



Mosquito and Vector Management District of Santa Barbara County

Environmental Management of Human Disease Vectors

TRUSTEES (TERM ENDING):

President: Bob Williams, Santa Barbara County
(12/31/24)

Vice-President: Joe Franken, City of Carpinteria
(1/31/25)

Secretary: Dr. Hugh Rafferty, Santa Barbara County
(12/31/27)

Dr. Charles Blair, Santa Barbara County (12/8/27)

Dr. Teri Jory, City of Santa Barbara (01/05/25)

Russell Dahlquist, Santa Barbara County (12/31/24)

Barbara Silver, Santa Barbara County (10/10/24)

Danica Taber, City of Goleta (1/1/28)

Persons with disabilities who require any disability-related modification or accommodation, including auxiliary aids or services, in order to participate in the meeting are asked to contact the District's General Manager at least three (3) days prior to the meeting by telephone at (805) 969-5050 or by email at gm@mvmdistrict.org.

Any public records which are distributed less than 72 hours prior to this meeting to all, or a majority of all, of the District's Board members in connection with any agenda item (other than closed sessions) will be available for public inspection at the time of such distribution at the District's office located at:

2450 Lillie Avenue, Summerland, CA 93067.

Such records may also be posted on the District's website at www.mvmdistrict.org

SPECIAL MEETING OF THE BOARD OF TRUSTEES

THE BOARD MEETING WILL BE HELD IN ROOM 18 AT THE SANTA BARBARA COMMUNITY COLLEGE WAKE CENTER CAMPUS LOCATED AT 300 N. TURNPIKE RD., SANTA BARBARA, CA 93111. MEMBERS OF THE PUBLIC WHO WISH TO OBSERVE THE MEETING AND/OR OFFER PUBLIC COMMENT CAN ATTEND IN PERSON AT THE MEETING LOCATION OR ACCESS THE MEETING BY USING THE FOLLOWING LINK: <https://us02web.zoom.us/j/83823181287> (MEETING ID: 838 2318 1287; PASSCODE: 012083; DIAL IN FOR AUDIO ONLY: 1-669-900-6833 or 1-408-638-0968, ID: 838 2318 1287#). PERSONS WITH A DISABILITY WHO REQUIRE REASONABLE MODIFICATION OR ACCOMMODATION TO OBSERVE THE MEETING AND/OR OFFER PUBLIC COMMENT SHOULD CONTACT THE DISTRICT AT 805-969-5050 OR INFO@MVMDISTRICT.ORG FOR INSTRUCTIONS ON HOW TO ACCESS THE MEETING.

JUNE 13, 2024, 09:30 AM

AGENDA

1. ROLL CALL

2. CONSIDERATION OF TELECONFERENCING NOTIFICATIONS OR REQUESTS FROM BOARD MEMBERS

Per Government Code § 54953(f), less than a quorum of Board members may on a limited basis videoconference to Board meetings for just cause or emergency circumstances.

3. CONFIRMATION OF AGENDA

4. STAFF ANNOUNCEMENTS regarding District business

A. Board Meeting Dates for the remainder of 2024. Start time is 1 PM.

1. Thursday, July 11	2. Thursday, August 8	3. Thursday, September 12
4. Thursday, October 10	5. Thursday, November 14	6. Thursday, December 12

5. CORRESPONDENCE

6. PUBLIC COMMENT. Time reserved for the public to address the Board of Trustees relative to matters of District business not on the agenda. Comment time regarding specific agenda items will be available during consideration of the particular agenda items.

7. ITEMS OF GENERAL CONSENT. The following items can be approved by a single action of the Board. Items requiring additional discussion may be withdrawn from the listing and addressed in separate actions. (See attachments for each.)

- A. Approval of the Minutes of the May 9, 2024 Regular Board Meeting (Page 4)
- B. Approval of the May Disease Surveillance Report (Page 7)
- C. Approval of the May District Operations Report (Page 10)

8. OLD BUSINESS. The Board will discuss and may take action on the following items:

- A. Accept and file the May Financial Statements for County Fund 4160 (Page 11)
- B. Accept and file the May Disbursement Report (Page 16)
- C. Accounts receivable contracts' status (5909 Misc. Revenue) (Page 22)
- D. Update on District building repair and improvement projects.
- E. Update on preliminary budget for fiscal year 2024-2025. (Page 23).

9. NEW BUSINESS. The Board will discuss and may take action on the following items:

- A. Report and discussion on the District's response to a request by the California Coastal Commission for an assessment of the environmental and ecological impacts of the use of the District's Argo amphibious vehicle within the Goleta Slough.
Legal counsel Jena Acos and Senior Land Use Project Manager Alicia Harrison from Brownstein Hyatt Farber Schreck, LLP will be in attendance.
- B. Discussion of a proposed public outreach publication produced by N&R Publications for distribution within the District's Service Zones. (Page 25)
Representative(s) from N&R will be present by teleconferencing to provide more details and answer questions.
- C. Recognition of Craig Geyer for his service as a trustee on the District Board from February 2016 to December 2023.

10. REVIEW OF THE CALIFORNIA HEALTH & SAFETY CODE, CHAPTER 1. MOSQUITO ABATEMENT AND VECTOR CONTROL DISTRICTS, ARTICLE 6. FINANCES, §§ 2078, 2079, 2080, 2081, 2082, 2083, 2084 and 2085. (Page 41)

11. REQUESTS FOR FUTURE AGENDA ITEMS

12. GENERAL MANAGER'S REPORT (Page 43)

13. BOARD ANNOUNCEMENTS

14. CLOSED SESSION

A. Public comment on closed session agenda items

B. Closed session pursuant to Government Code § 54957.6

Conference with labor negotiator regarding the renewal of the MOU

Agency designated representatives: Nate Kowalski, Counsel and Brian Cabrera, General Manager

Employee Organization: Mosquito and Vector Management District of Santa Barbara County Employees Association

The negotiations between the Mosquito and Vector Management District of Santa Barbara County and the Mosquito and Vector Management District of Santa Barbara County Employees Association will be presented for the purpose of reviewing the District's position and instructing the designated representatives. Issues to be discussed may include salaries, salary schedules, fringe benefits, available funds and funding priorities.

Reconvene to open session to report action taken (if any) in closed session

15. ADJOURNMENT (Next meeting scheduled for Thursday, July 11 at 1:00 PM)

MOSQUITO AND VECTOR MANAGEMENT DISTRICT
of Santa Barbara County
MINUTES OF REGULAR MEETING OF TRUSTEES
May 9th, 2024

The regular meeting of the Board of Trustees of the Mosquito and Vector Management District of Santa Barbara County was held at 1:00 PM, on Thursday, May 9th, 2024 via teleconference and in person at the Santa Barbara City College Wake Center Campus, Room 18.

