

DELTA MOSQUITO & VECTOR
CONTROL DISTRICT

Dr. Mustapha Debboun
General Manager

Hector Cardenas
Operations Program Manager

Sheri D. Davis
Administrative Assistant

Javier Valdivias
Biologist

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www.deltavcd.com

Mir Bear-Johnson
Assistant Manager

Crystal Grippin
Scientific Program Manager

Andrea Troupin
Biologist

Mark Nakata
Biologist

DATE: Friday, July 9, 2021

TO: Board of Trustees, Delta Vector Control District

FROM: Dr. Mustapha Debboun, General Manager

SUBJECT: Regular Meeting of the District's Board of Trustees

TIME: Wednesday, July 14, 2021 at 4:30 p.m.

PLACE: District Boardroom, 1737 West Houston Avenue, Visalia
Teleconference Dial in Number: 1-978-990-5000 access code 575024

AGENDA:

1. Roll Call

2. Employee Introduction

The General Manager will introduce Mr. Rick Alvarez, Vector Control Supervisor to the Board of Trustees.

3. District Transparency Certificate of Excellence

California Special Districts Association (CSDA) representative, Cole Karr will present the Special District Transparency Certificate of Excellence to the General Manager and the Board of Trustees.

ACTION

4. Consent Calendar

- a. June Minutes
- b. June Bills (Board Order #32)
- c. June Payroll (Board Order #33)
- d. July Bills (Board Order #1 & #3)
- e. July Payroll (Board Order #2)

5. Public Forum

Members of the public may address the Board.

6. Staff Report

The General Manager will report on items of operational interest.

7. Enterprise Fleet Management

The General Manager will provide an update from Enterprise Fleet Management.

8. Benefit Assessment

The General Manager will give an update on the Benefit Assessment for the invasive Yellow fever mosquito, *Aedes aegypti*.

9. Surveillance Report

The Assistant Manager will report on surveillance information for the state, region, and local community.

ACTION

10. Policies

The Assistant Manager will provide the updated Holiday Policy 3004 for approval.

11. Closed Session Case Review/Planning

Section 54956.9 of Division 3.6 of Title 1 of the Government Code.

ACTION

12. Adjournment

Adjourn meeting of the Board of Trustees to reconvene on Wednesday, August 11, 2021 at 4:30 p.m. in the Delta Mosquito and Vector Control District Boardroom, 1737 W. Houston Ave., Visalia, CA.

Note: Items designated for information are appropriate for Board action if the Board wishes to take action.

1. Roll Call

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4. Consent Calendar

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Minutes of the Board of Trustees – Wednesday, June 9, 2021

1. Roll Call:

Present: Greg Gomez, President; Belen Gomez, Secretary, Michael Cavanagh, Larry Roberts, Linda Gutierrez, Rosemary Hellwig, and Kevin Caskey.

Staff: Dr. Mustapha Debboun, General Manager; Mir Bear-Johnson, Assistant Manager; Sheri Davis, Administrative Assistant, Paul Harlien, Foreman.

2. New Employee Introduction:

General Manager, Dr. Mustapha Debboun introduced Foreman Mr. Paul Harlien. Mr. Harlien gave a brief biography and was welcomed by the Board of Trustees.

3. Consent Calendar:

The Administrative Assistant provided information on the following items:

Board Order #30 – 35329 Aerial Services – Pool Survey Flight

Board Order #31 – 35406 Probolsky Research – Community Behavioral Survey

Following discussion, it was moved by Kevin Caskey, seconded by Michael Cavanagh, and the Board members unanimously approved the consent calendar as presented. Vote by roll call; all ayes.

4. Public Forum:

One member of the public, Pamela Silva of Visalia was present via teleconference who commented on agenda item number 11.

5. Staff Report:

The General Manager reported that West Nile virus was detected in Visalia this week.

Delta MVCD staff will have a booth at Visalia Rawhide baseball home games to answer questions and provide information to the public.

6. Enterprise Fleet Management:

The General Manager reported that we will be receiving 3 vehicles next week from Enterprise Fleet Management. The delivery charge has been waived, and the remaining vehicles are scheduled for delivery at the end of the year.

7. Benefit Assessment:

The General Manager provided an update on the Benefit Assessment. Approximately 80,000 ballots were mailed out on 6/4/2021. SCI Consulting Group provided material to assist with calls from the public. SCI has also scheduled a community Zoom meeting on 6/17/2021 at 6:00 p.m. to answer questions from the public.

There will be a Special Meeting on 7/21/21, which will be the last day to receive ballots. Ballot results will be presented at a Special Meeting on 7/28/2021.

8. Resolution 2021-05:

A Resolution retaining the services of the Tulare County Registrar of Voters for purposes of counting, tabulating, and canvassing the ballots from the proceedings initiated by the Board of Trustees by its Resolutions 2021-03 and 2021-04.

Following discussion, it was moved by Michael Cavanagh, seconded by Rosemary Hellwig, and the Board members unanimously approved Resolution 2021-05. Vote by roll call; all ayes.

9. Surveillance Report:

The Assistant Manager reported on surveillance information for the state, central region, and local community.

10. 2021 California Mosquito-Borne Virus Surveillance & Response Plan, and Guidance for Surveillance of and Response to Invasive Aedes Mosquitoes and Dengue, Chikungunya, and Zika in California.

The Assistant Manager informed the Board that the California Department of Public Health documents listed have been used in the past, and that these were current updated versions of those previous documents. She explained how we used these documents as guidelines to direct our mosquito surveillance and response plans and would like to have the updated versions approved by the board for adoption.

Following discussion, it was moved by Michael Cavanagh, seconded by Larry Roberts, and unanimously voted by the Board members to adopt both plans. Vote by roll call; all ayes.

