4	351	
Sutter	1			20	26
Tehama	1				5
Tulare	5		5	189	9
Yolo	2		29	77	1
Yuba				2	1
<b>Totals</b>	<b>155</b>	<b>17</b>	<b>336</b>	<b>2,617</b>	<b>138</b>

## **BIOLOGICAL CONTROL**

### **Monthly Report for the November 2020 Board Meeting**

In the month of October the Fisheries department continued to stock wetlands with mosquitofish with a potential end date in mid-November. To date fisheries has stocked over 500 pounds in 56 different seasonal wetlands, ponds and duck clubs. As the end of our main mosquito season ends priorities will shift to maintenance. All nets will be gone through and repaired if needed as well as all other necessary equipment. In addition to maintenance and repairs fisheries personnel have rotated in to help other crews with aedes surveillance, additional zone site inspections and ULV and WALS treatment plans. Daily activities such as tank cleaning, water quality monitoring, setting out aerators and pumps were also performed to maintain the high quality of our fish population. The Fisheries department continues with many projects including monitoring dissolved oxygen levels, crayfish trapping and trying to determine ideal stocking rates in rice fields and wetlands.

#### Log of Treatment Applied for October

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Rate</u>	<u>Treatments</u>
Mosquitofish	496.755 lbs.	3,271.37 Acres	.15 lbs./ac	142

#### Log of Treatment Applied for the year 2020

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Rate</u>	<u>Treatments</u>
Mosquitofish	3,424.50 lbs.	18,258.60 Acres	.18lbs./ac	4,087

#### Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
27,000.00	8,813.58	21,486.42	20%



Picture above is a solar pond aerator and in the background a netted pond. Currently we have 10 netted ponds and 3 aerators onsite.



**ECOLOGICAL MANAGEMENT DEPARTMENT**  
**Monthly Report for the November 2020 Board Meeting**

**Storm Water / Drainages Program**

Deadman's Gulch, Herald, CA: A series of service requests in the area brought this site to the zone Technician's attention. Staff has since been working to gain access along one side of a small portion of Deadman's Gulch where water sits in a dug out low area. Prior to the brush removal, the low areas within the ditch were not known or accessible.



Before

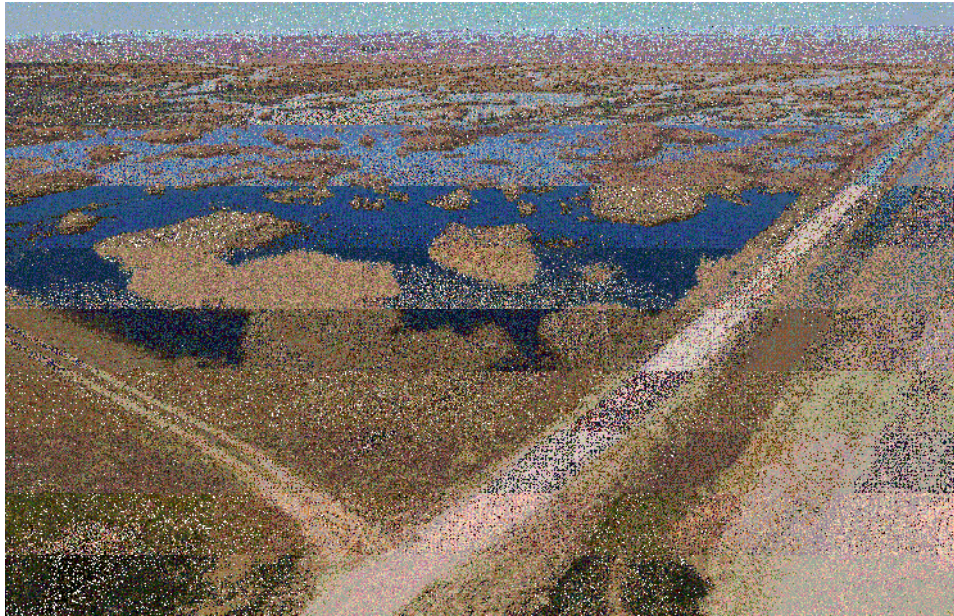


After



## **Wetland Program**

Fall Flooding: October was a very busy month for the program as all remaining properties that didn't participate in the early flooding began flooding on October 1<sup>st</sup>. Billing for each early flooded and treated property will be completed and sent soon. Staff worked with Control Operations Supervisors to help balance inventory with product rotations for pesticide resistance management to be used by both aerial contractors.