1. ROLL CALL.

TRUSTEES PRESENT:

President Robert Williams
Secretary Hugh Rafferty
Trustee Teri Jory (remotely pursuant to *Government Code § 54953(f)*)
Trustee Barbara Silver (left following Closed Session)
Trustee Russell Dahlquist
Trustee Charles Blair
Trustee Danica Taber

TRUSTEES ABSENT:

Vice-President Joe Franken

IN ATTENDANCE:

Brian Cabrera, General Manager
Carrie Troup, CPA
Jessica Sprigg, Administrative Assistant
Nate Kowalski, Legal Counsel, Atkinson, Andelson, Loya, Ruud, and Romo (remotely, for Closed Session)
Ryan Aston, Senior Consultant, SCI Consulting Group

2. CONSIDERATION OF TELECONFERENCING NOTIFICATIONS OR REQUESTS FROM BOARD MEMBERS Per *Government Code § 54953(f)*, less than a quorum of Board members may on a limited basis videoconference to Board meetings for just cause or emergency circumstances

-Trustee Jory requested to participate remotely for just cause in order to provide childcare. There were no other individuals present at her location. Trustee Blair made a motion to approve her remote attendance. Motion seconded by Secretary Rafferty and passed 7-0-0 by roll call vote.

3. CONFIRMATION OF AGENDA

-GM Cabrera requested that Item 10A be discussed following public comment. There were no objections.

4. Staff announcements regarding District business

A. Board Meeting Dates for the remainder of 2024. Start time is 1 PM.

1. Thursday, June 13 (start time TBD)	4. Thursday, September 12	7. Thursday, December 12
2. Thursday, July 11	5. Thursday, October 10	
3. Thursday, August 8	6. Thursday, November 14	

5. CORRESPONDENCE

-None.

6. PUBLIC COMMENT-Time reserved for the public to address the Board of Trustees relative to matters of District business not on the agenda. Comment time regarding specific agenda items will be available during consideration of the particular agenda items.

-None.

10. NEW BUSINESS. The Board will discuss and may take action on the following items:

A. Consider and approve Resolutions 24-01 and 24-02 declaring the Intention to Continue Assessments, Preliminarily Approving Engineer's Report, and Providing for Notice of Hearing on July 11, 2024 for Fiscal Year 2024-25 for the Mosquito and Vector Management District of Santa Barbara County for Service Zone 1 and Service Zone 2.

-Ryan Aston, Senior Consultant for SCI Consulting Group will be present via teleconference to answer questions and provide additional information, as needed.

-Secretary Rafferty made a motion to adopt Resolution 24-01 and Resolution 24-02.

Motion seconded by Trustee Blair and passed 7-0-0 by roll call vote.

7. CLOSED SESSION

A. Public comment on closed session agenda items

-No public comment. Closed session began at 1:20.

B. Closed session pursuant to Government Code § 54957.6

Conference with labor negotiator

Agency designated representatives: Nate Kowalski, Counsel and Brian Cabrera, General Manager
Employee Organization: Mosquito and Vector Management District of Santa Barbara County Employees Association

-The negotiations between the Mosquito and Vector Management District of Santa Barbara County and the Mosquito and Vector Management District of Santa Barbara County Employees Association will be presented for the purpose of reviewing the District's position and instructing the designated representatives. Issues to be discussed may include salaries, salary schedules, fringe benefits, available funds and funding priorities.

Reconvene to open session to report action taken (if any) in closed session

-Returning from Closed Session at 3:25, there was no action to report.

8. ITEMS OF GENERAL CONSENT. The following items are approved by a single action of the Board. Items requiring additional discussion may be withdrawn from the listing and approved in a separate action.

A. Approval of the Minutes of the April 11th, 2024 Regular Board Meeting

B. Approval of the April Disease Surveillance Report

C. Approval of the April District Operations Report

-Trustee Blair made a motion to approve the Items of General Consent. Motion passed 6-0-0 by roll call vote, with Trustee Silver and Vice-President Franken absent.

9. OLD BUSINESS. The Board will discuss and may take action on the following items:

A. Accept and file the April Financial Statements for County Fund 4160

B. Accept and file the April Disbursement Report

-Reports were accepted and filed following review.

C. Accounts receivable contracts' status (5909 Misc. Revenue)

-Amount billed exceeds amount budgeted by \$18,000. Several contracts will be due for renewal.

D. Update on District building repair and improvement projects.

-Staff will continue to contact local architects/project planners to create a concept for design.

10. NEW BUSINESS. The Board will discuss and may take action on the following items:
- B. Discussion of a proposed public outreach publication for distribution in the District’s Service Zones, produced by N&R Publications.
 - Representative(s) from N&R will be present by teleconferencing to provide more details and answer questions.
 - Item continued to the June meeting.*
 - C. Presentation of updated preliminary budget for fiscal year 2024-2025.
 - Preliminary budget is an overall 4.5% increase from the FY 23-24 budget.*
 - D. Reschedule the June Board meeting.
 - GM Cabrera will not be available at the scheduled meeting time for the June 13 Board meeting and would like to reschedule for earlier that day or another mutually agreed upon date and time.
 - The June meeting will be held June 13th at 9:30 AM.*

11. REVIEW OF THE CALIFORNIA HEALTH & SAFETY CODE, CHAPTER 1. MOSQUITO ABATEMENT AND VECTOR CONTROL DISTRICTS, ARTICLE 6. FINANCES §§ 2073, 2074, 2076 and 2077.

-No discussion occurred for this item.

12. REQUESTS FOR FUTURE AGENDA ITEMS

-None.

13. GENERAL MANAGER'S REPORT

-There has been a significant increase in the number of monthly website views, from 11,492 in March to 24,665 in April.

14. BOARD ANNOUNCEMENTS

-The SBCCSDA annual awards were presented in April.

15. ADJOURNMENT

As there was no further business to be brought before the Board, the meeting was adjourned.