11. 2021-22 Fiscal Budget

The General Manager presented the 2021-22 Fiscal Budget.

Public Comment: Pamela Silva of Visalia commented via teleconference that she opposed the COLA portion of the 2021 Fiscal Budget.

Following discussion, it was moved by Larry Roberts, seconded by Greg Gomez, and unanimously voted by the Board members to adopt the 2021-22 Fiscal Budget. Vote by roll call; all ayes.

12. Resolution 2021-06

The Salary Schedule Resolution was presented for approval.

Following discussion, it was moved by Michael Cavanagh, seconded by Belen Gomez, and unanimously voted by the Board members to adopt the 2021-06 Salary Schedule. Vote by roll call; all ayes.

13. Policies

The Assistant Manager presented the following policies:

- 1063 Code of Ethics
- 1064 Ethics Training

Following discussion, it was moved by Rosemary Hellwig, seconded by Linda Guttierrez, and unanimously voted by the Board members to adopt both policies. Vote by roll call; all ayes.

14. Adjournment:

It was moved by Michael Cavanagh, seconded by Greg Gomez, and unanimously approved to adjourn the meeting of the District Board of Trustees. The meeting was adjourned at 5:00 p.m.

Dr. Mustapha Debboun, Recording Secretary

CLAIM #	PAYEE	DESCRIPTION	Budget Line Item	AMOUNT
35412	JORGE LOPEZ	Vector Control Tech II		1,924.01
35413	ALEXANDER WARD	Vector Control Tech II		1,533.76
35414	ADRIAN SIFUENTES	Vector Control Tech II		1,672.43
35415	ALEJANDRA GILL	Lab Tech I		1,058.65
35416	JAYSON CABRAL	Lab Tech I		850.47
35417	SABRINA GALBAN	Lab Tech I		799.73
35418	LUIS GONZALEZ	Lab Tech I		849.04
35419	MADISON LAWTON	Lab Tech I		329.81
35420	PATRICIA BIENIEMY	Lab Tech I		1,031.93
35421	CHRISTIAN COTTO	Lab Tech I		868.93
35422	RILEY UNRAU	Lab Tech I		914.00
35423	THOMAS HOWARD	Vector Control Tech I		764.82
35424	LORRAINE GONZALEZ	Vector Control Tech I		762.31
35425	AYLSIA INGRIM	Vector Control Tech I		908.74
35426	JACKIE JACKSON	Vector Control Tech I		675.77
35427	PAUL RAPER	Vector Control Tech I		862.18
35428	KORY WILSON	Vector Control Tech I		887.76
35429	ROSEMARIE ANTUNA	Vector Control Tech I		966.29
35430	AARON WINSTON	Vector Control Tech I		561.15
35431	DELTA VECTOR CONTROL DIST - EFTPS	Social Security/ Medicare/ Federal Income Tax		4,193.26
35432	DELTA VECTOR CONTROL DIST - EFTPS	State Income Tax		210.93
35433	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Retirement		929.04
		TOTAL PAYROLL		\$23,555.01
35434	AT&T	Long Distance/Tollfree	Telephone/Cell Phones	53.31
35435	CALIF WATER SERVICE	Utilities	Utilities	87.90
35436	EMD NETWORKING SERVICES	Maint Contract	Maint Contract	2,735.41
35437	JENSEN & PILEGARD	Hedger	Bldg/Yard Maint	542.49
35438	LINXUP	GPS	GPS	659.67
35439	LOWE'S	Air Freshener	Bldg/Yard Maint	3.08
35440	LOZANO SMITH	Review Engineer's Report	Professional Services	312.11
35441	OFFICE DEPOT	Copy Paper	Office Supplies	75.09
35442	PARKER & PARKER PLUMBING	Video Inspection of Damaged Line	Bldg/Yard Maint	342.50
35443	SBC	Office Phone/Fax	Telephone/Cell Phones	199.15
35444	SMART & FINAL			291.75
		Sugar	Lab Supplies	142.95
		Breakroom Supplies	Bldg/Yard Maint	28.17
		Gatorade	Safety Supplies	120.63
35445	SO CAL GAS COMPANY	Utilities	Utilities	32.90
35446	US BANK			3,079.34
		AMCA - Job Ad for Comm Ed & Outreach Coordinator	Public Relations	50.00
		Google Suites	Subscriptions	132.00
		3M Credit - Respirator Evals	Professional Services	145.00
		Dreamhost	Subscriptions	6.00
		Elegant Themes - Website License (lifetime)	Public Relations	249.00
		Zoho Social	Public Relations	300.00
		Houston Feed - Rabbit Feed for Traps	Lab Supplies	18.00
		Hemostat Labs - Bovine Blood for Insectary	Lab Supplies	90.51
		Indeed - Job Ads	Public Relations	447.97
		Amazon - Rubber Boots	Safety Supplies	47.19
		Toyota - Battery for Camry	Auto Supplies	378.60
		Spray Smarter - Spray Hose	Sprayer Supplies	103.89
		Kaiser Willys Auto - Clutch Pilot Bushing - Jeep	Auto Supplies	14.41
		Hyatt Resort Squaw Creek - GM Summit	Travel	434.08
		Willys America - Shaft, Gear, Main Cluster, Gasgets, Rings	Auto Supplies	625.25
		Pita Kabob - Lunch w/ Greg	Travel	37.44
35447	VALLEY INDUSTRIAL MED GROUP	Pre-Employment Exam	Professional Services	125.00
35448	VALLEY PACIFIC PETROLEUM	Gasoline	Gasoline	4,025.75
35449	WALMART	Mosquito Repellent for Techs	Safety Supplies	106.87
		TOTAL BILLS		\$12,672.32
		TOTAL BOARD ORDER #32		\$36,227.33