California Department of Water Resources (DWR): The District responded to a series of service requests in and around Sherman Island. The Requests were due to an uncommunicated maintenance event at the “permanent” wetlands located within the “Whales Mouth” portion of lower Sherman Island. This area was allowed to dry out almost completely, before being re-flooded in mid-October causing uncharacteristic breeding for this time of year. The District responded to the adult and larval mosquito populations with a series of ULV and aerial larvicide applications as well as meeting onsite with the DWR Wetland Manager. Long term future management and Mosquito Reducing Best Management Practices (BMPs) implementation was discussed along with financial commitments from DWR.



### **Agriculture Program**

With the conclusion of seasonal irrigations, staff has started working on drainage ditch projects that are not accessible by equipment during the growing season. As the mosquito season winds down, zone Technicians will be able to help with these various projects by providing additional hand tool support.



### **UAS Program**

Staff has been working with the FAA to renew our Public Certificate of Authorization. Additional survey equipment has been purchased to augment the accuracy of the Districts UAS units as they are used for surveying of BMP projects.

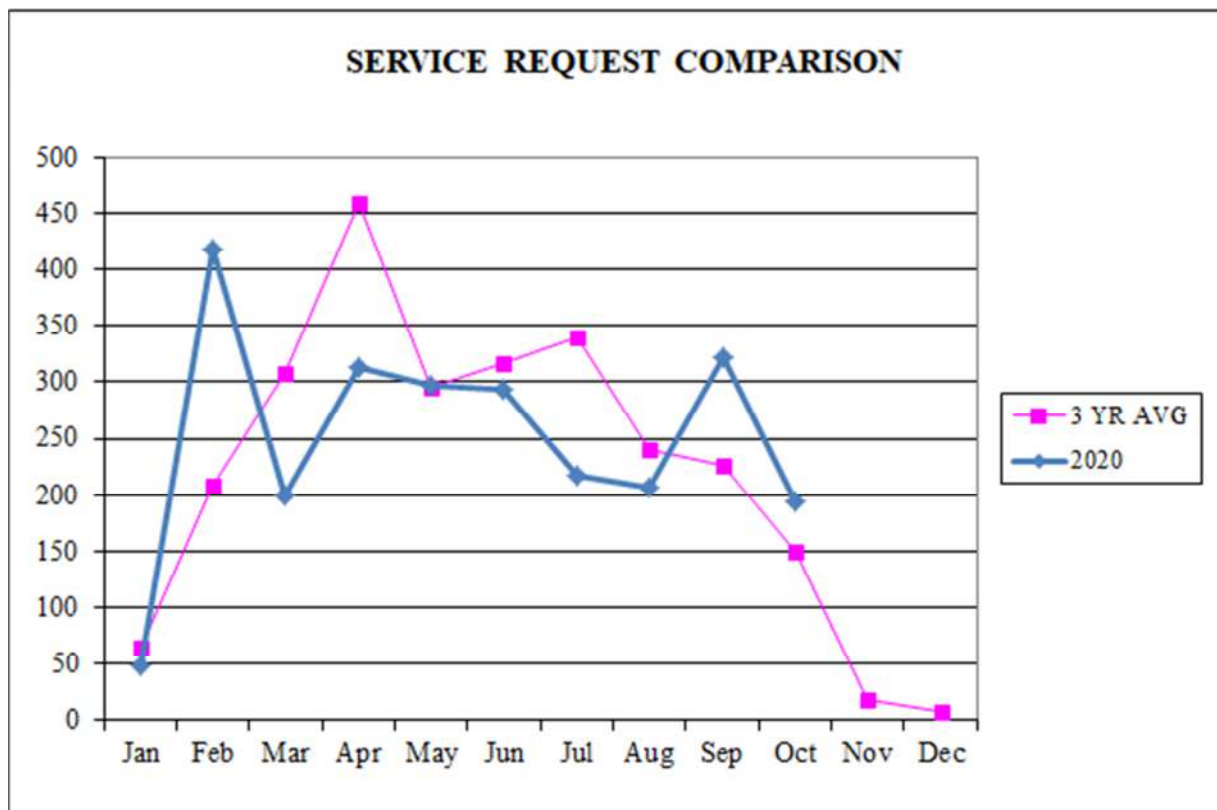
With the sad news of the passing of Dr. Bill Walton, his current research papers and publications are being furthered by various collaborators. Earlier in the year Dr. Walton had started a publication submission to Wetlands Ecology and Management with the topic "Mosquito Control and Wetland Management." Dr. Walton had requested staff to help collaborate with other MVCAC and AMCA members on the use and future role of UAS technologies in controlling mosquitoes over wetlands as a section of this publication. Staff will continue to work to finish this publication this year on his behalf.



