

SACRAMENTO-YOLO
MOSQUITO & VECTOR
CONTROL DISTRICT

SEPTEMBER 18, 2018

BOARD OF TRUSTEES
REGULAR MEETING

BOARD PACKET

10:00 A.M.

8631 Bond Road
Elk Grove, CA 95624

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

8631 Bond Road
Elk Grove, CA 95624

**AGENDA
September 18, 2018
10:00 AM**

In compliance with the Americans with Disability Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact the District office at (916) 685-1022 or (916) 685-5464 (fax). Requests must be made as early as possible, and at least one-full business day before the start of the meeting. Documents and materials relating to an open session agenda item that are provided to the SYMVCD Board less than 72 hours prior to a regular meeting will be available for public inspection and copying at 8631 Bond Road, Elk Grove, Ca 95624. The documents will also be available on the agency's website at www.fightthebite.net.

CALL TO ORDER:

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

1. **Items for Approval by General Consent:**
 - a. **Minutes of the August 21, 2018 Board of Trustees Meeting**
 - b. **Expenditures for August 2018**
 - c. **District Investment Report for Period Ending June 30, 2018**
 - d. **Annual Cooperative Agreement Between the California Department of Public Health and the Sacramento-Yolo Mosquito and Vector Control District**

2. **Opportunity for Public Comment**

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

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

4. **Board/Staff Reports and Requests**

5. **Adjournment**

Sacramento-Yolo Mosquito and Vector Control District

September 18, 2018 Board Meeting

1. Items for Approval by General Consent:

- a. Minutes of the August 21, 2018 Board of Trustees Meeting;
- b. Expenditures for August 2018;
- c. District Investment Report for Period Ending June 30, 2018;
- d. Annual Cooperative Agreement Between California Department of Public Health and the Sacramento-Yolo Mosquito and Vector Control District.

Recommendation:

Approve the Items by General Consent

**MINUTES OF THE AUGUST 21, 2018
REGULAR 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:

Susan Maggy	President	Sacramento County
Raymond LaTorre	Vice President	Sacramento
Jayna Karpinski-Costa	Secretary	Citrus Heights
Christopher Barker		Davis
Craig Burnett		Folsom
Raul DeAnda		West Sacramento
Sean Denny		Woodland
Bruce Eldridge		Yolo County
Frederick Goethel		Galt
Lyndon Hawkins		Elk Grove
Rosemarie Moore		Isleton

TRUSTEES ABSENT:

Robert McGarvey	Rancho Cordova
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STAFF PRESENT:

Gary Goodman	Manager
Samer Elkashef	Assistant Manager
Janna McLeod	Administrative Manager
Marcia Reed	Laboratory Director
Marty Scholl	Ecological Management Supervisor
Steve Ramos	Program Coordinator
Tony Hedley	Fisheries Supervisor
Luz Maria Robles	Public Information Officer

CALL TO ORDER

The meeting was called to order at 10:00 a.m. by President Susan Maggy.

Roll Call

Trustee Robert McGarvey is absent. Trustee Gregory Lanzaro has resigned from the Board and the City of Winters will be appointing a new Trustee to finish his term; however, a quorum is present. Trustee Barker arrived after the vote on item one and had to leave before the vote on item six.

Pledge of Allegiance

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

1. ITEMS FOR APPROVAL BY GENERAL CONSENT

On a motion by Trustee Burnett, seconded by Trustee Denny the Board voted to approve General Consent Items a. through e. The motion passed by the following vote: Ayes: 11, Noes: 0, Absent: 1.

- a. Minutes of the July 17, 2018 Board of Trustees Meeting;
- b. Expenditures for July 2018;
- c. Approval of Catastrophic Leave Bank Policy;
- d. Board Consideration of Resolution Honoring David Butler for His Years of Service;
- e. Board Consideration of Resolution Honoring Gregory Lanzaro for His Years of Service.

2. OPPORTUNITY FOR PUBLIC COMMENT

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

Felix Huerta, Jr. representative with the Local Operating Engineers No. 3. requested to speak to the Board. Mr. Huerta reviewed Union activity indicating a meeting regarding the assignment of overtime in the Lab took place, one grievance has been filed and resolved at the Manager level, and a request to receive and discuss the District Safety Manual has been made by the Union. Mr. Huerta reviewed his request and provided the Board with a copy of e-mails related to the request (Attachment A).

3. REPORTS TO THE BOARD

a. Manager's Report:

The District's West Nile season is not slowing down and our region is seeing the vast majority of activity. We are ahead of our usual averages for adulticiding and larviciding for the year. The District continues to follow the Mosquito Borne Disease Management Plan with enhanced surveillance and control efforts in response to positive dead birds or positive mosquito collections. The District is progressing with the aerial applications by UAS with LEA, Inc. We are learning the capabilities of the units in anticipation of CDPR finalizing their regulations to allow for our staff to operate the units without the need for an outside contractor. CDPR has indicated their regulations should be ready by 2019. MVCAC members are meeting with the State Department of Consumer Affairs to discuss mosquito control and the cannabis industry. We have already met with CDPR on this issue earlier this year. The Governor approved the budget which includes \$500,000 for the CalSurv Gateway. The MVCAC put forth a tremendous effort to get AB 2892 pushed through and we are modifying some language to be included in the final bill. We will now focus efforts on long-term funding and monies for research. A Tour for Elected Officials has been arranged by CSDA on the 23rd of August. They will be coming to see the District operations from 9am to 11am. The Integrated Pest Management section of the EPA has expressed interest in a tour of the District to be scheduled in the near future.

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: Lab Director, Marcia Reed discussed surveillance activities including mosquito abundance, mosquito trapping, dead bird EVS testing, and tick and Lyme disease surveillance. Mosquito abundance is above the 5 year average except for *Cx tarsalis*, which is below the 5 year average. Marcia reviewed the progress of District studies and collaborations including Suspend Polyzone, Rice Residue, and *kdr* in *Cx tarsalis* among others. The Lab will be processing data collected during these studies and trials throughout the fall/winter. Tick flagging and testing will begin in October.

Ecological Management: Ecological Management Supervisor, Marty Scholl discussed the Wetland, Agricultural, Stormwater/drainage, Planning, Swimming Pool and UAS programs. Staff has been meeting with duck clubs and landowners in preparation for fall flooding. Staff will be assisting the Department of Water Resources with a meeting for landowners on Sherman Island in late August. Staff is working with Airbus Aerial getting their feedback on satellite imagery for locating blue and green pools. The UAS program development continues and Marty has been asked to speak at a conference that will be held in Las Vegas in September.

Biological Control: Fisheries Supervisor, Tony Hedley provided a written report in the Board packet. Fisheries technicians have been busy with rice fish planting activities with 1,478.87 pounds of fish used in the month of July. About a third of the fish plantings were for residential with the rest in the rice fields. Technicians prepared a live display for the state fair and assisted in pool inspections on two Saturdays. Technicians are performing regular facility maintenance activities as well as cleaning ponds and preparing them for next year.

Larval and Adult Control: Program Coordinator, Steve Ramos provided a written report in the Board packet. Crews are continuing to respond to WNV activity and high trap counts in our areas of concern in Davis and North Sacramento County. Aerial larvicide treatments have increased due to more rice fields coming up positive for mosquito breeding. Steve reviewed the trials that control is participating in including Sumilarv, Meris, DeltaGard and WALs. Service requests for Yellowjackets are on the rise as is expected this time of year.

Public Outreach: Public Information Officer, Luz Robles provided a written report in the Board packet. Luz reviewed advertising and media, outreach to local elected officials, social media and events. Social media outreach was targeted to specific zip codes in our areas of concern to assist in getting the information out to those residing in these areas. This proved to be an effective tactic resulting in an increase of 2,747 people signing up to receive texted spray notifications. Staff also attended and performed outreach at more localized events being held in the areas of concern to further increase education and spray notification enrollments. Other August events that were attended include a UC Davis Master Gardner event and the Yolo County Fair.