VOUCHER	PAYEE	DESCRIPTION	Budget Line Item	AMOUNT
35455	ARCHIVE SOCIAL	Annual Social Media Archiving Subscription	Subscriptions	2,988.00
35456	KRONKE ENTERPRISES	Jeep Wrangler	Capital - Vehicles	14,000.00
		<i>Total Bills</i>		<i>\$16,988.00</i>
		<i>TOTAL BOARD ORDER #1</i>		<i>\$16,988.00</i>

July 2021 Payroll

Board Order No. 2
Consent Calendar Exhibit V

VOUCHER	PAYEE	DESCRIPTION	Budget Line Item	AMOUNT
35457	MUSTAPHA DEBBOUN	MANAGER		7,754.43
35458	MIR BEAR-JOHNSON	ASSISTANT MANAGER		4,785.23
35459	CRYSTAL GRIPPIN	SCIENTIFIC PROGRAM MANAGER		4,816.20
35460	HECTOR CARDENAS	OPERATIONS PROGRAM MANAGER		5,270.54
35461	MARK NAKATA	BIOLOGIST		5,354.14
35462	JAVIER VALDIVIAS	BIOLOGIST		4,599.01
35463	ANDREA TROUPIN	BIOLOGIST		4,787.09
35464	SHERI DAVIS	ADMINISTRATIVE ASSISTANT		5,536.98
35465	MARY ELLEN GOMEZ	ADMINISTRATIVE ANALYST		4,196.74
35466	PAUL HARLIEN	FOREMAN		5,157.76
35467	RICK ALVAREZ	VECTOR CONTROL SUPERVISOR		5,349.04
35468	BRYAN RUIZ	VECTOR CONTROL TECHNICIAN III		4,391.69
35469	BRYAN FERGUSON	VECTOR CONTROL TECHNICIAN III/MECHANIC		4,530.00
35470	BRYAN FERGUSON	OVERTIME		88.91
35471	MARIO SANCHEZ	VECTOR CONTROL TECHNICIAN III/MECHANIC		3,839.16
35472	BELEN GOMEZ	TRUSTEE PAYROLL - QUARTERLY		277.05
35473	MICHAEL CAVANAGH	TRUSTEE PAYROLL - QUARTERLY		277.05
35474	LARRY ROBERTS	TRUSTEE PAYROLL - QUARTERLY		184.70
35475	ROSEMARY HELLWIG	TRUSTEE PAYROLL - QUARTERLY		277.05
35476	KEVIN CASKEY	TRUSTEE PAYROLL - QUARTERLY		277.05
35477	GREG GOMEZ	TRUSTEE PAYROLL - QUARTERLY		277.05
35478	LINDA GUTTIERREZ	TRUSTEE PAYROLL - QUARTERLY		277.05
		<i>Sub-Total Full-Time Payroll</i>		\$72,303.92
35479	VSP	Vision Plan Premium for July 2021		434.60
35480	DELTA DENTAL PLAN	Dental Plan Premium for July 2021		1,240.45
35481	LINCOLN FINANCIAL GROUP	Life/STD & LTD Insurance for July 2021		1,124.09
35482	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Health Insurance Premium for July 2021		19,607.85
35483	DELTA VECTOR CONTROL DIST - EFTPS	Social Security/ Medicare/ Federal Income Tax	Employee 71% - District 29%	30,435.76
35484	DELTA VECTOR CONTROL DIST - EFTPS	Quarterly UI		6,027.78
35485	DELTA VECTOR CONTROL DIST - EFTPS	State Income Tax	Employee 100%	4,937.09
35486	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Retirement	Employee 40% - District 60%	18,445.77
35487	CalPERS - UAL For PEPRA Members	Annual Lump Sum Prepayment - PEPRA		1,945.00
35488	CalPERS - UAL For Classic Members	Annual Lump Sum Prepayment - Classic		158,072.00
35489	DELTA VECT CONT DIST	Flex Benefit Plan	Employee 100%	1,022.63
35490	ICMA RETIREMENT TRUST	Deferred Retirement Trust	Employee 77% - District 23%	1,172.80
		<i>Sub-Total for Payroll Taxes & Benefits</i>		\$244,465.82
		<i>Total Regular Payroll & Benefits</i>		\$316,769.74
35491	JORGE LOPEZ	Vector Control Tech II		1,970.20
35492	ADRIAN SIFUENTES	Vector Control Tech II		1,712.93
35493	ALEX WARD	Vector Control Tech II		1,571.89
35494	ALEJANDRA GILL	Lab Tech I		1,058.65
35495	MADISON LAWTON	Lab Tech I		681.92
35496	LUIS GONZALEZ	Lab Tech I		829.38
35497	JAYSON CABRAL	Lab Tech I		950.02
35498	SABRINA GALBAN	Lab Tech I		797.65
35499	PATRICIA BIENIEMY	Lab Tech I		930.39
35500	RILEY UNRAU	Lab Tech I		913.99
35501	CHRISTIAN COTTO	Vector Control Tech I		874.50
35502	THOMAS HOWARD	Vector Control Tech I		814.84
35503	LORRAINE GONZALEZ	Vector Control Tech I		758.92