## CONTROL OPERATIONS

### Monthly Report for the November 2020 Board Meeting

Field crews have been responding to areas with positive trap results for *Aedes aegypti* centered in the city of Winters in Yolo County and in the Arden Arcade area of Sacramento County. The District also responded in both these areas with truck mounted ULV adulticide and WALS applications. October saw the bulk of the fall flooding season with the majority of flooded acres being treated by Farm Air Flying Services. As the temperatures begin to drop, trapping and response will continue in invasive detection areas while crews will also start on planned winter projects both on and off District property. All trials except the Sumilarv above ground pool trial have been concluded for the 2020 season at this time.





<b>Larvicide Applications thru October 31<sup>st</sup></b>				
	<u>2020</u>		<u>2019</u>	
<u>Locations/Roles</u>	<u>Treatments</u>	<u>Acres</u>	<u>Treatments</u>	<u>Acres</u>
Sacramento County	9,116	9,962	6,306	15,738
Sac County Aerial	29 Order, 432 Sources	21,994	25Orders,488 Sources	25,241
Sac County Drone Treatments	16 orders	643.49	18 Orders	1,414
Yolo County	2,144	7,761	2,399	9,644
Yolo County Aerial	98 Order, 1198 Sources	117,919	68 Orders 1045 Source	104657
Yolo County Drone Treatments	15 Order	1107.1	27 Orders	2,249
CB Treated	166,842	--	185,002	--
CB Inspected -not treated	152,943	--	166,417	--

<b>Aerial Adulticide Summary thru October 31<sup>st</sup></b>				
	<u>2020</u>		<u>2019</u>	
<u>County</u>	<u># Applications</u>	<u>Acres</u>	<u># Applications</u>	<u>Acres</u>
Sacramento Ag	16	114,772	14	94,941
Sacramento Urban	0	0	0	0
Yolo Ag	62	475,124	69	470,826
Yolo Urban	0	0	0	0
Totals		589,896		565,767

### **VDCI Summary through October 31<sup>st</sup>, 2020**

**compared to: 2019**

Contract Acres (our portion) =	530,000	530,000
Acres used =	589,896	565,767
Acres remaining =	<b>(-59,896)</b>	<b>(-35,767)</b>
% Acres used =	111%	107%
% Acres remaining =	0%	0%

San Joaquin County MVCD has used 174,631 acres of their 190,000 acre contract commitment.  
Placer MVCD has used 74,941 acres of their 100,000 acre commitment.  
Turlock MAD has used 187,998 acres of their 180,000 acre commitment.

## **PUBLIC INFORMATION AND EDUCATION**

### **Monthly Report for the November 2020 Board Meeting**

#### **New detections of invasive *Aedes aegypti* mosquitoes**

As a result of detecting invasive *Aedes aegypti* mosquitoes in the Arden-Arcade area we reached out to local elected officials. Sacramento County Board Supervisor, Susan Peters, sent out a newsletter about the finding of these mosquitoes to all of her constituents. We also reached out to the Arden-Park, Arden-Manor and Mission Oaks park districts to offer mosquito repellent wipes.

Invasive mosquitoes have also been detected in Isleton and in South Sacramento. A press release was issued to provide an update on the various locations with invasive mosquitoes including the original finding in Winters. Media coverage was obtained by the Sacramento Bee, the Winters Express and CBS-13.

#### **Nextdoor and social media efforts**

After the initial detection of invasive mosquitoes in Arden-Arcade and Isleton, District staff began door to door outreach in affected neighborhoods. Field Technicians utilized the door hanger that was produced last year along with a public relations bag that was left at all homes that were visited which included information of invasive mosquitoes and repellent.