4. STATUS OF WEST NILE VIRUS ACTIVITY AND DISTRICT RESPONSE

Assistant Manager Samer Elkashef presented the item. He reviewed a map of the areas of concern and the placement of surveillance traps, mosquito sources, and the 1 mile buffers for source radius inspections and treatments. Areas of concern included Elk Grove and the Pocket area south of Fruitridge Road. Treatment efforts are concentrated in the areas to quickly interrupt the transmission cycle of West Nile virus. Samer discussed aerial adulticide treatments that took place from mid-June through mid-August with a map of the spray blocks. He included the result numbers showing the effect the aerial spray had on the populations within the block. No action was taken by the Board as this was an information item only.

5. BOARD REVIEW AND CONSIDERATION OF CALPERS VALUATION

Manager Gary Goodman presented the item and was available to answer questions. The valuation report sets the rates for the 2019-2020 fiscal year and provides an update of the District Unfunded Accrued Liability or UAL. No action was taken by the Board as this was an information item only.

6. BOARD REVIEW AND CONSIDERATION OF AERIAL CONTRACT WITH CLARKE MOSQUITO CONTROL AND DYNAMIC AVIATION

Manager Gary Goodman presented the item. Due to the nature of the VDCI contract and MOU's with Placer, San Joaquin, and Turlock there are times when more than two planes are needed and bringing in additional planes can be a challenge. The District would like to proceed with a contingency contract with Clarke Mosquito Control and Dynamic Aviation for the remainder of the season only using them if VDCI cannot meet our needs and timing requirements. On a motion by Trustee Burnett, seconded by Trustee Goethel the Board voted to authorize the Manager to enter into a Contingency Contract with Clarke Mosquito Control and Dynamic Aviation. The motion passed by the following vote: Ayes: 10, Noes: 0, Absent: 2.

7. BOARD/STAFF REPORTS AND REQUESTS

The annual repellent purchase will be brought to the Board at a future meeting.

The MVCAC Quarterly meeting will be held November 1st and 2nd.

The Audit field days are next month from 9/11 to 9/13/18.

NPDES language is attached to the farm bill and is in conference and may be heard at the end of this month.

8. ADJOURNMENT

The meeting adjourned at 12:13 pm.

* * * * *

I certify that the above minutes substantially reflect the general business and actions taken by the Board of Trustees at the August 21, 2018 meeting.

Gary Goodman, Manager

Approved as written and/or corrected by the Board of Trustees at the September 18, 2018 meeting.

Jayna Karpinski-Costa, Board Secretary

Huerta, Felix

From: Huerta, Felix
Sent: Monday, August 20, 2018 12:37 PM
To: 'Gary Goodman'; Janna McLeod; Samer Elkashef; Chris Voight
Cc: Huerta, Felix
Subject: RE: Shoe issue

August 20, 2018

Gary Goodman, General Manager,
Sacramento Yolo Mosquito & Vector Control District
8631 Bond Road, Elk Grove CA 95624

Unfair Labor Practice

Gary,

While not intentional you failed to notify us. Clearly, this is a work rule. As such we will seek relief from PERB. Had you properly notified us we would have meet and conferred over the impact and effect of this work rule and any others contained in the Safety Manual. If you are willing to meet and confer over this matter and the Safety Manual, we can avoid the expense and time of an Unfair Labor Practice charge with PERB. Let me know how you would like to proceed.

Sincerely,

Felix Mario Huerta Jr.

Cc Membership
SYMVCD Board

From: Gary Goodman [mailto:gwgoodman@fightthebite.net]
Sent: Monday, August 20, 2018 11:57 AM
To: Huerta, Felix <fhuerta@oe3.org>
Cc: Janna McLeod <jmcleod@fightthebite.net>; Samer Elkashef <selkashef@fightthebite.net>
Subject: Re: Shoe issue

Felix,

The District views the open toed shoe issue as a safety concern. The issue was originally discussed in the District's safety committee in September 2010 and the practice has been in place since that time. The District believes that the current practice of requiring closed toe shoes is a safety precaution to minimize injuries, help manage potential workers compensation claims and to protect the health and well being of our employees.

You requested a meeting with the District to talk about this issue and we met with you on the afternoon of August 10th where the District's stance on the issue was reaffirmed.

Article 18 "Health, Safety, and Workplace Violence Prevention" of the MOU states that "This section shall be governed in accordance with District Policy and practice". This particular practice of wearing closed toe shoes while at work has been in place since 2010 and was instituted after being discussed and brought up in the District's safety committee.

It is our understanding that you believe that this practice is a work rule and should have been disclosed at the bargaining table. The District did not intentionally hide this practice from you due to the fact that we did not consider it to be a work rule, but again a safety practice. There are many practices that are in place to help ensure that our employees are working in a safe environment.

The District believes that the current safety practice of wearing closed toe shoes at the workplace should remain.

--

Gary Goodman
Sacramento Yolo Mosquito & Vector Control District
8631 Bond Road, Elk Grove CA 95624
(800) 429-1022 - www.FightTheBite.net

On Fri, Aug 17, 2018 at 3:17 PM, Huerta, Felix <fhuerta@oe3.org> wrote:

Gary,

I need a response by Monday at 12 pm regarding the shoe issue. There is no shoe policy.

We will seek relief from PERB on Monday.

Felix Mario Huerta Jr.

Operating Engineers Local Union No. 3, AFL-CIO

Business Representative/Organizer

(916) 203-8436

August 2018 Check Register
Activity From: 8/1/2018 to 8/31/2018
Sacramento Yolo MVCD (SYC)

Check Number	Check Date	Vendor Number	Name	Check
<u>Bank Code:</u> U US Bank				
052040	8/2/2018	0000504	US Bank	24,988.59
052041	8/9/2018	0000006	Adapco Inc	36,950.29
052042	8/9/2018	0000014	Alhambra & Sierra Springs	419.52
052043	8/9/2018	0000018	ANDKO Building Maintenance Inc.	2,777.94
052044	8/9/2018	0000034	AutoZone Inc	145.43
052045	8/9/2018	0000036	Awards by Kay	113.12
052046	8/9/2018	0001031	Brewtime Repair	111.25
052047	8/9/2018	0001011	Buckmaster Office Solutions	136.62
052048	8/9/2018	0001019	Cintas Corporation	2,119.58
052049	8/9/2018	0000117	City of Woodland	443.46
052050	8/9/2018	0000119	Clarke Mosquito Control Products Inc	5,636.71
052051	8/9/2018	0000126	Complete Welders Supply Inc	934.63
052052	8/9/2018	0000128	Consolidated Communications	2,484.98
052053	8/9/2018	0000176	EDD	401.00
052054	8/9/2018	0000182	Elk Grove Ford	31.25
052055	8/9/2018	0000184	Elk Grove Lock and Safe Company	48.23
052056	8/9/2018	0000186	Elk Grove Water District	542.30
052057	8/9/2018	0000198	Factory Motor Parts Co	19.35
052058	8/9/2018	0000200	Fastenal Company	354.84
052059	8/9/2018	0000208	Fox 40 KTXL	416.50
052060	8/9/2018	0001032	Good Times Motor & Marine Sports	8,712.13
052061	8/9/2018	0000240	Hunt & Sons Inc	14,838.75
052062	8/9/2018	0000938	Jim Hesseltine's Tire Service, Inc.	439.51
052063	8/9/2018	0000298	Lotus Sacramento Corp	1,900.00
052064	8/9/2018	0000320	Mettler Toledo Rainin LLC	2,003.89
052065	8/9/2018	0000356	OReilly Automotive Stores Inc	495.27
052066	8/9/2018	0000367	PG & E	18.47
052067	8/9/2018	0000388	Republic Services #922	33.72
052068	8/9/2018	0001012	Riebes Auto Parts	873.33
052069	8/9/2018	0000427	Safety Kleen Corp	190.03
052070	8/9/2018	0000442	Sheldon Feed & Supply	335.79
052071	8/9/2018	0000451	SMUD	4,653.34
052072	8/9/2018	0000937	Staples Business Advantage	640.73
052073	8/9/2018	0000462	Sterling May Co	725.61
052074	8/9/2018	0000475	Target Specialty Products	271,289.21
052075	8/9/2018	0000487	The Tremont Group Inc	294.28
052076	8/9/2018	0000497	TriCo Welding Supplies	84.75
052077	8/9/2018	0000501	United Textile Inc	91.59
052078	8/9/2018	0000503	Univision Communications Inc	8,000.00
052079	8/9/2018	0000505	US Bank Equipment Finance	102.36
052080	8/9/2018	0000518	Vector Disease Control International	22,460.20
052081	8/9/2018	0000522	Verizon Wireless	3,534.69
052082	8/9/2018	0000529	Waste Management	404.72
052083	8/16/2018	0000267	Kaiser Foundation Health Plan	20,950.92
052084	8/16/2018	0000267	Kaiser Foundation Health Plan	1,323.49
052085	8/16/2018	0000267	Kaiser Foundation Health Plan	1,985.25
052086	8/16/2018	0000267	Kaiser Foundation Health Plan	15,579.87
052087	8/16/2018	0000357	P & A Administrative Services Inc	126.00