July 2021 Payroll

Board Order No. 2
Consent Calendar Exhibit V

35504	AYLSIA INGRIM	Vector Control Tech I			899.92
35505	JACKIE JACKSON	Vector Control Tech I			498.14
35506	PAUL RAPER	Vector Control Tech I			1,046.71
35507	KORY WILSON	Vector Control Tech I			1,037.90
35508	ROSEMARIE ANTUNA	Vector Control Tech I			853.20
35509	AARON WINSTON	Vector Control Tech I			851.18
35510	DELTA VECTOR CONTROL DIST - EFTPS	Social Security/ Medicare/ Federal Income Tax			4,481.90
35511	DELTA VECTOR CONTROL DIST - EFTPS	State Income Tax			245.23
35512	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Retirement			954.28
				<i>Sub-Total for Seasonal Payroll & Taxes</i>	\$24,733.74
				<i>Total All Payroll and Benefits</i>	\$341,503.48
35513	ADMINISTRATIVE SOLUTIONS INC	Flexible Benefit Plan Admin Fee		Professional Services	91.00
35514	AMCA	Dues - 4 Employees		Dues	620.00
35515	AMERICAN INC	Lab AC Unit Repairs		Bldg/Yard Maint	967.00
35516	AUTOZONE	Signal Light, Gear Oil, Shift Lever, Fan Clutch, Bushings		Auto Supplies	206.21
35517	AWARDS & SIGNS UNLIMITED	Truck Decals		Auto Supplies	412.30
35518	CITY OF VISALIA	Solid Waste Disposal		Utilities	126.85
35519	COMCAST BUSINESS	Internet		Telephone/Cell Phones	210.73
35520	FRESNO OXYGEN	Dry Ice		Lab Supplies	297.64
35521	GIOTTO'S	Annual Monitoring Fee 2021/22		Maint Contract	648.00
35522	KAST & COMPANY	Good Life Publication July/August		Public Relations	475.00
35523	KEY EVIDENCE	Keys		Operational Supplies	41.50
35524	LOWES				206.88
		Cabinet Lock, Door Auto Close	28.00	Bldg/Yard Supplies	
		PVC, Buckets & Lids, Ball Valves, Epoxy, T's & Elbows, etc.	178.88	Fish Supplies	
35525	MISSION LINEN				1,501.43
		Uniforms	1,303.90	Clothing	
		Janitorial	197.53	Janitorial	
35526	NAPA AUTO PARTS				1,909.23
		Portacool for Auto Shop	2,148.29	Capital - Shop	
		Credit for Compressor	-239.06	Auto Supplies	
35527	PACIFIC WEST CONTROLS	Monthly Service Contract		Maint Contracts	250.00
35528	SMART & FINAL				262.97
		Cleaning Supplies, Paper Products	138.96	Bldg/Yard Supplies	
		Gatorade	124.01	Safety Supplies	
35529	SO CALIF EDISON	Utilities		Utilities	3,976.94
35530	U LINE	Whirl-Pak Bags		Lab Supplies	333.61
35531	VALLEY INDUSTRIAL MEDICAL	Pre-Employment Exams		Professional Services	125.00
35532	VALLEY PACIFIC PETROLEUM	Gasoline		Gasoline	4,287.43
35533	VCJPA				162,307.00
		Workers' Compensation Annual 2021/22	84,408.00	Workers' Comp	
		Property & Liability Annual 2021/22	77,899.00	Liability Insurance	
35534	WEST COAST BIO-TECH	Bio-Hazard Waste Disposal		Lab Supplies	135.00
				<i>Total Bills</i>	\$179,391.72
				TOTAL BOARD ORDER #2	\$520,895.20

CLAIM #	PAYEE	DESCRIPTION	Budget Line Item	AMOUNT
	JORGE LOPEZ	Vector Control Tech II		2,001.36
	ALEXANDER WARD	Vector Control Tech II		1,595.61
	ADRIAN SIFUENTES	Vector Control Tech II		1,739.54
	ALEJANDRA GILL	Lab Tech I		1,167.78
	JAYSON CABRAL	Lab Tech I		1,095.73
	SABRINA GALBAN	Lab Tech I		1,140.70
	LUIS GONZALEZ	Lab Tech I		1,051.65
	PATRICIA BIENIEMY	Lab Tech I		1,135.06
	CHRISTIAN COTTO	Lab Tech I		999.42
	RILEY UNRAU	Lab Tech I		1,004.68
	THOMAS HOWARD	Vector Control Tech I		999.43
	LORRAINE GONZALEZ	Vector Control Tech I		1,061.60
	AYLSIA INGRIM	Vector Control Tech I		999.44
	JACKIE JACKSON	Vector Control Tech I		1,041.49
	PAUL RAPER	Vector Control Tech I		1,157.06
	KORY WILSON	Vector Control Tech I		1,144.03
	ROSEMARIE ANTUNA	Vector Control Tech I		1,061.59
	AARON WINSTON	Vector Control Tech I		981.69
	DELTA VECTOR CONTROL DIST - EFTPS	Social Security/ Medicare/ Federal Income Tax		5,303.62
	DELTA VECTOR CONTROL DIST - EFTPS	State Income Tax		359.66
	DELTA VECTOR CONTROL DIST - EFTPS	CalPERS Retirement		971.11
		TOTAL PAYROLL		\$28,012.25
		TOTAL BOARD ORDER #3		\$28,012.25

5. Public Forum

Members of the public may address the Board.

6. Staff Report

The General Manager will report on items of operational interest.

DELTA MOSQUITO & VECTOR CONTROL DISTRICT

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REPORT OF THE MANAGER JUNE 2021

I. Water and Weather

There were several heat waves throughout the month of June. The average high temperature was 96.1°F with an average low of 66.3°F. The Delta Mosquito and Vector Control District (DMVCD) Weather Station reported 0.07 inches of rainfall. The National Oceanic and Atmospheric Administration 1981-2010 seasonal averages for high and low temperatures in June were 89.1°F and 61.6°F respectively, with average rainfall of 0.14 inches.