I certify that the above minutes substantially reflect the actions of the Board:

APPROVED:

 Bob Williams
 Board President

 Hugh Rafferty
 Board Secretary



**MOSQUITO and VECTOR MANAGEMENT DISTRICT
of SANTA BARBARA COUNTY**

DISEASE SURVEILLANCE REPORT

May 2024

Santa Barbara County Vector-borne Disease Surveillance*

Location	Date	Number of Mosquitoes	Type of Trap**	# of Traps	Mosquitoes per Trap Night	Pools Submitted	WSW*** Virus Test Result
Shoreline/More Mesa, Goleta Valley	4/30-5/1	240 (also 15 black flies)	EVS	12	20	0	--
UCSB/SBAir Bluffs	5/2-5/3	167	EVS	9	18.6	2	Negative
Lake Los Carneros	5/7-5/8	86	EVS	11	7.9	1	Negative
Lake Los Carneros	5/8-5/9	1	Gravid	2	0.5	1	Negative
Shoreline/More Mesa, Goleta Valley	5/7-5/15	4	BGS2	1	0.25	0	--
Shoreline/More Mesa, Goleta Valley	5/7-5/9	1	Gravid	1	0.5	1	Negative
Islay Street, 93101‡	5/21-5/22	0	EVS	2	0	0	--
Andree Clark Bird Refuge, 93101	5/21-5/22	20	EVS	6	3.3	0	--
Andree Clark Bird Refuge, 93101	5/21-5/24	6	Gravid	1	2	2	Negative
El Estero Water Treatment Plant, 93103	5/21-5/22	8	EVS	6	1.3	2	Negative
El Estero Water Treatment Plant, 93103	5/21-5/24	19	Gravid	1	6.3	2	Negative
Crescent Drive, 93105	5/22-5/24	3	Gravid	2	0.75	2	Negative
UCSB/SBAir Bluffs	5/23-5/31	28	BGS2	1	3.5	0	--
Shoreline/More Mesa, Goleta Valley	5/30-5/31	73	EVS	4	18.25	2	Pending
UCSB/SBAir Bluffs	5/30-5/31	120	EVS	9	13.3	3	Pending
UCSB/SBAir Bluffs	5/30-5/31	17	Gravid	4	4.25	2	Pending

** BGS2=Biogents Sentinel 2; BGP=Biogents Pro; EVS=encephalitis surveillance trap (CO²)

*** WSW=West Nile Virus; St. Louis Encephalitis Virus; and Western Equine Encephalitis

*Color indicates the virus-transmitting ability of some or all of the mosquito species caught in the traps:

Purple = high (example: *Aedes aegypti*, *Culex tarsalis*); Aqua = moderate; Tan = low.

For specific trap collection data, please email a request to: info@mvmdistrict.org.

‡ Location where *Aedes aegypti* was found in 2020.

Ticks were surveyed by flagging* in three locations in May.

- 1) 5/20, Toro Canyon County Park, **Toro Canyon Park Loop Trail** – 78 *Dermacentor occidentalis* (39 females/39 males)
- 2) 5/24, **Romero Trail** – 57 *D. occidentalis* (27 females/30 males), 5 *I. pacificus* (3 females/2 males)
- 3) 5/31, School District property behind Turnpike Center, **San Simeon Drive** – 0 ticks

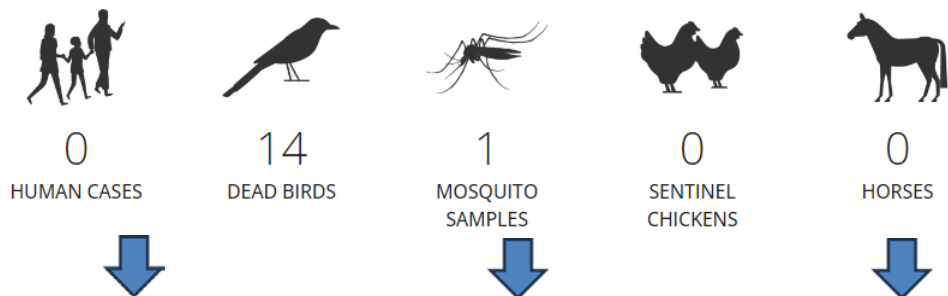
* Visit <https://www.mvmdistrict.org/tick-talk> for an explanation of tick flagging and more information about ticks.

No dead birds were tested for WNV last month. The CDPH dead bird hotline received multiple reports of at least 20 dead sea birds (brown pelicans, sea gulls, and cormorants) near East Beach on May 6th, but they were not forwarded to the District for collection. Four additional dead birds were rejected by the hotline because they were in the road or the report was made during a weekend. There have been no detections of West Nile virus (WNV) in the County in 2024. St. Louis encephalitis virus (SLE) and Western equine encephalitis virus (WEE) have never been documented in the County.

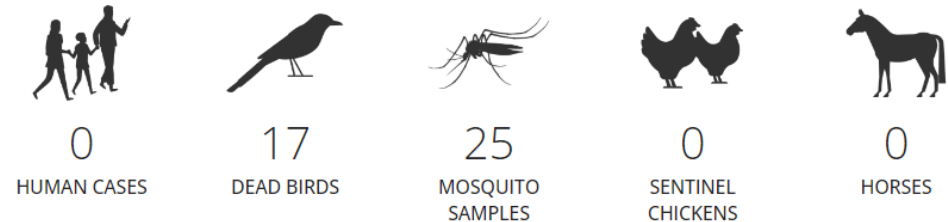
California Vector-borne Disease Surveillance

Nine Counties have reported samples positive for West Nile virus in 2024. The number of WNV-positive mosquito samples increased from 1 to 25 in May 2024. One mosquito pool from Fresno County has tested positive for SLE. There have been no reports of WEE.

California WNV activity as of April 26, 2024



California WNV activity as of May 31, 2024

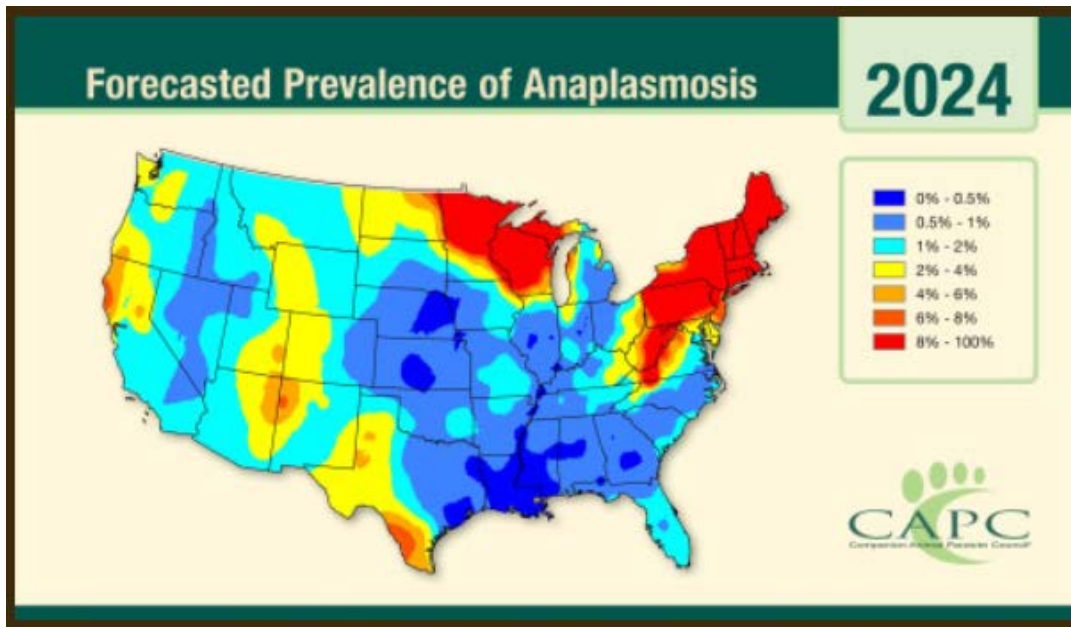


<https://westnile.ca.gov>

Update on Invasive *Aedes* Mosquito in California

No invasive *Aedes* species have been detected in Santa Barbara County since May 2021. Santa Barbara, along with four other coastal Counties, have been removed from the invasive *Aedes* map because more than two years has passed since the last collection. *Aedes aegypti* is found in 24 California counties, and *Aedes albopictus* is found in five.