052088	8/16/2018	0000373	Preferred Benefit Ins Administrators	8,399.00
052089	8/16/2018	0000957	Sutter Health Plus	3,741.40
052090	8/16/2018	0000531	Western Health Advantage	7,494.62
052091	8/16/2018	0000531	Western Health Advantage	4,936.31
052092	8/23/2018	0000006	Adapco Inc	450,990.87
052093	8/23/2018	0000038	Bartkiewicz Kronick & Shanahan	1,667.50
052094	8/23/2018	0001011	Buckmaster Office Solutions	634.15
052095	8/23/2018	0001019	Cintas Corporation	1,028.29
052096	8/23/2018	0000119	Clarke Mosquito Control Products Inc	124,668.15
052097	8/23/2018	0000126	Complete Welders Supply Inc	1,767.31
052098	8/23/2018	0000199	Farm Air Flying Service	136,842.08
052099	8/23/2018	0000958	GreatAmerica Financial Services	372.82
052100	8/23/2018	0000962	Hanson Lab Furniture	9,787.00
052101	8/23/2018	0000240	Hunt & Sons Inc	10,331.38
052102	8/23/2018	0000293	Life Technologies Corporation	166.34
052103	8/23/2018	0000352	Northern Safety Co	456.45
052104	8/23/2018	0000354	Omni Bags Inc	7,200.00
052105	8/23/2018	0000367	PG & E	1,167.54
052106	8/23/2018	0000413	Sacramento County Utilities	960.54
052107	8/23/2018	0000456	Spex SamplePrep LLC	5,139.60
052108	8/23/2018	0000461	Stericycle Inc	77.20
052109	8/23/2018	0000475	Target Specialty Products	77,472.69
052110	8/31/2018	0000043	Benefit Coordinators Corporation	3,281.36
052111	8/31/2018	0000084	CA State Disbursement Unit	694.00
052112	8/31/2018	0000084	CA State Disbursement Unit	350.00
052113	8/31/2018	0000339	Nationwide Retirement Solutions	1,300.00
052114	8/31/2018	0000339	Nationwide Retirement Solutions	3,375.00
052115	8/31/2018	0001035	Operating Engineers Local Union No. 3	1,260.00
052116	8/31/2018	0000357	P & A Administrative Services Inc	126.00
052117	8/31/2018	0000504	US Bank	23,693.74
W00040	8/1/2018	0000087	CalPERS Financial Reporting & Accounting	48.93
W00043	8/31/2018	0000087	CalPERS Financial Reporting & Accounting	700.00
W00044	8/31/2018	0000086	CalPERS 457 Plan	22,366.19
W00045	8/31/2018	0000087	CalPERS Financial Reporting & Accounting	72,794.74
W00046	8/31/2018	0000176	EDD	17,524.65
Bank U Total:				<u>1,463,979.34</u>

Bank Code:Y Bank of America

W00041	8/2/2018	0000561	United States Treasury	128.35
W00042	8/31/2018	0000561	United States Treasury	64,829.27
Bank Y Total:				<u>64,957.62</u>
Report Total:				<u><u>1,528,936.96</u></u>

I hereby authorize the use of my signature plate on
the above-listed warrants, Bank Code U 52040-52117 and EFTs W00040 and W00043-W00046
Bank Code Y EFTs W00041 and W00042

Susan Maggy, President of the Board

S.Y.M.V.C.D
FY 2018-2019 Budget Update
August 2018

	Account #	Account Description	2 Months Ended August 31, 2018	Annual Budget	Unused
T	4000	REVENUE	\$ -	\$ -	\$ -
T	5000	SALARIES/BENEFITS/WC	\$ 2,124,158.14	\$ 8,056,523.70	\$ 5,932,365.56
T	5200	OPERATIONAL	\$ 2,787,689.74	\$ 5,433,364.00	\$ 2,645,674.26
T	5210	LIABILITY INSURANCE	\$ 126,922.00	\$ 136,922.00	\$ 10,000.00
T	5250	AUDITING/FISCAL	\$ -	\$ 15,500.00	\$ 15,500.00
T	5270	COMMUNICATIONS	\$ 12,040.72	\$ 79,500.00	\$ 67,459.28
T	5310	PUBLIC INFORMATION	\$ 33,125.91	\$ 434,800.00	\$ 401,674.09
T	5340	STRUCTURE & GROUNDS	\$ 5,966.54	\$ 65,000.00	\$ 59,033.46
T	5370	MEMBER/TRAINING	\$ 28,218.38	\$ 113,000.00	\$ 84,781.62
T	5390	DISTRICT OFFICE EXPENSES	\$ 1,512.94	\$ 15,000.00	\$ 13,487.06
T	5430	PROFESSIONAL SERVICES	\$ 18,056.07	\$ 139,200.00	\$ 121,143.93
T	5440	MATERIALS & SUPPLIES	\$ 2,109.95	\$ 10,000.00	\$ 7,890.05
T	5450	RENTS & LEASES	\$ 1,797.75	\$ 8,750.00	\$ 6,952.25
T	5470	SAFETY PROGRAM	\$ -	\$ 5,000.00	\$ 5,000.00
T	5480	UTILITIES	\$ 14,707.59	\$ 100,000.00	\$ 85,292.41
T	6120	AIRCRAFT SERVICES	\$ 222,646.26	\$ 809,297.00	\$ 586,650.74
T	6140	ECOLOGICAL MANAGEMENT	\$ 588.52	\$ 17,600.00	\$ 17,011.48
T	6160	MICROBIAL	\$ 891,025.93	\$ 1,336,000.00	\$ 444,974.07
T	6170	BIORATIONALS (Formerly IGR)	\$ 310,633.76	\$ 902,620.00	\$ 591,986.24
T	6180	INSECTICIDES	\$ 1,006,693.99	\$ 765,000.00	\$ (241,693.99)
T	6220	FISHERIES	\$ 4,100.44	\$ 24,990.00	\$ 20,889.56
T	6280	GEOGRAPHIC INFO SYSTEMS	\$ 725.00	\$ 6,925.00	\$ 6,200.00
T	6320	INFORMATION TECHNOLOGY	\$ 6,735.88	\$ 31,450.00	\$ 24,714.12
T	6350	CONTROL OPERATIONS	\$ 1,487.83	\$ 28,710.00	\$ 27,222.17
T	6370	SHOP	\$ 21,421.18	\$ 88,000.00	\$ 66,578.82
T	6420	LAB SERVICES	\$ 36,463.91	\$ 156,600.00	\$ 120,136.09
T	6450	GAS & PETROLEUM	\$ 40,709.19	\$ 143,500.00	\$ 102,790.81
T	7000	CAPITAL ACCOUNTS	\$ 44,165.36	\$ 414,000.00	\$ 369,834.64
T	7011/1510	Capital Outlay/Construction In Progress	\$ 44,165.36	\$ 204,000.00	\$ 159,834.64
T	7030	Research Fund	\$ -	\$ 50,000.00	\$ 50,000.00
T	7035	Building Improvement	\$ -	\$ 160,000.00	\$ 160,000.00
T		TOTALS			
T		Salaries/Benefits	\$ 2,124,158.14	\$ 8,056,523.70	\$ 5,932,365.56
T		Operational	\$ 2,787,689.74	\$ 5,433,364.00	\$ 2,645,674.26
T		Capital Accounts	\$ 44,165.36	\$ 414,000.00	\$ 369,834.64
T		Total Budget	\$ 4,956,013.24	\$ 13,903,887.70	\$ 8,947,874.46