Water storage at Pine Flat Reservoir decreased to 286,265 acre-feet by the end of the month. By June 30, 2021, Pine Flat Reservoir's inflow had decreased to 497 cubic feet per second (CFS) and its release increased dramatically to 3,242 CFS. The Lake Kaweah Reservoir ended the month with less water than the previous month, with 53,771 acre-feet on June 30, 2021. Lake Kaweah's inflow decreased to -12 CFS and its release was increased to 574 CFS.

II. Narrative

Continuous treatment of storm drain systems continued during the month of June throughout the Districts jurisdiction. Approximately 10,702 storm drains were treated with a Methoprene product. Sites include street drains, parking lots, parks, apartment complexes, and schools.

Larviciding aerial treatment for the Kaweah River Rock Plant Continued for the month of June, with the third treatment taking place on June 23, 2021. Due to high trap counts in the area, aerial treatment locations were altered to target high breeding locations. Product rotation also occurred using a BTI/BS product. During the month of June, 238 out of the 270 aerial pools have been inspected and completed. The remaining 32 are currently in progress due to non-responding residents. Warrant letters will be sent out during the first weeks of July.

Due to West Nile Virus presence the District conducted two adult mosquito applications in the area of Visalia that lasted 3 mornings due to field conditions. The first application was a two-night event on 6/15/2021-6/16/2021 which consisted of 7 different locations in the Visalia area which roughly covered 1,449 acres. The second operation was conducted on 6/30/2021 which consisted of three different locations in the Visalia region covering 567 acres.

Hector Cardenas attended an online webinar on elevating vector control by utilizing unmanned aircraft for surveillance, mapping, and applications on 6/24/2021. The presentation was hosted by Target Specialty and presented by the CEO Bill Reynolds from LeadingEdge.

The fish hatchery produced 5,357 fry in June. A total of 792 fish were distributed through 14 technician requests and 18 homeowner requests. So far, 2,180 fish have been placed in 88 sources in 2021.

Routine mosquito surveillance continued throughout June. A total of 10,232 mosquitoes were collected across 1,030 trap nights. The District-wide average of 9.9 mosquitoes per trap night for the month of June is 69.5% lower than the previous 5-year average of 32.5 and 62.5% lower than the 2020 average of 26.4 mosquitoes per trap night. The top 3 mosquito species caught in June were *Culex quinquefasciatus* at 58.9%, followed by *Aedes aegypti* at 15.6% and *Cx. erythrothorax* at 8.2%.

Mosquito-borne disease testing for West Nile virus (WNV), St. Louis Encephalitis virus (SLEV), and Western Equine Encephalitis virus (WEEV) continued throughout June. DMVCD tested 212 mosquito samples in June with 23 positive for WNV. Additionally, 5 dead bird carcasses were tested with 4 positive for WNV. All the WNV positive mosquito samples and dead birds were collected from Visalia, south of highway 198.

DMVCD hosted two researchers from South Carolina, Melissa Nolan and Kyndall Braumuller, who trained laboratory staff in triatomine surveillance techniques. Triatomine bugs live in a variety of habitats and are capable of transmitting *Trypanosoma cruzi*, a parasite that causes Chagas disease. Additionally, some people have allergic reactions, including anaphylactic shock, to the bite of a triatomine bug.

Assistant Manager, Mir Bear-Johnson and Administrative Assistant, Sheri Davis attended the meeting of the local chapter of the California Special District Association (CSDA), on June 23, 2021.

Mir Bear-Johnson was interviewed by two different media outlets regarding mosquitoes and mosquito treatments. Both interviews aired on TV and were posted online after the fact.

General Manager, Mustapha Debboun, attended the CSDA General Manager Summit from June 27 to 29, 2021.

Throughout May, employees who were not fully vaccinated continued to complete the online screening of COVID-19 survey and take paid time off to seek test results when required. The District will continue to be proactive in keeping employees and the public safe. Staff are encouraged to be fully vaccinated and allowed to take work time to do so.

There were 182 service requests in June:

2021 Service Request Summary

2021	Fish	Inspection	Mosquito	Source	Other	Inquiries	Total
January	0	0	1	2	0	0	3
February	0	0	0	2	0	0	2
March	0	0	7	17	1	2	27

April	21	0	14	31	1	1	68
May	32	20	27	35	0	1	115
June	23	44	72	42	1	0	182
Total	75	64	121	129	3	4	397

III. Vector and Disease Surveillance

Delta MVCD Summaries

Humans: There were no human cases of an arbovirus reported by the local public health department for the month of June.

Birds: There were 5 dead birds reported to the District in June, with 4 positive for WNV. In 2021, a total of 4 dead birds were positive for WNV out of 9 dead birds tested.

Mosquitoes: There were 23 new WNV positive mosquito samples out of 212 tested in June. In 2021, a total of 23 mosquito samples were positive for WNV out of 463 tested.

State Surveillance:

Humans: No human cases have been reported across the state.

Birds: As of June 25, 2021, 22 dead birds have tested positive for WNV. So far, 26 dead birds from 4 counties have tested positive for WNV out of 737 tested in 2021.

Mosquitoes: As of June 25, 2021, 54 mosquito samples were positive for WNV. A total of 10,404 mosquito samples were tested for WNV, SLEV, and WEEV with 54 samples from 9 counties positive for WNV in 2021.