Two human cases of locally transmitted dengue virus were discovered in Long Beach and Pasadena in October of 2023. Non-native *Aedes* mosquitoes, capable of vectoring dengue, Zika, chikungunya, and yellow fever are common in the LA area. In 2024, there have been 32 travel-related human dengue cases in California.



Anaplasma phagocytophilum is much more common in the Northeast and Midwest United States than in California. There has been forewarning that its prevalence in California is increasing from publications (in 2013 and 2016) and a presentation at the 2024 MVCAC Annual Conference.

Human Granulocytic Anaplasmosis (HGA) *Anaplasma phagocytophilum*

Anaplasmosis is a tick-borne disease caused by the bacteria *Anaplasma phagocytophilum*. One *Ixodes pacificus* tick collected on March 5, 2024, on the Sweetwater Trail along the shore of Lake Cachuma, tested positive. A black-legged tick must be attached to a person for a minimum of 12 to 24 hours to transmit the pathogen. Symptoms of the disease appear in 5 to 14 days and include fever, chills, headache, body ache, fatigue, vomiting, and diarrhea. The disease is easily treatable with antibiotics, but untreated cases can be life-threatening. Dogs, mice, deer, and other animals can also be infected.

The District advises to avoid tick bites by wearing repellent, staying on hiking trails, avoiding contact with vegetation, and checking for ticks after outdoor activity. Pets should also be inspected for ticks after visiting wilderness areas. To remove an attached tick, grip it with tweezers close to the skin and pull straight out (no twisting, chemicals, smothering with oils or ointments, or fire should be used to remove ticks).



Anaplasma phagocytophilum
inside a white blood cell



Image: Bay Area Lyme Foundation

Mosquito and Vector Management District of Santa Barbara County

Report of District Operations - May 2024

Location	Mosquito					Bees & Wasps			Rats & Mice		Surveillance			Other		Total
	Inspection Hours	Treatment Hours	Service Requests	Fish Requests	Standing Water Reports	Inspection Hours	Treatment Hours	Service Requests	Inspection Hours	Service Requests	WNV Bird	Chickens	Mosquito Pools	Bedbugs	Misc. Requests	Total hours devoted to zone
Goleta	66.5	12.0	1	1		2.5							7.0			88.0
Goleta Valley	41.0	5.5	2	2	2	0.5		1	5.0				25.5			77.5
Rancho Embarcadero																0.0
Isla Vista	7.5	1.0			1								10.5			19.0
Hope Ranch	2.0	1.0														3.0
Hidden Valley																0.0
Santa Barbara area	21.0	5.0	1	3	3	2.0		2					13.0		1	41.0
Mission Canyon	1.0			2												1.0
Montecito	6.0	0.5		2												6.5
Summerland	4.5	1.0		1												5.5
Carpinteria	7.5	1.5		1		0.5		1								9.5
Carpinteria Valley	9.5	3.5		3									2.0			15.0
Carp Salt Marsh	18.5	4.5														23.0
Camino Real	1.0	0.5														1.5
Storke Ranch	4.0															4.0
Goleta Sanitary	2.0	0.5														2.5
City of Goleta	5.5	1.5														7.0
UCSB	38.5	38.0			1											76.5
Santa Barbara Airport	23.5	9.0														32.5
City of Santa Barbara	1.0															1.0
SoCalGas	1.5	1.0														2.5
South County total	262.0	86.0	4	15	7	5.5	0.0	4	5.0	0	0.0	0.0	58.0	0	1	416.5
Unincorporated North County				2												0.0
North County total	0.0	0.0	0	2	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0	0	0.0
Pismo Beach																0.0
Oceano Dunes																0.0
San Luis Obispo																0.0
SLO County total	0.0	0.0	0.0	0	0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0	0	0.00
Monthly Totals	262.0	86.0	4	17	7	5.5	0.0	4	5.0	0	0.0	0.0	58.0	0	1	416.50
Year to Date	1104.5	329.0	9.0	95	26	10.0	0.0	7	9.5	5	3.0	0.0	92.0	0	4	

	This Month	Year to Date
Total Inspection Hours	272.5	1024.0
Total Treatment Hours	86.0	329.0
Total Mileage	3,210.0	13,382.0

Financial Status (Real-Time)

As of: 5/31/2024 (92% Elapsed)
Accounting Period: OPEN

Selection Criteria: Fund = 4160

Layout Options: Summarized By = Fund, LineItemAccount; Page Break At = Fund

Fund 4160 -- Mosquito & Vector Mgt District

Line Item Account	6/30/2024 Fiscal Year Adjusted Budget	5/31/2024 Year-To-Date Actual	6/30/2024 Fiscal Year Variance	6/30/2024 Fiscal Year Pct of Budget
Revenues				
Taxes				
3010 -- Property Tax-Current Secured	518,000.00	540,944.47	22,944.47	104.43 %
3011 -- Property Tax-Unitary	7,700.00	8,821.97	1,121.97	114.57 %
3015 -- PT PY Corr/Escapes Secured	0.00	1,387.96	1,387.96	--
3020 -- Property Tax-Current Unsecd	19,800.00	20,783.06	983.06	104.96 %
3023 -- PT PY Corr/Escapes Unsecured	300.00	798.87	498.87	266.29 %
3028 -- RDA Pass-through Payments	3,600.00	4,391.23	791.23	121.98 %
3029 -- RDA RPTTF Resid Distributions	7,000.00	8,935.09	1,935.09	127.64 %
3040 -- Property Tax-Prior Secured	0.00	122.54	122.54	--
3050 -- Property Tax-Prior Unsecured	500.00	788.07	288.07	157.61 %
3054 -- Supplemental Pty Tax-Current	7,100.00	11,983.19	4,883.19	168.78 %
3056 -- Supplemental Pty Tax-Prior	200.00	167.20	-32.80	83.60 %
Taxes	564,200.00	599,123.65	34,923.65	106.19 %
Fines, Forfeitures, and Penalties				
3057 -- PT-506 Int, 480 CIOS/CIC Pen	0.00	49.57	49.57	--
Fines, Forfeitures, and Penalties	0.00	49.57	49.57	--
Use of Money and Property				
3380 -- Interest Income	17,000.00	37,970.71	20,970.71	223.36 %
Use of Money and Property	17,000.00	37,970.71	20,970.71	223.36 %
Intergovernmental Revenue-State				
4220 -- Homeowners Property Tax Relief	2,300.00	2,084.30	-215.70	90.62 %
Intergovernmental Revenue-State	2,300.00	2,084.30	-215.70	90.62 %
Intergovernmental Revenue-Other				
4840 -- Other Governmental Agencies	18,000.00	9,306.40	-8,693.60	51.70 %
Intergovernmental Revenue-Other	18,000.00	9,306.40	-8,693.60	51.70 %