MAILING ADDRESS

SACRAMENTO COUNTY
 8631 BOND ROAD
 ELK GROVE, CA 95624

1.800.429.1022
FIGHTtheBITE.net

**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 **June 30, 2018.**

Gary Goodman, MANAGER

2018 BOARD OF TRUSTEES

SUSAN MAGGY
 PRESIDENT, SACRAMENTO COUNTY

RAYMOND LATORRE
 VICE PRESIDENT, SACRAMENTO

JAYNA KARPINSKI-COSTA
 SECRETARY, CITRUS HEIGHTS

CHRISTOPHER BARKER
 DAVIS

CRAIG BURNETT
 FOLSOM

RAUL DEANDA
 WEST SACRAMENTO

SEAN DENNY
 WOODLAND

BRUCE ELDRIDGE
 YOLO COUNTY

FREDERICK GOETHEL
 GALT

LYNDON HAWKINS
 ELK GROVE

GREGORY LANZARO
 WINTERS

ROBERT J. MCGARVEY
 RANCHO CORDOVA

ROSEMARIE MOORE
 ISLETON

Institution		Earnings	Total as of 06/30/2018
Yolo County Treasurer Investment Pool	1.5348%*	\$12,756.32	\$594,223.01
L.A.I.F.	1.90%	\$39,283.55	\$12,351,954.76
VCJPA-Member Contingency Fund	1.85%	\$ 4,487.00	\$1,254,556.00
VCJPA-Property Contingency Fund	1.85%	\$ 368.00	\$103,008.00
CERBT-Strategy 3		\$16,702.04	\$1,751,040.62
		District Total:	\$16,054,782.39

**Rates are reflected as annualized earning rates*



County of Yolo

www.yolocounty.org

DEPARTMENT OF FINANCIAL SERVICES

625 Court Street, Room 102

PO BOX 1268
WOODLAND, CA 95776
PHONE: (530) 666-8190
FAX: (530) 666-8215
DFS@yolocounty.org

HOWARD H. NEWENS, CIA, CPA
Chief Financial Officer

DOUGLAS K. OLANDER, CPA
Assistant Chief Financial Officer

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

September 11, 2018

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 June 30, 2018. 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 June 30, 2018:	1.5348%*		\$ 12,756.32
Quarter ending June 30, 2018:		1.90%	\$ 39,283.55
Placement of Funds as of June 30, 2018:			
	Yolo County Treasurer's Pool (Fund 6953)	\$	594,223.01
	Flexible Spending Account		27,519.50
	LAIF		<u>12,351,954.76</u>
	Total	\$	<u>12,973,697.27</u>

*Rates are reflected above as annualized earning rates.

Sincerely,

Edward Burnham
Accounting Manager, Treasury & Finance



Vector Control Joint Powers Agency

Member Contingency Fund

From July 1, 2017 Through June 30, 2018

For the Year Ended
June 30, 2018

Member District	Balance at Beginning of Year	Contributions	(Withdrawals)	Interest Earned	Allocated Admin.	Balance at End of Year
Alameda County	287,630	50,000	0	407	(36)	338,001
Burney Basin	24,093	3,771	0	31	(4)	27,891
Butte County	268,764	38,676	0	346	(32)	307,754
Coachella Valley	984,809	0	0	1,484	(107)	986,186
Coalinga-Huron	3,624	734	0	5	0	4,363
Colusa	59,705	7,846	0	79	(8)	67,622
Compton Creek	57,129	3,092	0	81	(8)	60,294
Consolidated	385,489	51,072	(154,561)	227	(42)	282,185
Contra Costa	861,085	141,060	(851)	1,101	(100)	1,002,295
Durham	1,758	2,131	0	6	0	3,895
Fresno	205,344	860	0	311	(22)	206,493
Glenn County	36,510	0	0	55	(4)	36,561
Greater Los Angeles	896,390	153,132	(36,633)	1,078	(105)	1,013,861
Lake County	104,523	24,713	0	196	(12)	129,420
Los Angeles County West	640,107	87,276	(225,810)	958	(53)	502,478
Marin-Sonoma	537,959	125,494	0	636	(65)	664,024
Napa County	294,064	29,466	0	428	(34)	323,924
No Salinas Valley	489,703	18,468	0	710	(54)	508,827
Northwest	748,749	50,248	0	1,059	(84)	799,972
Orange County	333,185	0	0	503	(36)	333,652
Oroville	10,885	35	0	16	0	10,936
Pine Grove	23,777	1,630	0	33	(4)	25,436
Placer	135,889	36,313	0	155	(16)	172,341
Sacramento-Yolo	1,091,213	161,565	0	1,902	(124)	1,254,556
San Joaquin County	616,859	317,492	(221,431)	822	(74)	713,669
San Mateo County	425,682	0	0	642	(46)	426,278
Santa Barbara County	51,220	0	0	76	(4)	51,292
Shasta	224,584	0	(2,001)	341	(24)	222,900
Sutter-Yuba	271,501	0	0	410	(29)	271,882
Tehama County	227,366	0	0	342	(24)	227,684
Turlock	199,524	0	0	300	(21)	199,803
West Valley	261,230	0	0	394	(28)	261,596
Total	10,760,350	1,305,074	(641,287)	15,133	(1,200)	11,438,071

Note:

Yield to maturity rate on the VCJPA portfolio is 2.03% as of the above date. As required by GASB 31, the allocated interest shown also reflects market value changes to the securities held in the portfolio. Therefore, the actual interest allocated to this fund, and all program year funds, may or may not equal the yield to maturity rate from quarter to quarter. However, the average overall allocated interest, over the life of this fund, should provide a close approximation.



Vector Control Joint Powers Agency

Property Contingency Fund

From July 1, 2017 Through June 30, 2018

**For the Year Ended
June 30, 2018**

Member District	Balance at Beginning of Year	Contributions	(Withdrawals)	Interest Earned	Year-end Property Transfer	Balance at End of Year
Alameda County	\$50,368	\$0	\$0	\$75	\$0	\$50,443
Burney Basin	14,538	0	0	22	0	14,560
Butte County	49,697	0	0	75	0	49,772
Coachella Valley	53,000	0	0	81	0	53,081
Coalinga-Huron	1,484	0	0	2	0	1,486
Colusa	6,489	0	0	10	0	6,499
Compton Creek	3,707	0	0	5	0	3,712
Consolidated	46,647	0	0	70	0	46,717
Contra Costa	67,324	0	0	102	0	67,426
Delta	0	0	0	0	0	0
Durham	0	0	0	0	0	0
Fresno	25,849	0	0	40	0	25,889
Glenn County	2,949	0	0	5	0	2,954
Greater Los Angeles	51,475	0	0	77	0	51,552
Kings	0	0	0	0	0	0
Lake County .	0	0	0	0	0	0
Los Angeles County	0	0	0	0	0	0
Marin-Sonoma	58,835	0	0	89	0	58,924
Napa County	833,850	0	0	1,257	0	835,107
No Salinas Valley	26,168	0	0	40	0	26,208
Northwest	17,201	0	0	26	0	17,227
Orange County	73,200	0	0	110	0	73,310
Oroville	0	0	0	0	0	0
Pine Grove	2,525	0	0	4	0	2,529
Placer	588	0	0	1	0	589
Sacramento-Yolo	102,854	0	0	154	0	103,008
San Gabriel Valley	97,113	0	0	146	0	97,259
San Joaquin County	91,884	0	0	138	0	92,022
San Mateo County	37,167	0	0	56	0	37,223
Santa Barbara County	1,720	0	0	2	0	1,722
Shasta	30,454	0	0	45	0	30,499
Sutter-Yuba	61,822	0	0	94	0	61,916
Tehama County	22,545	0	0	34	0	22,579
Turlock	0	0	0	0	0	0
West Valley	70,629	0	0	107	0	70,736
Total	\$1,902,082	\$0	\$0	\$2,867	\$0	\$1,904,949

Note:

Yield to maturity rate on the VCJPA portfolio is 2.03% 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.