IV. Expenditures & Revenues – 2020/21

TOTAL BUDGET \$3,594,403.09

EXPENDITURES – July 1, 2020 – June 30, 2021

Salaries	\$2,372,370.25
Services & Supplies	\$669,507.38
Tax Admin Fee	\$61,380.00
Capital	\$9,765.74
Building Improvements	\$355,882.69
TOTAL EXPENDITURES	\$3,468,906.06

REVENUE RECEIVED – July 1, 2020 – June 30, 2021

July	\$1,011.30
August	\$0.00
September	\$22,679.32
October	\$4,651.34
November	\$62.67
December	\$1,551,138.77

January	\$296,201.40
February	\$2,082.40
March	\$19,522.97
April	\$861,016.79
May	\$349,396.80
June*	
TOTAL REVENUE TO DATE	\$3,107,763.76

V. Time Sheet Summary

Month	Available Work Hrs	Sick Hrs Used	Total Hrs Available for Work	Pct. Of Hrs Avail for Work
July	5,632	50.25	5,581.75	99.10
August	5,376	133.25	5,242.75	97.53
September	4,816	99.75	4,716.25	97.93
October	3,520	123.25	3,396.75	96.50
November	2,016	132.00	1,884.00	93.46
December	1,960	100.00	1,860.00	94.90
January	1,950	146.00	1,804.00	92.52
February	2,100	30.25	2,069.75	98.55
March	2,576	93.25	2,482.75	96.38
April	3,664	88.00	3,576.00	97.60
May	5,120	122.25	4,997.75	97.62
June	5,544	53.25	5,490.75	99.04

The District has a vacation policy that requires 24-hour notice in order to ensure the operational integrity of the workforce. Sick leave for doctor, dentist and/ or family medical necessity also requires advance notice- in so much as it is possible. Illness is unplanned and therefore unscheduled. Attendance records for the current year are shown in the table.

**June Revenue not available from Tulare County as of 7/9/21.*

7. Enterprise Fleet Management

The General Manager will provide an update from Enterprise Fleet Management.

8. Benefit Assessment

The General Manager will give an update on the Benefit Assessment for the invasive Yellow fever mosquito, *Aedes aegypti*.

9. Surveillance Report

California Arbovirus Surveillance Bulletin #11

Week 27 Friday, July 9, 2021



Weekly Update

Humans

One fatal human case of West Nile virus (WNV) illness was reported this week from San Luis Obispo County; this is the first WNV case reported in California in 2021. In addition, one asymptomatic WNV infection was reported this week from Kern County. At this time last year, one WNV case and one asymptomatic infection of WNV had been reported from one county.

Dead Birds

A total of 10 WNV positive dead birds were reported this week from 4 counties: Placer (1), Sacramento (8), and San Joaquin (1). **This is the first WNV positive dead bird reported from Placer County this year.** In 2021, 45 WNV positive dead birds have been reported from 6 counties. At this time last year, 23 WNV positive dead birds had been reported from 8 counties.

Mosquito Pools

A total of 62 WNV positive mosquito pools were reported this week from 10 counties: Butte (3), Fresno (28), Kern (3), Los Angeles (5), Madera (3), Placer (1), Sacramento (3), San Joaquin (8), Stanislaus (2), and Tulare (6). In 2021, 177 WNV positive mosquito pools have been reported from 13 counties. At this time last year, 135 WNV positive mosquito pools had been reported from 14 counties.

Sentinel Chickens

No seroconversions have been reported in 2021.

2020 & 2021 YTD West Nile Virus Comparisons		
	2020	2021
Total # Dead Bird Reports	2,348	2,933
# Positive Counties	16	15
# Human Cases	1	1
# Positive Dead Birds / # Tested	23 / 531	45 / 846
# Positive Mosquito Pools / # Tested	135 / 13,315	177 / 13,234
# Seroconversions / # Tested	0 / 2,193	0 / 2,309

Website Information: For updated information on WNV in California, please visit the California WNV website, www.westnile.ca.gov, or the California Vectorborne Disease Surveillance System website, www.maps.calsurv.org. For national information on WNV and other arboviruses, please visit the CDC websites: www.cdc.gov and www.cdc.gov/arbovet/maps/ADB_Diseases_Map/index.html

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YTD WNV Activity by Element and County, 2021					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Butte				6	
Contra Costa				1	
Fresno		1		49	
Kern				10	
Los Angeles			5	21	
Madera				4	
Placer			1	3	
Sacramento			29	17	
San Joaquin			4	30	
San Luis Obispo	1				
Shasta				2	
Sonoma			1		
Stanislaus				5	
Tulare			5	28	
Yolo				1	
Totals	1	1	45	177	0

California Arbovirus Surveillance Bulletin #11

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TESTING SUMMARIES

Humans

		WNV	SLEV	WEEV
Human Cases	Week	1	0	0
	YTD	1	0	0

Dead Birds

		Number Tested	WNV Positive
Dead Birds	Week	33	10
	YTD	846	45

Sentinel Chickens

		Number Tested	WNV Positive	SLEV Positive	WEEV Positive
Chicken Sera	Week	155	0	0	0
	YTD	2,309	0	0	0

Mosquitoes

		Positive / Total Tested						
Mosquito Pools		WNV	SLEV	WEEV	CHIK	DENV	ZIKA	
		Week	62 / 1,329	0 / 1,329	0 / 1,212	0 / 9	0 / 9	0 / 9
		YTD	177 / 13,234	0 / 12,176	0 / 11,375	0 / 99	0 / 99	0 / 99

NEW POSITIVES

Dead Birds

County	Agency	City	Zip Code	Species	Date Reported	Virus
Placer	Placer MVCD	Granite Bay	95746	American Crow	7/1/2021	WNV
Sacramento	Sacramento-Yolo MVCD	Carmichael	95608	California Scrub-Jay	7/2/2021	WNV
Sacramento	Sacramento-Yolo MVCD	Carmichael	95608	Yellow-billed Magpie	7/2/2021	WNV
Sacramento	Sacramento-Yolo MVCD	Galt	95632	American Crow	6/30/2021	WNV
Sacramento	Sacramento-Yolo MVCD	Galt	95632	California Scrub-Jay	7/2/2021	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95828	American Crow	6/10/2021	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95828	American Crow	7/2/2021	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95830	California Scrub-Jay	6/29/2021	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95838	Yellow-billed Magpie	7/6/2021	WNV
San Joaquin	San Joaquin Co MVCD	Manteca	95336	California Scrub-Jay	7/1/2021	WNV