Financial Status (Real-Time)

As of: 5/31/2024 (92% Elapsed)
Accounting Period: OPEN

Selection Criteria: Fund = 4160

Layout Options: Summarized By = Fund, LineItemAccount; Page Break At = Fund

Fund 4160 -- Mosquito & Vector Mgt District

Line Item Account	6/30/2024 Fiscal Year Adjusted Budget	5/31/2024 Year-To-Date Actual	6/30/2024 Fiscal Year Variance	6/30/2024 Fiscal Year Pct of Budget
Charges for Services				
4877 -- Other Special Assessments	726,000.00	708,813.51	-17,186.49	97.63 %
Charges for Services	726,000.00	708,813.51	-17,186.49	97.63 %
Miscellaneous Revenue				
5891 -- Refunds/Repayments	6,000.00	0.00	-6,000.00	0.00 %
5909 -- Other Miscellaneous Revenue	160,000.00	164,847.22	4,847.22	103.03 %
Miscellaneous Revenue	166,000.00	164,847.22	-1,152.78	99.31 %
Revenues	1,493,500.00	1,522,195.36	28,695.36	101.92 %
Expenditures				
Salaries and Employee Benefits				
6100 -- Regular Salaries	525,000.00	444,324.48	80,675.52	84.63 %
6210 -- Commissioner/Director/Trustee	10,000.00	8,400.00	1,600.00	84.00 %
6400 -- Retirement Contribution	186,000.00	172,725.29	13,274.71	92.86 %
6475 -- Retiree Medical OPEB	21,000.00	6,287.02	14,712.98	29.94 %
6500 -- FICA Contribution	32,550.00	28,234.34	4,315.66	86.74 %
6550 -- FICA/Medicare	8,500.00	6,603.13	1,896.87	77.68 %
6600 -- Health Insurance Contrib	150,000.00	128,109.26	21,890.74	85.41 %
6610 -- Life & Disability Insur	2,100.00	1,923.90	176.10	91.61 %
6700 -- Unemployment Ins Contribution	2,250.00	806.40	1,443.60	35.84 %
6900 -- Workers Compensation	23,000.00	22,550.00	450.00	98.04 %
Salaries and Employee Benefits	960,400.00	819,963.82	140,436.18	85.38 %
Services and Supplies				
7030 -- Clothing and Personal	7,000.00	4,851.31	2,148.69	69.30 %
7050 -- Communications	7,500.00	5,835.64	1,664.36	77.81 %
7070 -- Household Supplies	3,400.00	3,061.00	339.00	90.03 %
7090 -- Insurance	25,000.00	24,601.00	399.00	98.40 %

Financial Status (Real-Time)

As of: 5/31/2024 (92% Elapsed)
Accounting Period: OPEN

Selection Criteria: Fund = 4160

Layout Options: Summarized By = Fund, LineItemAccount; Page Break At = Fund

Fund 4160 -- Mosquito & Vector Mgt District

Line Item Account	6/30/2024 Fiscal Year Adjusted Budget	5/31/2024 Year-To-Date Actual	6/30/2024 Fiscal Year Variance	6/30/2024 Fiscal Year Pct of Budget
7120 -- Equipment Maintenance	10,000.00	7,715.86	2,284.14	77.16 %
7121 -- Operating Supplies	13,000.00	6,119.17	6,880.83	47.07 %
7124 -- IT Software Maintenance	27,500.00	24,725.77	2,774.23	89.91 %
7200 -- Structure & Ground Maintenance	15,000.00	4,147.89	10,852.11	27.65 %
7430 -- Memberships	18,500.00	16,696.00	1,804.00	90.25 %
7450 -- Office Expense	6,300.00	4,206.73	2,093.27	66.77 %
7460 -- Professional & Special Service	86,000.00	55,557.03	30,442.97	64.60 %
7508 -- Legal Fees	20,000.00	33,919.77	-13,919.77	169.60 %
7546 -- Administrative Expense	12,000.00	7,670.05	4,329.95	63.92 %
7650 -- Special Departmental Expense	93,000.00	84,762.44	8,237.56	91.14 %
7653 -- Training Fees & Supplies	8,400.00	4,655.25	3,744.75	55.42 %
7730 -- Transportation and Travel	8,000.00	3,786.62	4,213.38	47.33 %
7731 -- Gasoline-Oil-Fuel	15,000.00	9,539.94	5,460.06	63.60 %
7760 -- Utilities	6,500.00	4,323.28	2,176.72	66.51 %
Services and Supplies	382,100.00	306,174.75	75,925.25	80.13 %
Capital Assets				
8200 -- Structures&Struct Improvements	78,000.00	7,274.62	70,725.38	9.33 %
8300 -- Equipment	50,000.00	0.00	50,000.00	0.00 %
Capital Assets	128,000.00	7,274.62	120,725.38	5.68 %
Expenditures	1,470,500.00	1,133,413.19	337,086.81	77.08 %
Other Financing Sources & Uses				
Other Financing Uses				
7901 -- Oper Trf (Out)	23,000.00	0.00	23,000.00	0.00 %
Other Financing Uses	23,000.00	0.00	23,000.00	0.00 %
Other Financing Sources & Uses	-23,000.00	0.00	23,000.00	0.00 %

Financial Status (Real-Time)

As of: 5/31/2024 (92% Elapsed)
Accounting Period: OPEN

Selection Criteria: Fund = 4160

Layout Options: Summarized By = Fund, LineItemAccount; Page Break At = Fund

Fund 4160 -- Mosquito & Vector Mgt District

Line Item Account	6/30/2024 Fiscal Year Adjusted Budget	5/31/2024 Year-To-Date Actual	6/30/2024 Fiscal Year Variance	6/30/2024 Fiscal Year Pct of Budget
Mosquito & Vector Mgt District	0.00	388,782.17	388,782.17	--
Net Financial Impact	0.00	388,782.17	388,782.17	--

Cash Balances (Real-Time)