Social media messages specific to invasive *Aedes* mosquitoes were posted on all platforms along with Facebook posts that were boosted specifically to residents in affected neighborhoods. Nextdoor was used to post specific messages regarding upcoming treatments and encouraged residents to sign up for email spray notifications.

Ongoing social media posts will continue until there are no additional detections of invasive mosquitoes for the season and will resume in the late Winter/early Spring.

#### **Educational Video**

Some of our field staff thought it would be useful to put together an educational video showcasing what Field Technicians look for when conducting a home service inspection. The video will highlight the current issue of invasive mosquitoes, their biology and tips for residents.

#### **Repellent and Materials Distribution**

We provided repellent to the City of Davis, the Isleton Chamber of Commerce and the City of Isleton.

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

### **November 17, 2020 Board Meeting**

#### **5. Board Review and Consideration of New Quantitative Real Time Polymerase Chain Reaction (QRTPCR) Machine**

##### **Staff Report:**

With recent installation of the new PCR laboratory, our in house testing has allowed for a more flexible workflow and has streamlined the testing process. With these improvements, we continue to look for new opportunities to improve the speed and output of our testing. One way to improve our productivity is to update our existing PCR instrument. Our current PCR instrument, an ABI 7500, was purchased in 2005 and since then advances have been made to the PCR platform reducing the amount of time to receive results by 50 to 60 percent. This time savings would make it possible to not only release test results to the control staff more expeditiously but the new system combined with our existing system running in tandem could also provide the ability to increase the quantity of samples that can be processed per day. The table below summarises the quotes we received from the three vendors.

Life Technologies	QuantStudio5 (0.1ml)	\$29, 370.63	Quote# S4137169
Bio-Rad	CFX Opus 96	\$29,050.00	Quote# QQ34263-CPQ20
Qiagen	QIAquant 96 5plex	\$32,179.50	Quote# 201008US01245900MW

All three companies are well established within the real-time PCR industry, their representatives have been very responsive and they all provide similar training and warranties on their products. District staff is requesting the Board to authorize the purchase of the Life Technologies QuantStudio5 machine. The disposable plastics that are used in conjunction with the QuantStudio5 are less expensive than with the other two units, saving the District considerable expense during the life of the machine. This is the same machine that the DART lab at UC Davis and other MVCAC member Districts use, providing continuity of utilizing the same platform.

##### **Recommendation:**

**Authorize the purchase of the QuantStudio5 from Life Technologies not to exceed \$35,000.**

To ensure you receive your quoted pricing, please clearly reference your quotation number on your Purchase Order. Please issue your  
**Purchase Order to: Life Technologies Corporation.**

To place your order: Fax # 877-680-2537, Attn: Instruments  
Pricing Admin OR email to:  
[NAInstrumentOrders@thermofisher.com](mailto:NAInstrumentOrders@thermofisher.com)

We now offer highly competitive financing options with low monthly payments. Please contact your local sales representative for more information on how we can meet your financing needs.

## Life Technologies Corporation

3175 Staley Road  
Grand Island, New York 14072 USA  
Fax No.: 1-800-331-2286 USA  
To Order: 1-800-955-6288 USA  
[www.thermofisher.com](http://www.thermofisher.com)

<b>Valid From</b>	: 10/14/2020
<b>Valid To</b>	: 12/11/2020
<b>Freight Terms</b>	: FOB FACTORY - FRT QUOTED
<b>Payment Terms</b>	: Net 30

SACRAMENTO YOLO MVCD  
  
VECTOR CONTROL DISTRICT  
  
8631 BOND RD  
  
ELK GROVE  
CA 95624 US  
  
**ATTN:**

WE ARE PLEASED TO QUOTE ON YOUR REQUIREMENT AS FOLLOWS

Item No	SKU	Description	Min Qty	List Price	Net Price	Extended Price
1	A28568	QS5 0.1ML QPCR SYSTEM, LAPTOP EACH System solution benefits: - High-performance system with a wide programmable temperature range from 4°C to 100°C - 96-well capacity, compatible with all formats (single tubes, 8-tube strips, and 96-well plates) - Enables low reaction volume to help you save reagents - Small footprint of (W x D x H) 27 x 50 x 40 cm to save your precious bench space - User friendly instrument packaging to enable easy installation - Interactive touchscreen with simple user	1	\$45,670.00	\$28,975.00	\$28,975.00