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Mosquito Pools

County	Site Code	Pool #	Species	City	# in Pool	Trap Type	Collected	Virus
Butte	BUCO1539	147	Cx. tarsalis	Dayton	50	CO2	6/30/21	WNV
Butte	BUCO29	144	Cx. tarsalis	Chico	50	CO2	7/1/21	WNV
Butte	BUCO60	140	Cx. tarsalis	Gridley	50	CO2	7/1/21	WNV
Fresno	CNSL1679	180	Cx. quinquefasciatus	Clovis	50	GRVD	7/2/21	WNV
Fresno	CNSL2092	149	Unknown	Clovis	50	NA	7/7/21	WNV
Fresno	CNSL2355	161	Cx. quinquefasciatus	Sanger	50	GRVD	7/1/21	WNV
Fresno	CNSL2512	158	Cx. tarsalis	Sanger	24	CO2	7/1/21	WNV
Fresno	CNSL2533	138	Cx. quinquefasciatus	Clovis	29	GRVD	6/30/21	WNV
Fresno	CNSL2560	147	Cx. quinquefasciatus	Sanger	50	GRVD	6/30/21	WNV
Fresno	CNSL2568	160	Cx. quinquefasciatus	Sanger	50	GRVD	7/1/21	WNV
Fresno	CNSL2576	571	Cx. quinquefasciatus	Clovis	49	GRVD	6/29/21	WNV
Fresno	CNSL4126	572	Cx. tarsalis	Clovis	36	CO2	6/29/21	WNV
Fresno	CNSL8527	581	Cx. quinquefasciatus	Selma	50	GRVD	6/30/21	WNV
Fresno	CNSL9220	178	Cx. quinquefasciatus	Clovis	50	GRVD	7/2/21	WNV
Fresno	CNSL9221	179	Cx. quinquefasciatus	Clovis	50	GRVD	7/2/21	WNV
Fresno	CNSL9222	163	Cx. quinquefasciatus	Sanger	35	GRVD	7/1/21	WNV
Fresno	FRNO238	247	Cx. quinquefasciatus	Fresno	50	GRVD	6/30/21	WNV
Fresno	FRNO30043	254	Cx. quinquefasciatus	Fresno	50	GRVD	6/30/21	WNV
Fresno	FRNO36	249	Cx. quinquefasciatus	Fresno	50	GRVD	6/30/21	WNV
Fresno	FRWS2105	137	Cx. tarsalis	Firebaugh	50	CO2	7/7/21	WNV
Fresno	FRWS300005	122	Cx. tarsalis	Firebaugh	50	CO2	7/1/21	WNV
Fresno	FRWS300005	126	Cx. tarsalis	Firebaugh	50	CO2	7/1/21	WNV
Fresno	FRWS300029	130	Cx. tarsalis	Firebaugh	50	CO2	7/1/21	WNV
Fresno	FRWS300031	120	Cx. tarsalis	Dos Palos	45	CO2	7/1/21	WNV
Fresno	FRWS300031	138	Cx. tarsalis	Dos Palos	50	CO2	7/7/21	WNV
Fresno	FRWS300031	140	Cx. tarsalis	Dos Palos	39	CO2	7/7/21	WNV
Fresno	FRWS30026	127	Cx. tarsalis	Firebaugh	50	CO2	7/1/21	WNV
Fresno	FRWS30026	128	Cx. tarsalis	Firebaugh	50	CO2	7/1/21	WNV
Fresno	FRWS30026	129	Cx. tarsalis	Firebaugh	50	CO2	7/1/21	WNV
Fresno	FRWS3104	134	Cx. tarsalis	Mendota	50	CO2	7/7/21	WNV
Fresno	FRWS32	141	Cx. tarsalis	Firebaugh	50	CO2	7/7/21	WNV
Kern	KERN15	156	Cx. quinquefasciatus	Arvin	50	GRVD	6/29/21	WNV
Kern	KERN25	190	Cx. quinquefasciatus	Lamont	50	CO2	7/2/21	WNV
Kern	KERN29	175	Cx. quinquefasciatus	Bakersfield	50	CO2	7/1/21	WNV
Los Angeles	SGVA1193	537	Cx. quinquefasciatus	West Covina	44	GRVD	7/7/21	WNV
Los Angeles	SGVA15	546	Cx. quinquefasciatus	Irwindale	30	GRVD	7/7/21	WNV
Los Angeles	SGVA477	533	Cx. quinquefasciatus	Covina	32	GRVD	7/7/21	WNV
Los Angeles	SGVA64	536	Cx. quinquefasciatus	West Covina	22	GRVD	7/7/21	WNV
Los Angeles	SGVA8100	554	Cx. quinquefasciatus	Glendora	17	GRVD	7/7/21	WNV
Madera	FRWS300029	131	Cx. tarsalis	Firebaugh	50	CO2	7/7/21	WNV
Madera	FRWS300029	132	Cx. tarsalis	Firebaugh	50	CO2	7/7/21	WNV
Madera	FRWS5101	133	Cx. tarsalis	Firebaugh	50	CO2	7/7/21	WNV
Placer	PLCR389429	635	Cx. tarsalis	Lincoln	50	CO2	7/6/21	WNV
Sacramento	SAYO1216	1953	Cx. pipiens	Citrus Heights	2	GRVD	7/7/21	WNV
Sacramento	SAYO204043	1871	Cx. tarsalis	Sacramento	17	CO2	7/7/21	WNV
Sacramento	SAYO233116	1813	Cx. tarsalis	South Sacramento	3	BGSENT	7/2/21	WNV
San Joaquin	SJCM2460	708	Cx. tarsalis	Manteca	42	CO2	7/7/21	WNV
San Joaquin	SJCM2460	764	Cx. tarsalis	Stockton	23	CO2	7/9/21	WNV
San Joaquin	SJCM2478	780	Cx. pipiens	Lodi	42	CO2	7/9/21	WNV
San Joaquin	SJCM2508	768	Cx. pipiens	Lodi	21	CO2	7/9/21	WNV