Market Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Balance	\$1,734,714.93	\$1,673,349.51
Contribution	0.00	0.00
Disbursement	0.00	0.00
Transfer In	0.00	0.00
Transfer Out	0.00	0.00
Investment Earnings	16,702.04	79,158.68
Administrative Expenses	(217.40)	(847.70)
Investment Expense	(158.95)	(619.87)
Other	0.00	0.00
Ending Balance	\$1,751,040.62	\$1,751,040.62
FY End Contrib per GASB 74 Para 22	0.00	0.00
FY End Disbursement Accrual	0.00	0.00
Grand Total	\$1,751,040.62	\$1,751,040.62

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	14.007103	13.511603
Period Ending Unit Value	14.138926	14.138926

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 06/30/2018
Sacramento-Yolo Mosquito & Vector Control District
Entity #: SKB8-1375523307



Client Contact:
CERBT4U@CalPERS.ca.gov

COOPERATIVE AGREEMENT
(PURSUANT TO SECTION 116180, HEALTH AND SAFETY CODE)

Date 09/19/2017

This Agreement between the California Department of Public Health and

Sacramento-Yolo Mosquito and Vector Control District
(name and address of local vector control agency)

is effective on January 1, 2018 or on the subsequent date shown above, and expires December 31, 2018. It is subject to renewal by mutual consent thereafter.

Operator ID and/or license number to be listed on Monthly Summary Pesticide Use Reports (PR-ENF-060) for 2018:

Operator ID # 34-08-3401101 and 57-08-3401101 License # _____

This agreement may be canceled for cause by either party by giving 30 days advance notice in writing, setting forth the reasons for the termination.

Part I. Pesticides

The vector control agency named herein agrees:

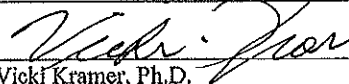
1. To calibrate all application equipment using acceptable techniques before using, and to maintain calibration records for review by the County Agricultural Commissioner.
2. To seek the assistance of the County Agricultural Commissioner in the interpretation of pesticide labeling.
3. To maintain for at least two years for review by the County Agricultural Commissioner a record of each pesticide application showing the target vector, the specific location treated, the size of the source, the formulations and amount of pesticide used, the method and equipment used, the type of habitat treated, the date of the application, and the name of the applicator(s).
4. To submit to the County Agricultural Commissioner each month a Pesticide Use Report, on Department of Pesticide Regulation form PR-ENF-060. The report shall include the manufacturer and product name, the EPA registration number from the label, the amount of each pesticide used, the number of applications of each pesticide, and the total number of applications, per county, per month.
5. To report to the County Agricultural Commissioner and the California Department of Public Health, in a manner specified, any conspicuous or suspected adverse effects upon humans, domestic animals and other non-target organisms, or property from pesticide applications.
6. To require appropriate certification of its employees by the California Department of Public Health in order to verify their competence in using pesticides to control pest and vector organisms, and to maintain continuing education unit information for those employees participating in continuing education.
7. To be inspected by the County Agricultural Commissioner on a regular basis to ensure that local agency activities are in compliance with state laws and regulations relating to pesticide use.

Part II. Environmental Modification

The vector control agency named herein agrees:

To comply with requirements, as specified, of any general permit issued to the California Department of Public Health as the lead agency, pertaining to physical environmental modification to achieve pest and vector prevention.

For California Department of Public Health


Vicki Kramer, Ph.D.
Chief, Vector-Borne Disease Section

For Local Agency

Gary Goodman, General Manager
Print Name and Title


Signature

State of California—Health and Human Services Agency
California Department of Public Health



KAREN L. SMITH, MD, MPH
Director and State Health Officer



EDMUND G. BROWN JR.
Governor

January 4, 2018

TO: Agencies Signatory to the Cooperative Agreement with the California Department of Public Health

SUBJECT: COOPERATIVE AGREEMENT WITH THE DEPARTMENT OF PUBLIC HEALTH

Thank you for submitting a 2018 Cooperative Agreement. The California Department of Public Health (CDPH) has reviewed and signed this Cooperative Agreement with your agency. Please note Certified Vector Control Technicians must maintain their certification by paying annual recertification dues and attending required continuing education courses in order for the Cooperative Agreement to remain valid.

The Cooperative Agreement may be canceled for cause by either party by giving 30 days advance notice in writing, setting forth the reasons for the termination.

If you should require additional information or clarification, please contact your VBDS regional office or the Sacramento headquarters at (916) 552-9730.

Michael Niemela, M.S.
Senior Public Health Biologist
Vector-Borne Disease Section

Enclosure

Sacramento-Yolo Mosquito and Vector Control District

September 18, 2018 Board Meeting

3. 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 season is beginning to slow and our abundance and virus activity are lessening with the continued cooler weather. The District continues to follow the Mosquito Borne Disease Management Plan with enhanced surveillance and control efforts in response to positive dead birds or positive mosquito collections.

The District was approached about installing a cell tower on the property. We have met with the company and our attorney is currently looking over the contract.

We are getting closer to the sale of the Madison property to the Madison Fire Department. The paperwork is at the County Counsel's office and the process should be done in the next few months.

We will be scheduling legislative visits to local offices in October and November to revisit issues and keep a presence in their minds about vector control. We have been very busy on the NPDES language in Congress as it makes its way through the Farm Bill conference.

Staff is putting together their abstracts for the AMCA and MVCAC meetings as we've been very busy this year with special projects.

The District Audit took place last week and we will schedule their report for later in the year.

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)**

LABORATORY

Monthly Report for September 2018 Board Meeting

Insectary:

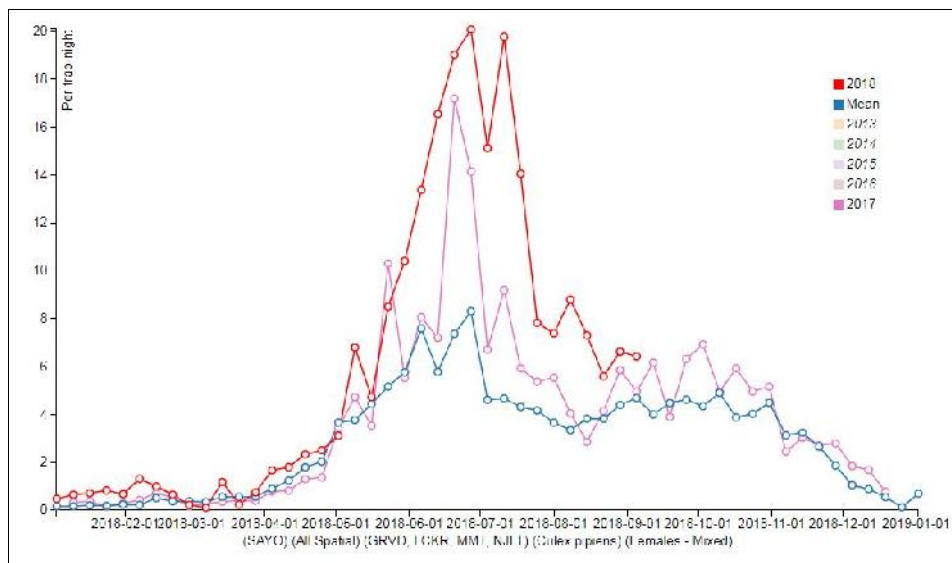
Colonies maintained: *Culex tarsalis* Bakersfield from CDC (susceptible)
Culex tarsalis Kern National Wildlife (susceptible)
Culex quinquefasciatus Cq1 (susceptible)
Culex pipiens Woodland (resistant)
Culisita incidens wild – Sacramento County
Aedes sierrensis wild – currently in egg form only

Traps have been utilized at a variety of locations to collect mosquitoes for use in field studies and lab bioassays. These mosquitoes are brought to the laboratory and sorted by species and sex for their use as needed.