Item No	SKU	Description	Min Qty	List Price	Net Price	Extended Price
		<p>interface</p> <ul style="list-style-type: none"> <li>- VeriFlex™ block technology running independent Peltier blocks for 6 independent zones for better temperature zone precision and better than gradient reaction optimization</li> <li>- Multiple USB port for convenient data download/upload on the instrument</li> <li>- Optional Barcode scanner available for easy reagent information entry</li> <li>- Optional WiFi dongle for de-cluttered connectivity</li> <li>- Standard and Fast run modes supported</li> <li>- Pre-calibrated decoupled 6-color White LED optical system to get you started right away</li> <li>- No loss of multiplex-capabilities when running fast</li> <li>- Optional use of passive reference dye to help diagnose non-PCR related problems</li> <li>- Simplified recalibration-option to guarantee optimal performance even if you move labs</li> <li>- Enabled for stand-alone (PC-free), computer, or network control configuration (Ethernet LAN/WiFi-enabled) for maximum flexibility and convenience</li> <li>- PC/MAC computer compatible (using web browser-based software)</li> <li>- Option to collect all filters for all wells regardless of plate setup enabling post-run setup- Intuitive, convenient and flexible system software with unlimited number of licenses</li> <li>- Includes the following software applications: Comparative Ct, Standard Curve, Relative Standard Curve, Genotyping, Presence/Absence, Melt Curve Analysis,</li> <li>- Applied Biosystems proprietary Multicomponenting algorithm for optimal dye resolution</li> <li>- Multiplate Data Comparison---Compare an unlimited number of plates of gene expression assays through web browser-based software</li> <li>- RDML export for compatibility with MIQE guidelines</li> <li>- Enabled for compliance with 21 CFR Part 11 FDA guidelines on electronic records</li> </ul>				

Item No	SKU	Description	Min Qty	List Price	Net Price	Extended Price
		<p>security and prevents unauthorized access to the instrument</p> <ul style="list-style-type: none"> <li>- Work with our wide-variety of co-optimized reagents and our TaqMan® assay portfolio and SYBR offerings for unrivaled performance of both, routine and challenging applications</li> <li>- Free optional Smart Monitor service to help you maximize system uptime and improve productivity</li> <li>- cUL (tested to CAN/CSA standards), UL, CE, C-TICK, RoHS/WEEE compliant.</li> <li>- Experience qPCR ownership at the highest level - our knowledgeable team of technical application scientists is available to assist you with your real-time PCR questions by phone or email.- Choose from our flexible service and training plans to fit your specific laboratory requirements.</li> </ul> <p>The QuantStudio 5 96well 0.1ml Block Real-Time PCR System INCLUDES: (may ship in separate boxes/packages or downloadable)</p> <p>QuantStudio 5 96well 0.1ml Block Instrument Dell Laptop USB Storage Device Packing Kit (document inserts, cables, tube retainer) RNaseP Verification Plate included at no additional charge Full day training - SmartStart QuantStudio® Design and Analysis Web Browser-based Software QuantStudio® Design and Analysis Desktop Software</p> <p>LIMITED WARRANTY: One year parts and labor (as provided in Applied Biosystems' written limited warranty statement and terms in the user manual or other product documentation).</p> <p>Dell Laptop computer minimum specs:</p> <ul style="list-style-type: none"> <li>* Processor speed of 2.7GHz minimum</li> <li>* 4GB Ram memory minimum</li> <li>* Windows 7 Operating system</li> <li>* 250GB hard drive minimum</li> <li>* DVD RW drive</li> </ul>				