As of: 5/31/2024
Accounting Period: OPEN

Selection Criteria: Fund = 4160-4161

Layout Options: Summarized By = Fund; Page Break At = Fund

Fund	5/1/2024 Beginning Balance	Month-To-Date Cash Receipts (+)	Month-To-Date Treasury Credits (+)	Month-To-Date Warrants and Wire Transfers (-)	Month-To-Date Treasury Debits (-)	5/31/2024 Ending Balance
4160 -- Mosquito & Vector Mgt District	2,556,004.78	51,278.49	550,912.27	39,541.00	600,107.86	2,518,546.68
4161 -- SB Vector-Cap Asset Reserve	675,116.73	0.00	0.00	0.00	0.00	675,116.73
Total Report	3,231,121.51	51,278.49	550,912.27	39,541.00	600,107.86	3,193,663.41

Vendor Disbursements (Real-Time)

From 5/1/2024 to 5/31/2024

Selection Criteria: Fund = 4160

Layout Options: Summarized By = Fund, Vendor; Page Break At = Fund

Fund 4160 -- Mosquito & Vector Mgt District

Disbursement	Disbursement Date	Dept	Purchase Order	Remit Description	Amount	
Vendor 002073 -- SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY						
ACH - 847313	05/10/2024	880		Vendor Invoice #: H45243; Vendor Account:	74.90 74.90	Life Insurance
Total SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY					174.90	
Vendor 006215 -- US BANK CORPORATE PAYMENT SYSTEM						
ACH - 849948	05/31/2024	880		Vendor Account:	1,115.35 1,115.35	
Total US BANK CORPORATE PAYMENT SYSTEM					1,115.35	
Vendor 008116 -- HOWELL MOORE & GOUGH LLP						
W - 09819825	05/10/2024	880		Vendor Invoice #: 45204; Vendor Account:	770.00 770.00	Rick Battles - Retainer
Total HOWELL MOORE & GOUGH LLP					770.00	
Vendor 010421 -- CLARKE MOSQUITO CONTROL						
W - 09819607	05/07/2024	880		Vendor Invoice #: 005108332; Vendor Account:	6,878.76 6,878.76	Larvicide
Total CLARKE MOSQUITO CONTROL					6,878.76	
Vendor 050379 -- ADP INC						
EFT	05/03/2024	880		Vendor Invoice #: 660069943	446.60	Payroll Services
Total ADP INC					446.60	
Vendor 086415 -- CITY EMPLOYEES ASSOC LLC						
ACH - 846780	05/07/2024	880		UNION DUES	48.00	
ACH - 848238	05/17/2024	880		UNION DUES	48.00	
ACH - 849990	05/31/2024	880		UNION DUES	48.00	
Total CITY EMPLOYEES ASSOC LLC					144.00	
Vendor 101532 -- STREAMLINE						
W - 09819633	05/07/2024	880		Vendor Invoice #: 051D17E0-0043	249.00	Website
Total STREAMLINE					249.00	
Vendor 148414 -- ZWORLD GIS						
ACH - 846823	05/07/2024	880		Vendor Invoice #: 2024-0140	1,445.00	
Total ZWORLD GIS					1,445.00	

Vendor Disbursements (Real-Time)

From 5/1/2024 to 5/31/2024

Selection Criteria: Fund = 4160

Layout Options: Summarized By = Fund, Vendor; Page Break At = Fund

Fund 4160 -- Mosquito & Vector Mgt District

Disbursement	Disbursement Date	Dept	Purchase Order	Remit Description	Amount	
Vendor 169688 -- BROWNSTEIN HYATT FARBER SCHRECK LLP						
ACH - 848523	05/20/2024	880		Vendor Invoice #: 984473; Vendor Account: 0	2,286.26	Legal fees
Total BROWNSTEIN HYATT FARBER SCHRECK LLP					2,286.26	
Vendor 194683 -- Allied Administrators for Delta Dental						
ACH - 846852	05/07/2024	880		ID #	771.83	
Total Allied Administrators for Delta Dental					871.83	
Vendor 244645 -- AFLAC						
W - 09819497	05/06/2024	880		Vendor Invoice #: 747095; Vendor Account:	336.60	Supplemental health insurance (deducted from paychecks)
W - 09820922	05/31/2024	880		Vendor Invoice #: 088577; Vendor Account:	548.46	
Total AFLAC					885.06	
Vendor 246891 -- MISSION LINEN SUPPLY						
ACH - 846862	05/07/2024	880		Vendor Account:	360.00	
Total MISSION LINEN SUPPLY					360.00	
Vendor 252027 -- Educated Car Wash						
ACH - 847383	05/10/2024	880		Vendor Invoice #:	24.95	
Total Educated Car Wash					24.95	
Vendor 424150 -- JOY EQUIPMENT PROTECTION INC						
ACH - 848546	05/20/2024	880		Vendor Invoice #:	258.00	Annual fire extinguisher inspection
Total JOY EQUIPMENT PROTECTION INC					258.00	
Vendor 509950 -- MARBORG INDUSTRIES						
ACH - 848552	05/20/2024	880		Vendor Account:	155.58	
Total MARBORG INDUSTRIES					155.58	
Vendor 522736 -- McCormix Corporation						
ACH - 846883	05/07/2024	880		Vendor Account:	922.53	Fuel account
Total McCormix Corporation					922.53	

Vendor Disbursements (Real-Time)

From 5/1/2024 to 5/31/2024

Selection Criteria: Fund = 4160

Layout Options: Summarized By = Fund, Vendor; Page Break At = Fund

Fund 4160 -- Mosquito & Vector Mgt District

Disbursement	Disbursement Date	Dept	Purchase Order	Remit Description	Amount	
Vendor 548522 -- KENNEDYS AUTOMOTIVE CTR INC						
W - 09820929	05/31/2024	880		Vendor Invoice #: 42486	273.06	Replace battery
				Total KENNEDYS AUTOMOTIVE CTR INC	273.06	
Vendor 551710 -- ADAPCO INC						
ACH - 850054	05/31/2024	880		Vendor Invoice #: 137176; Vendor Account:	5,275.44 5,275.44	Larvicide
				Total ADAPCO INC	5,275.44	
Vendor 556712 -- MONTECITO WATER DISTRICT						
ACH - 847285	05/09/2024	880		Vendor Account:	65.20 65.20	
				Total MONTECITO WATER DISTRICT	65.20	
Vendor 621213 -- COUNTY OF SANTA BARBARA						
W - 09819666	05/07/2024	880		Vendor Invoice #: 50879; Vendor Account:	25.00 25.00	
				Total COUNTY OF SANTA BARBARA	25.00	
Vendor 648390 -- CALIFORNIA PUBLIC EMPLOYEES RETIREMENT SYSTEM						
ACH - 848350	05/17/2024	880		Vendor Invoice #: 10000017546715; Vendor Account: 1	11,428.36	
				Total CALIFORNIA PUBLIC EMPLOYEES RETIREMENT SYSTEM	11,428.36	
Vendor 710175 -- STATE/FEDERAL TAXES & DIRECT DEPOSITS						
EFT	05/15/2024	880		Vendor Account:	9,984.20 9,984.20	
EFT	05/24/2024	880		Vendor Account:	9,110.20 9,110.20	
				Total STATE/FEDERAL TAXES & DIRECT DEPOSITS	39,094.40	
Vendor 740582 -- BIG GREEN CLEANING COMPANY						
ACH - 847527	05/10/2024	880		Vendor Invoice #: 647876; Vendor Account:	287.00 287.00	
ACH - 847527	05/10/2024	880		Vendor Invoice #: 632244; Vendor Account:	271.00 271.00	
				Total BIG GREEN CLEANING COMPANY	558.00	
Vendor 767200 -- SOUTHERN CALIFORNIA EDISON						
ACH - 848755	05/21/2024	880		Vendor Account:	168.03 168.03	
				Total SOUTHERN CALIFORNIA EDISON	168.03	