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San Joaquin	SJCM432	788	Cx. tarsalis	Stockton	31	CO2	7/9/21	WNV
San Joaquin	SJCM8056	706	Cx. tarsalis	Tracy	30	CO2	7/7/21	WNV
San Joaquin	SJCM8208	776	Cx. tarsalis	Stockton	5	CO2	7/9/21	WNV
San Joaquin	SJCM8209	765	Cx. pipiens	Stockton	20	CO2	7/9/21	WNV
Stanislaus	TRLK	326	Cx. pipiens	Hughson	35	CO2	7/7/21	WNV
Stanislaus	TRLK1906	308	Cx. pipiens	Turlock	50	CO2	7/7/21	WNV
Tulare	DLTA129	489	Cx. quinquefasciatus	Visalia	41	GRVD	7/2/21	WNV
Tulare	DLTA238	498	Cx. quinquefasciatus	Visalia	15	GRVD	7/7/21	WNV
Tulare	DLTA8413	495	Cx. quinquefasciatus	Visalia	45	GRVD	7/7/21	WNV
Tulare	DLTA8424	476	Cx. quinquefasciatus	Visalia	16	GRVD	7/1/21	WNV
Tulare	DLTA8530	443	Cx. quinquefasciatus	Visalia	10	GRVD	6/29/21	WNV
Tulare	DLTA9411	473	Cx. quinquefasciatus	Visalia	10	GRVD	7/1/21	WNV

TEST PROTOCOLS

Humans:

Specimens are tested by local laboratories with an IgM or IgG immunofluorescent assay (IFA) and/or an IgM enzyme immunoassay (EIA). Specimens with inconclusive results are forwarded to the California Department of Public Health Viral and Rickettsial Disease Laboratory (VRDL) for further testing with a plaque reduction neutralization test (PRNT).

Dead Birds

Oral swab samples collected from bird carcasses are tested at the UC Davis Arbovirus Research and Training laboratory (DART) or at a local agency for West Nile virus by RT-qPCR.

Sentinel Chickens:

Dried blood spot samples from sentinel chickens are tested at the California Department of Public Health Vector-Borne Disease Laboratory for IgG antibodies to West Nile, St. Louis encephalitis, and western equine encephalomyelitis viruses by an EIA. Positive samples are confirmed by IFA, western-blot, or PRNT.

Mosquito Pools:

Mosquito pools are tested at DART or at a local agency for West Nile, western equine encephalomyelitis, and St. Louis encephalitis viral RNA using a multiplex RT-qPCR. Invasive *Aedes* mosquitoes (*Ae. aegypti* and *Ae. albopictus*) are also tested at DART for chikungunya, dengue, and Zika viral RNA by a separate RT-qPCR.

Prepared by the Vector-Borne Disease Section (Infectious Diseases Branch), California Department of Public Health, 850 Marina Bay Parkway, Richmond, CA 94804. Questions concerning this bulletin should be addressed to Tina Feiszli: Tina.Feiszli@cdph.ca.gov.

10. Policies

The Assistant Manager will provide the updated Holiday Policy 3004 for approval.

Delta Mosquito and Vector Control District

— MANUAL of POLICIES —

POLICY TITLE
Holidays

POLICY NUMBER
3004

3004.1 This policy shall apply to all employees.

3004.2 The following days shall be recognized and observed as paid holidays:

- New Year's Day;
- Martin Luther King, Jr.'s Birthday;
- President's Day;
- Memorial Day;
- Juneteenth Day;
- Independence Day;
- Labor Day;
- ~~Indigenous Peoples Day/Columbus Day;~~
- Veteran's Day;
- Thanksgiving Day;
- Friday after Thanksgiving Day;
- Afternoon of Christmas Eve Day;
- Christmas Day;
- Workweek between Christmas Day/ New Year's Day;
- Floating Holidays: Two days added to each employee's vacation balance the beginning of each year.

3004.2.1 All Federal holidays shall be recognized and observed as paid holidays, with the list above appropriately reflecting any additionally added Federal holidays.

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3004.3 All regular work shall be suspended, and employees shall receive one-day's pay for each of the holidays listed above. An employee is eligible for any paid holiday if he/she works the day before and the day after said holiday. Eligibility is also granted if the employee was on vacation or had notified the General Manager and received permission to be absent from work on that specific day or days.

3004.4 Whenever a holiday falls on Saturday, the preceding Friday shall be observed as the holiday. Whenever a holiday falls on Sunday, the following Monday shall be observed as the holiday.

3004.5 When an employee is taking an authorized leave with pay when a holiday occurs, said holiday shall not be charged against said leave with pay.

3004.6 If any employee works on any of the holidays listed above, he/she shall be paid for all hours worked at the rate specified by law.

3004.7 Temporary employees, paid on an hourly basis shall not be entitled to paid holidays.

3004.8 Part-time employees will be entitled to paid holidays occurring during period of employment.

11. Closed Session Case Review/Planning

Section 54956.9 of Division 3.6 of Title 1 of the Government Code.

12. Adjournment

Adjourn the meeting of the Board of Trustees to reconvene on Wednesday, August 11, 2021 at 4:30 p.m. in the Delta Vector Control District Boardroom, 1737 W. Houston Ave., Visalia, CA.