Item No	SKU	Description	Min Qty	List Price	Net Price	Extended Price
2	4351979	FAST 96 WELL RNASE P VERIF PLATE	1	\$760.00	\$0.00	\$0.00
3	4360954	OPTICAL ADHESIVE COVERS 25 PCS/ PACK	1	\$83.00	\$0.00	\$0.00
4	4483485	FAST 96W HARDSHELL PLATE CLEAR ,20 PCS PK MicroAmp® EnduraPlate Optical 96-Well Fast Clear Reaction Plate with Barcode, 0.1mL, 20 plates  Applied Biosystems® MicroAmp® EnduraPlate™ plastic consumables offer excellent PCR or qPCR performance in formats developed to meet your experimental needs. All of our plastic consumables are validated with Applied Biosystems® instruments for optimal fit and performance. With the new EnduraPlate™ reaction plates, there is now a solution for work that requires special handling and an even greater degree of durability for use with multi- instrument experiments	1	\$120.00	\$0.00	\$0.00
5	A26774	KIT,802.11B/G/N WIFI DONGLE EACH	1	\$85.00	\$0.00	\$0.00
6	A28807	SMARTSTART, QS 3/5, 1DAY, CS EACH	1	\$2,500.00	\$0.00	\$0.00

Estimated Shipping & Handling : \$395.63

Total: \$29,370.63

Optional Items:

Item No	SKU	Description	Min Qty	List Price	Net Price	Extended Price
7	ZG11SCQS	AB ASSURANCE,QSTUDIO5,0.1ML PC 5FAST	1	\$5,210.00	\$4,689.00	\$4,689.00



Quotation: S4161011

October 15, 2020

To reduce the number of pages we have to send you with every quotation, we are taking advantage of the internet to direct you to Life Technologies' General Terms and Conditions of Sale on our website. Please read the important statement below carefully.

This quotation, and Life Technologies' **GENERAL TERMS AND CONDITIONS OF SALE** (which are incorporated by reference into this quotation and any resulting contract), set out the terms on which Life Technologies is offering to sell the product(s) or service(s) listed in this quotation. By issuing a purchase order or otherwise ordering or accepting product(s) or services, you expressly confirm that you intend to be bound by and agree to the terms of this quotation and Life Technologies' General Terms and Conditions of Sale to the exclusion of all other terms not expressly agreed to in writing by an authorized representative of Life Technologies, and that the purchase and sale transaction between you and Life Technologies is subject to and will be governed by this quotation and Life Technologies' General Terms and Conditions of Sale.

Life Technologies' General Terms and Conditions of Sale can be found on Life Technologies' website at <http://www.thermofisher.com/termsandconditions> under the "terms and conditions" link at the bottom of the webpage.

If you have any questions, please visit our website at [www.thermofisher.com](http://www.thermofisher.com).

NOTE: Customer MUST reference quotation number when ordering to receive discounts

#### ADDITIONAL TERMS AND CONDITIONS OF QUOTATION

1. This quotation shall apply only to direct order purchases. In order to receive quoted prices, the quotation number must be referenced at time of order. Credits will not be issued for orders not referencing quotation numbers.
2. The effective dates of this quotation appear on the first page unless otherwise noted.
3. Percentage discounts in this quotation will be calculated from our current price for the applicable product. Discounts will be calculated from single unit catalog price. We reserve the right to change our prices at any time. Any increase or decrease to the price of a product would result in a change to your discounted price. Certain discounts are based on categories of products (e.g., "Pricing Product Line" or "PPL" discounts) that might change over time. We reserve the right to re-align products within a category or add or remove products to or from a specific category at any time. Such realignment, addition or removal may result in a change to your discounted price for a particular product.
4. We may terminate this quotation upon written notice.
5. This quotation contains our confidential pricing information which if disclosed to third parties could cause competitive harm to us. Subject to overriding obligations to third party funding agencies or governmental entities, the customer agrees to keep all pricing information contained herein confidential.

**Alyssa Quon**  
**Sales Representative**



Bio-Rad 2000 Alfred Nobel Drive, Hercules, CA 94547  
Phone Number: 1-800-224-6723 (1-800-2BIORAD)  
FAX #: 1-800-883-1887 or 1-510-741-6373  
Email Address for Order Placement: [usorders@bio-rad.com](mailto:usorders@bio-rad.com)  
Email Address for Order Inquiry: [ask\\_customer\\_care@bio-rad.com](mailto:ask_customer_care@bio-rad.com)

Quotation Number :

QQ34263-CPQ20

Date: 10/06/2020

Kara Kelley

SAC YOLO MOSQUITO & VECTOR

Quote Expiration Date: 11/30/2020

Payment Terms: within 30 days Due net

Sales Rep: Chelsea McCallister  
[chelsea\\_mccallister@bio-rad.com](mailto:chelsea_mccallister@bio-rad.com)