Vendor Disbursements (Real-Time)

From 5/1/2024 to 5/31/2024

Selection Criteria: Fund = 4160

Layout Options: Summarized By = Fund, Vendor; Page Break At = Fund

Fund 4160 -- Mosquito & Vector Mgt District

Disbursement	Disbursement Date	Dept	Purchase Order	Remit Description	Amount
Vendor 767800 -- THE GAS COMPANY					
ACH - 847303	05/09/2024	880		Vendor Account:	54.04
				Total THE GAS COMPANY	54.04
Vendor 776537 -- COX COMMUNICATIONS - BUSINESS					
ACH - 848760	05/21/2024	880		Vendor Account:	460.88
				Total COX COMMUNICATIONS - BUSINESS	460.88
Vendor 855111 -- VISION SERVICE PLAN-CA					
ACH - 850158	05/31/2024	880		Vendor Invoice #: 820526797; Vendor Account: 3	176.59
				Total VISION SERVICE PLAN-CA	176.59
Vendor 874582 -- BAY ALARM COMP					
W - 09820329	05/20/2024	880		Vendor Invoice #: 21394266; Vendor Account:	156.75
				Total BAY ALARM COMP	156.75
				Total Mosquito & Vector Mgt District	74,723.57

P.O. BOX 6343
FARGO ND 58125-6343



ACCOUNT NUMBER _____
STATEMENT DATE 05-22-2024
AMOUNT DUE \$1,115.35
NEW BALANCE \$1,115.35

PAYMENT DUE ON RECEIPT



00000511 01 SP 106481043286263 P
MVM DISTRICT
ATTN BRIAN CABRERA
PO BOX 1389
2450 LILLIE AVE
SUMMERLAND CA 93067-1389

AMOUNT ENCLOSED
\$

Please make check payable to "U.S. Bank"

U.S. BANK CORPORATE PAYMENT SYSTEMS
P.O. BOX 790428
ST. LOUIS, MO 63179-0428

Please tear payment coupon at perforation.

CORPORATE ACCOUNT SUMMARY									
MVM DISTRICT	Previous Balance	Purchases And Other Charges	Cash Advances	Cash Advance Fees	Late Payment Charges	Credits	Payments	New Balance	
Company Total	\$2,062.25	\$1,115.35	\$0.00	\$0.00	\$0.00	\$0.00	\$2,062.25	\$1,115.35	

CORPORATE ACCOUNT ACTIVITY					
MVM DISTRICT					TOTAL CORPORATE ACTIVITY
					\$2,062.25 CR
Post Date	Tran Date	Reference Number	Transaction Description		Amount
05-01	05-01	74798264122000000000022	PAYMENT - 845990 00000 A		2,062.25 PY

NEW ACTIVITY					
VESNA IBARRA		CREDITS	PURCHASES	CASH ADV	TOTAL ACTIVITY
		\$0.00	\$73.28	\$0.00	\$73.28
Post Date	Tran Date	Reference Number	Transaction Description		Amount
05-10	05-09	24755424130281301927792	FAST LANE 2015 SANTA BARBARA CA		73.28

CUSTOMER SERVICE CALL 800-344-5696	ACCOUNT NUMBER		ACCOUNT SUMMARY	
	STATEMENT DATE 05/22/24	DISPUTED AMOUNT .00	PREVIOUS BALANCE 2,062.25 PURCHASES & OTHER CHARGES 1,115.35 CASH ADVANCES .00 CASH ADVANCE FEES .00 LATE PAYMENT CHARGES .00 CREDITS .00 PAYMENTS 2,062.25	ACCOUNT BALANCE 1,115.35
SEND BILLING INQUIRIES TO: U.S. Bank National Association C/O U.S. Bancorp Purchasing Card Program P.O. Box 6335 Fargo, ND 58125-6335	AMOUNT DUE 1,115.35			



Company Name: MVM DISTRICT
Corporate Account Number:
Statement Date: 05-22-2024

NEW ACTIVITY					
JESSICA F SDRIGG		CREDITS	PURCHASES	CASH ADV	TOTAL ACTIVITY
		\$0.00	\$300.00	\$0.00	\$300.00
Post Date	Tran Date	Reference Number	Transaction Description	Amount	
05-02	05-01	24445004122300517825370	FSP*TECHEASE COMPUTER SOL 805-564-3273 CA	300.00	
ROBBY R SHARP		CREDITS	PURCHASES	CASH ADV	TOTAL ACTIVITY
		\$0.00	\$130.84	\$0.00	\$130.84
Post Date	Tran Date	Reference Number	Transaction Description	Amount	
04-25	04-24	24231684116837000061992	SMART AND FINAL 391 SANTA BARBARA CA	56.14	
05-01	04-30	24445714121300474453716	RALPHS #0680 SANTA BARBARA CA	74.70	
KAREN EGERMAN-SCHULTZ		CREDITS	PURCHASES	CASH ADV	TOTAL ACTIVITY
		\$0.00	\$458.06	\$0.00	\$458.06
Post Date	Tran Date	Reference Number	Transaction Description	Amount	
05-08	05-07	24492154128743203165131	LINDE GAS & EQUIPMENT INC DANBURY CT	48.29	
05-09	05-07	24036284129016016880619	MCCORMIX OIL CORPORATION SANTA BARBARA CA	84.03	
05-09	05-08	24445714129300484851604	RALPHS #0100 GOLETA CA	98.47	
05-22	05-21	24492154142717513042240	LINDE GAS & EQUIPMENT INC DANBURY CT	227.27	
DONALD CRAM		CREDITS	PURCHASES	CASH ADV	TOTAL ACTIVITY
		\$0.00	\$96.18	\$0.00	\$96.18
Post Date	Tran Date	Reference Number	Transaction Description	Amount	
05-03	05-02	24231684124837000069524	SMART AND FINAL 702 GOLETA CA	96.18	
BRIAN J CABRERA		CREDITS	PURCHASES	CASH ADV	TOTAL ACTIVITY
		\$0.00	\$56.99	\$0.00	\$56.99
Post Date	Tran Date	Reference Number	Transaction Description	Amount	
05-06	05-05	24204294126001012576047	MICROSOFT G045226128 701-2817490 WA	42.00	
05-14	05-13	24011344134000056132226	ZOOM.US 888-799-9666 WWW.ZOOM.US CA	14.99	