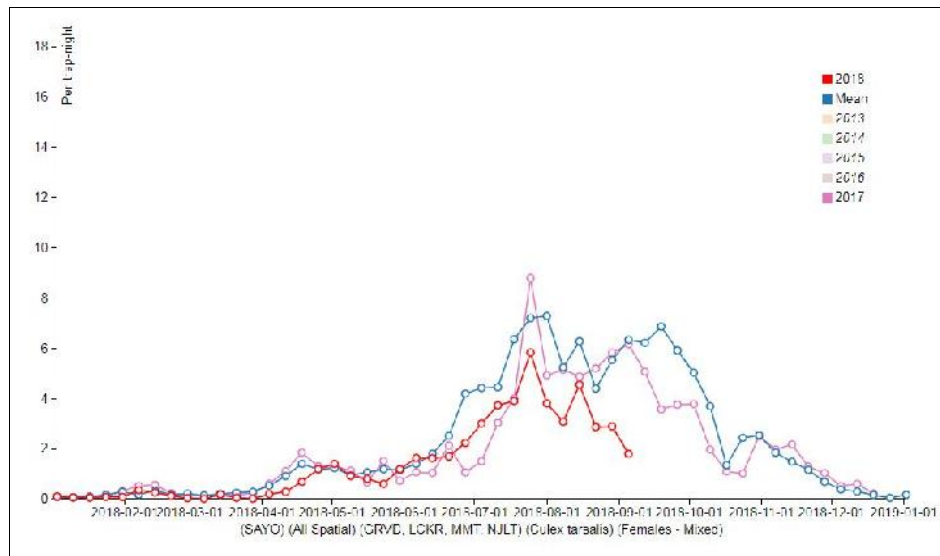
Surveillance:

- **Weekly collections** – New Jersey Light traps (NJLTs), Mosquito Magnet traps (MMTs), Locker CO₂ Traps (LCKRs) and Gravid traps (GTs) results are presented in the graphs below. *Cx pipiens* trap counts continue to be above both the 5 yr average and last year's levels. *Cx tarsalis* trap counts continue to be below the 5 yr average and last year's levels in the weekly abundance traps. Both populations are also now exhibiting decreasing populations as we head into the fall.

Culex pipiens on abundance traps (NJLT, MMT, LCKR, GT):

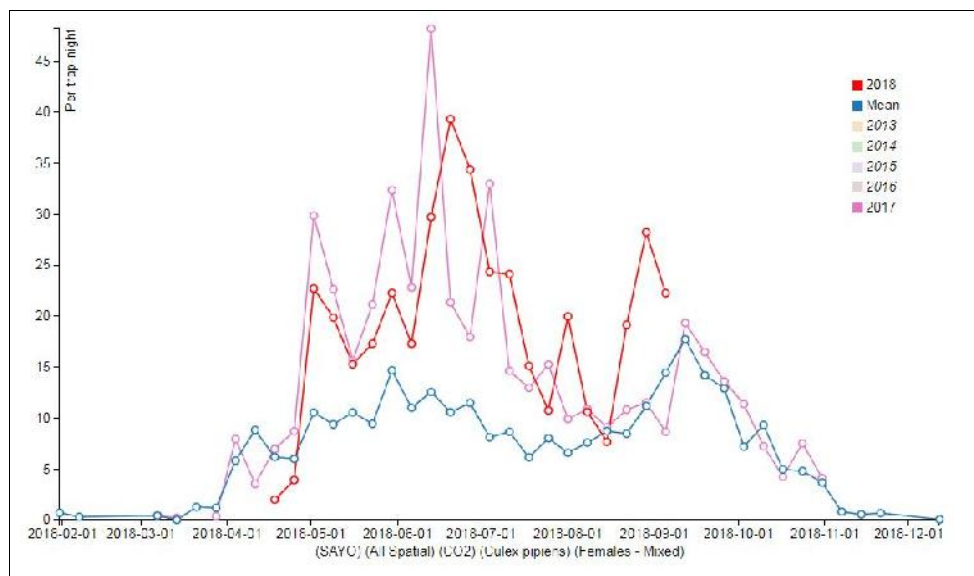


Culex tarsalis on abundance traps (NJLT, MMT, LCKR, GT):

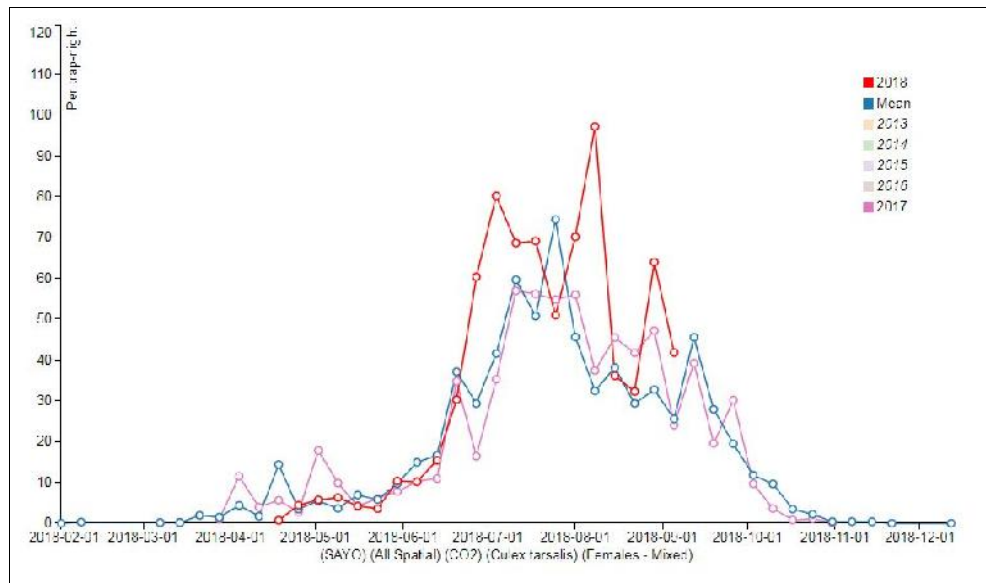


- Encephalitis virus surveillance (EVS) – Mosquito Testing** – As of September 7th, we have tested 5,652 pools (samples) of mosquitoes for WNV/SLE/WEE. We have found 360 pools to be positive for WNV. 85 pools have been from Yolo County and 275 pools from Sacramento County.

Culex pipiens on CO₂ traps:



Culex tarsalis on CO₂ traps: Note that although the current year has seen abundances higher than the 5 year average and last year recently, the trend is downward as to be expected for the end of the season.



Encephalitis virus surveillance (EVS) – Dead birds – As of September 7th, we have sampled and tested 595 dead birds this season and have found 265 of them to be positive for West Nile virus. Traps are set in the vicinity of the positive dead birds and any *Cx pipiens* or *Cx tarsalis* mosquitoes are then pooled and tested.

Encephalitis virus surveillance (EVS) – Sentinel chickens – We are continuing to sample our five sentinel chicken flocks biweekly. As of September 7th, we have found 8 positive chicken samples among 3 flocks. The positive locations and numbers of positive chickens are: 3 chickens from Dunnigan, 4 chickens from Gibson Ranch and 1 chicken from Knights Landing. These tested positive for exposure to a flavivirus (either WNV or SLE) and samples were sent to CDPH for confirmation, two have confirmed positive for WNV, the remaining confirmation samples have not been tested yet by CDPH. The chickens in the flocks located in Rancho Murieta and Isleton are still negative.