Phone: 9164052086

Fax:

Email: [kkelley@fightthebite.net](mailto:kkelley@fightthebite.net)

	Part Number	Qty	Description	List Price	Unit Discount	Extended Price
1	12011319	1	CFX Opus 96 Real-Time PCR Instrument 96-well, 5-color plus FRET, network- connected real-time PCR detection system, includes CFX Opus 96 base unit, cables	\$42,775.00	32.32%	\$28,950.00
2	12013346	1	Wi-Fi antenna enables Wi-Fi connection for CFX Opus in North America and other specific countries.	\$124.00	100.00%	\$0.00
3	12013758	1	CFX Maestro 2.0 Software for Windows PC 1 license, CFX Maestro 2.0, software for real-time PCR plate setup, data collection, statistics, and graphing of results; for Windows PCs	\$1,170.00	100.00%	\$0.00
4	12004128	1	CFX Maestro Software, Mac Edition Mac edition of CFX Maestro Software for real-time PCR plate setup, data analysis, statistics, and graphing of results	\$168.00	100.00%	\$0.00
5	1707399	1	COMPUTER, LAPTOP, PC HP ProBook 450 G6 Windows 10 Pro	\$2,323.00	100.00%	\$0.00
6	1725280	1	SsoAdvanced™ Universal Probes Supermix, 200 x 20 µl rxns, 2 ml (2 x 1 ml) 2 ml (2 x 1 ml vials), 2x qPCR mix, contains dNTPs, Sso7d fusion polymerase, MgCl <sub>2</sub> , stabilizers, ROX normalization dyes, for 200 x 20 µl reactions	\$175.00	100.00%	\$0.00
7	1708840	1	iScript™ Reverse Transcription Supermix, 25 x 20 µl rxns, 100 µl 25 x 20 µl reactions, 100 µl 5x supermix, contains reverse transcriptase, RNase inhibitor, dNTPs, primers, MgCl <sub>2</sub> , stabilizers; 50 reactions of no-RT control supermix	\$180.00	100.00%	\$0.00



8	HSP9601	1	Hard-Shell® 96-Well PCR Plates, low profile, thin wall, skirted, white/clear Pkg of 50, white shell/clear well PCR plate, rigid 2-component design	\$268.00	100.00%	\$0.00
9	MSB1001	1	Microseal 'B' PCR Plate Sealing Film, adhesive, optical Pkg of 100, optically clear seal for PCR plates	\$185.00	100.00%	\$0.00

<b>Sub Total:</b>	\$28,950.00
<b>Estimated Packaging:</b>	\$0.00
<b>Estimated Freight:</b>	\$100.00
<b>Estimated Total:</b>	\$29,050.00

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Kara Kelley  
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Oct 08, 2020  
QIAGEN LLC  
19300 Germantown Road  
Germantown, MD 20874-1415  
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Dear Kara Kelley

Thank you for your interest in our products. Please find below the details of your quotation.

High performance real-time PCR thermal cycler with 5plex detection system, 96-well block, software, and touchscreen interface. 115V power specification.

Line Item No.	Quantity	Catalog #	Product	Unit Price [USD]	Total Price [USD]
1	1	9003013	QIAquant 96 5plex (115V) System	28,882.70	28,882.70
2	1	9245380	QIAquant 96, Full Agreement	2,994.40	2,994.40
3	1	209002	qPCR 96-well plate, white, skirted (10)	54.40	54.40
4	1	209003	qPCR adhesive plate foil (100)	248.00	248.00

Quote Total [USD]: 32,179.50



To ensure that correct prices are invoiced please always use the quote number stated above when placing your order.

This Quote shall be governed by the QIAGEN Standard Terms and Conditions available at  
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**Terms of Delivery and payment:**

<b>Offer validity:</b>	Valid From: 10/08/2020 Valid To: 12/31/2020
<b>Price:</b>	Prices do not include Tax
<b>Payment:</b>	30 days net
<b>Dry ice charge:</b>	Per order = \$24 (if dry ice item is included)
<b>Delivery charge:</b>	Per order handling fee = \$30.00 Per order HAZMAT Fee (if hazmat item is included) = \$29 UPS Ground, \$44 UPS Air Freight charges to be calculated based on carrier service type and delivery location.

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