Exotic/Invasive Species Surveillance – We have currently trapped at 186 distinct locations throughout the District. We are continuing to utilize, AGO, Ovicups and/or BG Sentinel traps. We have not yet detected the presence of any exotic or invasive species in our traps.

BG Counter Traps – We have 8 BG Counter traps currently deployed. Five in the rice field habitats for use as our rice adult surveillance traps and two in south Sacramento County locations and one in a north Sacramento County location. We are evaluating the flight activity information obtained from the traps to assist in timing our adulticide applications.

Mosquito Resistance Testing – We have been focused over the last month on *Cx tarsalis* populations. We have performed a number of bottle bioassays as well as field sentinel cage trials and are processing the data generated. We have saved adults from the majority of these tests for future microplate testing and kdr testing later of resistance mechanisms.

Non-WNV Disease Response Surveillance – We have responded to one notification of non-WNV disease cases this month, an imported, non-locally acquired dengue case. Invasive traps were set near the location and no indication of invasive mosquitoes was found.

District Studies –

Suspend Polyzone study – We have concluded the work we did at the parks this season and are investigating the response of wild mosquitoes to newly treated leaves here at the District. We are beginning to analyze the data we obtained this season.

Collaborations –

Rice Residue study – We are currently in the midst of this study. We continue to periodically collect rice plant samples and then send the samples to Dr. Gan's lab at UC Riverside for analysis. We are preparing to collect rice grains this month as the final collection for this study for this season.

WDG WALs study – We have completed the three planned phases of this study, and are in the process of conducting a fourth phase. We are duplicating the Orangevale study in the Elk Grove area to evaluate this larviciding technique in a different weather scenario from the conditions observed in Orangevale.

kdr in *Cx tarsalis* – We are continuing our collaboration with Dr. Tara Thiemann of UOP, and her Center of Excellence grant for evaluation of the kdr mutation in *Cx tarsalis* populations.

BioGents REMOSIS Project – We were updated by BioGents that the newest version of this trap will not be available until next season.

Additional Projects – We have completed the Merus 3.0 and DeltaGard trials this season. We are providing data to Clarke for their Merus 3.0 documentation. For the DeltaGard trial, we will be processing our data and it will be presented at the MVCAC annual meeting in 2019.

California Arbovirus Surveillance Bulletin #23 Week 36 Friday, September 7, 2018

2017 & 2018 YTD West Nile Virus Comparisons		
	2017	2018
Total # Dead Bird Reports	5,853	6,278
# Positive Counties	40	37
# Human Cases	108	56
# Positive Dead Birds / # Tested	298 / 1,496	422 / 1,664
# Positive Mosquito Pools / # Tested	2,828 / 33,559	1,606 / 31,972
# Seroconversions / # Tested	189 / 8,362	104 / 7,217

YTD WNV Activity by Element and County, 2018					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			14	11	
Amador	1				
Butte	6		3	44	32
Colusa					2
Contra Costa	1		11	15	13
El Dorado			2		
Fresno	3			101	
Glenn	2			4	
Humboldt			1		
Imperial				1	
Kern	3	1		38	
Kings				19	
Lake				4	1
Los Angeles	12		8	32	7
Madera				41	
Merced	1	1		8	14
Orange	1		5	40	
Placer		1	39	223	3
Riverside	6		5	34	
Sacramento	1	2	229	275	
San Benito					1
San Bernardino	1			9	
San Diego				3	
San Joaquin	4		11	418	
San Mateo			5	2	
Santa Clara			43	4	5
Santa Cruz			2		
Shasta	1	1	3	7	3
Solano				2	
Stanislaus	6	1	1	93	
Sutter			4	28	19
Tehama	1				
Tulare	1			57	
Tuolumne	1				
Ventura	1				
Yolo	2		36	85	2
Yuba	1			8	2
Totals	56	7	422	1,606	104

ECOLOGICAL MANAGEMENT DEPARTMENT
Monthly Report for the September 2018 Board Meeting

Wetland Program

Staff met with five duck club properties in conjunction with the Yolo Wildlife Area management to coordinate water deliveries and fall flood up for the 2018 hunting season. Staff is also coordinating early treatments on the Wildlife Area utilizing UAS treatment options.

Staff is working with the Knaggs Ranch to coordinate shorebird habitat located in the southern Yolo Bypass. The project consists of shallow flooding for four weeks over finely disked, non-vegetated fallow rice fields. This is a similar plan as last year, which did not require large scale treatments.

CA Dept. of Water Resources (DWR), Sherman Island: Staff met with approximately thirty residents and property owners on Sherman Island in conjunction with DWR and Ducks Unlimited to discuss the planned one thousand acre wetland located on the southern end of the island. Staff answered questions about how the previous three similar wetlands have performed on Sherman and Twitchell Islands and the mosquito control benefits compared to the current irrigated pastures that the wetland will be replacing.

Agricultural Program

Staff met with the Conaway Ranch Farm Manager to develop a fall flooding flood up schedule and BMP plan. They agreed to disk half of the re-flooded wild rice acreage prior to flooding.

Storm Water / Drainages Program

City of Elk Grove: The City hired Arrow Construction to remove beaver dams by hand within Laguna Creek. The City has also agreed to discuss long term management of the Elk Grove and Laguna Creek corridors to assist the District with limiting the footprint of standing water and control standing vegetation.

County of Sacramento, Elder Creek: County Department of Water Resources is working with the District to alleviate beaver problems in the upper reaches of Elder Creek. Department and County staff have pulled apart multiple dams that have caused widespread flooding with the potential for mosquito breeding in the dry grassy areas. The County was able to get their backhoe into the creek and remove the debris and dams. Staff will continue to monitor and re-install any excluder pipes to finish the season for this year.

Pool Program

Staff received and executed two warrants at the end of August. Both City of Elk Grove Police and Code Enforcement Departments were extremely helpful in executing one warrant within Elk Grove. The City of Citrus Heights Code Enforcement was also very helpful with executing the second warrant.

UAS Program

The Ecological Management Department participated in the CSDA tour of the District that was held in late August. Staff demonstrated the UAS program including a brief overview of the mapping and data gathering capabilities as well as performing a short spray demonstration with the District's spray drone.

Marty Scholl participated in the InterDrone conference held in Las Vegas at the beginning of September by speaking on two separate drone user panels alongside industry representatives.



Sherman Island



CSDA Tour
Drone Display

BIOLOGICAL CONTROL
Monthly Report for September 2018 Board Meeting

In the month of August the Fisheries Department finished rice field fish applications for the year and we will continue to focus on providing clean and healthy fish to meet the District's needs. Our fall focus has shifted from fish plants to restocking the District's netted ponds and rehabbing ponds that are scheduled to be cleaned. This process includes collecting any remaining fish, draining water out of the ponds, restacking rock and then cleaning debris off the bottom of the pond (see pictures). The Fisheries Department also continues to conduct maintenance around the facility including mowing, herbiciding and pond conservation.

102.7 pounds of fish were used in the month of August with a running total for the year at over 2000 lbs. Daily activities such as water quality testing, medical treatments and tank cleaning were also performed to maintain high quality fish.

Log of Treatment Applied

<u>Material</u>	<u>AMT</u>	<u>Area Treated</u>	<u>Applic Rate</u>	<u>Treatments</u>
Mosquitofish	102.7 lb	373.6 Acres	.27+ lb/acre	261
Guppies	.05 lb	87 Sqft	.1~ lb/acre	1

Fish Plants by Crew

Fisheries-59 lbs, North Sac-26.3 lbs, South Sac-9.4 lbs, Yolo-8 lbs,

Fisheries Budget

<u>Total</u>	<u>Spent</u>	<u>Remaining</u>	<u>% Spent</u>
24,990.00	5,026.42	19,963.58	20%

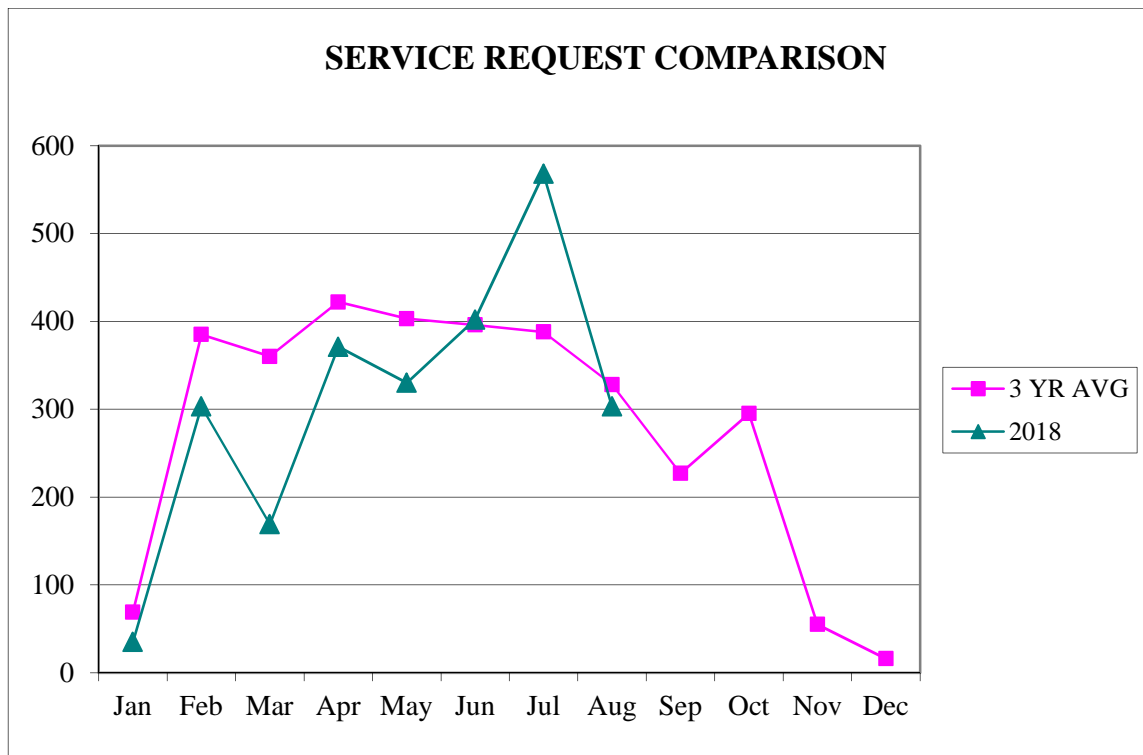
The picture on the left shows an example of how much debris builds up at the bottom of a pond. A tractor is used to clean the ponds and the debris is piled up and hauled out. On the right is an example of a cleaned pond being refilled and prepped for fish. The pond bottoms are cleaned, rocks stacked, fertilizer added and refilled. A total of four ponds are scheduled to be cleaned this year.



CONTROL OPERATIONS

Monthly Report for September 2018 Board Meeting

Field technicians are responding to positive mosquito samples in their zones, performing service requests and conducting larval source inspections and treatments. West Nile virus activity increased in the first weeks of August. Both aerial and ground response combined with cooler night time temperatures helped decrease the positive pools towards the end of the month. The rice habitat is now in the final stages of the season with some conventional rice fields beginning to drain and the wild rice being harvested. We are anticipating an increase in service requests in close proximity to rice fields because as the fields are drained, the adult mosquitoes migrate out of the fields and into the surrounding areas. Wetland and duck habitat flooding preparations are being made and some duck pond flooding and treatments have begun. The catch basin crew is continuing with routine treating of catch basins in addition to monitoring the new Sumilarv™ product in trial basins. WALs trials using Vectobac WDG are still ongoing with additional treatment locations in Elk Grove and the Pocket area being assessed. Service requests for yellowjackets began to rise in August, field crews are responding and treating as needed.



Larvicide Applications thru August 31st

<u>Locations/Roles</u>	<u>2018</u>		<u>2017</u>	
	<u>Treatments</u>	<u>Acres</u>	<u>Treatments</u>	<u>Acres</u>
Sacramento County	6,135	5,844	5,151	4,252
Sac County Aerial	19 Orders, 287 sources	25,510	17 orders, 166 sources	5,703
Yolo County	1,999	12,655	1,244	3,615
Yolo County Aerial	55 Orders, 996 Sources	102,165	50 orders, 689 sources	70,887
CB Treated	156,921	--	138,593	--
CB Inspected -not treated	97,073	--	134,043	--

Aerial Adulticide Summary thru August 31st

<u>County</u>	<u>2018</u>		<u>2017</u>	
	<u># Applications</u>	<u>Acres</u>	<u># Applications</u>	<u>Acres</u>
Sacramento Ag	17	76,928	11	36,531
Sacramento Urban	6	83,286	0	0
Yolo Ag	61	412,924	67	448,531
Yolo Urban	0	0	0	0
Totals		573,138		485,062

VDCI Summary through August 31st, 2018

compared to: 2017

Contract Acres (our portion) =	530,000	530,000
Acres used =	573,138	485,062
Acres remaining =	(43,138)	44,938
% Acres used =	108%	92%
% Acres remaining =	0.0%	8.5 %

San Joaquin County MVCD has used 178,310 acres of their 190,000 acre contract commitment.
 Placer MVCD has used 88,585 acres of their 100,000 acre commitment.
 Turlock MAD has used 140,614 acres of their 180,000 acre commitment.

PUBLIC INFORMATION AND EDUCATION
Monthly Report for September 2018 Board Meeting

Advertising:

The paid advertising campaign will wrap up at the end of the month. The last big push for advertising messages was on the radio during the Labor Day holiday and the main message being disseminated was the use of repellent while spending time doing any outdoor activities.

Events:

The month of September is an extremely busy month with community outreach events. By the time the month comes to an end we will have attended a total of 10 events include Farm to Fork which is one of the biggest and most successful events that we participate in throughout the season. This very popular event takes place in downtown Sacramento and draws thousands of attendee's. It is a great event because we're able to reach out to a wide and very ethnically diverse audience. An event that we have already been to in September is the Office of Emergency Services Preparedness day. This event is held in Old Sacramento and many emergency response agencies come together. Our booth was very well received and attendee's had many questions about the intensity of West Nile virus this year as well as our aerial spraying. Other events where we will have a presence include Independence Day at the capitol which attracts more than 5,000 people. This popular event takes place in the evening, so the repellent packets are very much appreciated and useful. Other events where we will have our booth include a DMV Health and Safety Fair, Sunday Funday, Costco Employee Wellness Fair and Social Services Health Fair and Lottery Wellness Fair. This year for the first time we will also participate in the Winters Community Festival.

District Tour:

As part of the California Special District's Association legislative tour, our District was selected as one to be showcased. Staff members from a variety of legislative elected officials were part of the tour that included a presentation with a brief overview of the importance of mosquito control. Afterwards, each department had the opportunity to talk about their program and provide attendees with a comprehensive understanding of how mosquito control is conducted. Staff did an amazing job explaining the work they do and providing a hands on experience for everyone. Feedback from CSDA and attendee's was great and they all indicated that after the tour they had a deeper and more comprehensive understanding of mosquitoes and tools being utilized to control them in order to protect residents from disease.

Presentations

Two presentations have been scheduled for staff at the California Department of Corrections. In addition, teacher requests have started coming in for classroom presentations and Fight the Bite assemblies that will take place in the fall.

Repellent and Materials Distribution:

We continue to receive requests for materials and repellent from neighborhood associations and city elected officials that are holding outdoor evening events.