} Dry ice

} Dry ice and fuel

} Email services

Department: 00000 Total: \$1,115.35
 Division: 00000 Total: \$1,115.35

Contract Status as of 6/7/2024

Account	MOU Maximum	FYE24	FYE23	FYE22	MOU Status
1 Wynmark	\$2,089	\$ 1,456.04	\$1,563.55	\$982.73	FYE26 not started
3 Goleta Sanitary District	\$5,719	\$ 9,415.03	\$4,744.06	\$3,784.34	FYE26 not started
4 Goleta, City of	\$15,187	\$14,946.73	\$13,710.44	\$6,358.75	FYE25 completed
5 Oceano Dunes District	\$30,798	\$11,585.79	\$17,860.63	\$18,096.06	Submitted for CY24-CY28
6 Pismo Beach, City of	\$10,405	\$ 7,105.23	\$6,403.09	\$8,909.53	FYE25 completed
7 Santa Barbara Airport	\$99,571	\$86,685.29	\$66,131.69	\$56,128.09	FYE26 not started
8 Santa Barbara, City of	\$6,473	\$ 7,129.96	\$6,049.75	\$5,471.13	FYE25 completed
9 SoCalGas	\$3,096	\$ 3,105.56	\$3,269.14	\$1,527.55	Submitted Mosquito Management Plan
10 Cal-Storke, LLC	\$2,223	\$ 2,114.10	\$2,173.79	\$1,225.18	FYE25 complete
11 UCSB	\$35,369	\$34,843.65	\$28,540.84	\$25,493.42	FYE26 not started
12 San Luis Obispo, County of	\$14,070	\$ -	\$8,954.28	\$5,268.29	FYE26 not started

	Billed amount as of 6/7/2024	Budgeted
FYE 2024	\$178,387.38	\$160,000
FYE 2023	\$172,985.57	\$130,000
FYE 2022	\$154,357.76	\$120,000
FYE 2021	\$111,620.56	\$110,000
FYE 2020	\$ 133,309.32	\$105,000
FYE 2019	\$ 129,218.76	\$100,000
FYE 2018	\$ 96,290.35	\$ 70,000
FYE 2017	\$ 129,280.19	\$105,000
FYE 2016	\$ 58,200.34	\$115,000
FYE 2015	\$ 64,697.32	\$120,000

Draft MVMDSBC Budget FY 24-25

	Actual 06/30/22	Actual 6/30/23	Approved Budget FY 2023- 24	Year to Date May 2024	Draft Budget FY 2024-25
Revenues					
Taxes					
3010 -- Property Tax-Current Secured	489,719	525,144	518,000	540,944	545,000
3011 -- Property Tax-Unitary	7,482	8,340	7,700	8,822	8,890
3015 -- PT PY Corr/Escapes Secured	(31)	1,594	-	1,388	1,642
3020 -- Prop Tax-Curr/Unsecd	17,945	19,299	19,800	20,783	20,878
3023 -- PT PY Corr/Escapes Unsecured	773	380	300	799	391
3028 -- RDA Pass-through payments	6,282	7,060	3,600	4,391	7,280
3029 -- RDA RPTTF Distributions	11,292	12,347	7,000	8,935	12,717
3040 -- Property Tax-Prior Secured	(64)	112	-	123	115
3050 -- Property Tax-Prior Unsecured	581	410	500	788	422
3054 -- Supplemental Pty Tax-Current	17,499	22,320	7,100	11,983	22,990
3056 -- Supplemental Pty Tax-Prior	(136)	218	200	167	225
Taxes	551,342	597,224	564,200	599,124	620,550
Fines, Forfeitures, and Penalties					
3057 -- PT-506 Int, 480 CIOS/CIC Pen	18	28	-	50	50
Fines, Forfeitures, and Penalties	18	28	-	50	50
Use of Money and Property					
3380 -- Interest Income	7,560	29,463	17,000	37,971	22,000
3381 -- Unrealized Gain/Loss Invstmnts	(487)	-	-	-	-
Use of Money and Property	7,073	29,463	17,000	37,971	22,000
Intergovernmental Revenue-State					
4220 -- Homeowners Property Tax Relief	2,166	2,132	2,300	2,084	2,350
Intergovernmental Revenue-State	2,166	2,132	2,300	2,084	2,350
Intergovernmental Revenue-Other					
4840 -- Other Governmental Agencies	16,582	17,262	18,000	9,306	18,000
4842 -- RDA Dissolution Proceeds	1,370	1,373	-	-	-
Intergovernmental Revenue-Other	17,951	18,635	18,000	9,306	18,000
Charges for Services					
4877 -- Other Special Assessments	649,700	705,189	726,000	708,814	740,000
Charges for Services	649,700	705,189	726,000	708,814	740,000
Miscellaneous Revenue					
5891-- Refunds/Repayments	20,233	5,565	6,000	-	-
5909 -- Other Miscellaneous Revenue	116,367	163,979	160,000	164,847	160,000
Miscellaneous Revenue	136,600	169,544	166,000	164,847	160,000
Revenues	1,364,849	1,522,215	1,493,500	1,522,195	1,562,950
Expenditures					
Salaries and Employee Benefits					
6100 -- Regular Salaries	435,139	464,512	525,000	444,324	550,000
6210 -- Trustee Exp Reimb	8,800	8,500	10,000	8,400	11,500
6400 -- Retirement Contribution	169,682	179,301	186,000	172,725	215,000
6475 -- Retiree Medical OPEB	6,603	6,709	21,000	6,287	8,000
6500 -- FICA Contribution	27,589	29,245	32,550	28,234	34,100
6550 -- FICA/Medicare	6,452	6,839	8,500	6,603	8,000
6600 -- Health Insurance Contrib	140,460	137,551	150,000	128,109	150,000
6610 -- Life Insurance Contrib		1,049	2,100	1,924	2,100

MVMDSBC Budget FY 24-25

	Actual 06/30/22	Actual 6/30/23	Approved Budget FY 2023- 24	Year to Date May 2024	Draft Budget FY 2024-25
6700 -- Unemployment Ins Contribution	836	814	2,250	806	2,250
6900 -- Workers Compensation	20,492	19,711	23,000	22,550	25,000
Salaries and Employee Benefits	816,053	854,231	960,400	819,964	1,005,950
Services and Supplies					
7030 -- Clothing and Personal	5,426	5,797	7,000	4,851	6,000
7050 -- Communications	6,248	6,675	7,500	5,835	7,000
7070 -- Household Supplies	2,887	3,467	3,400	3,061	3,500
7090 -- Insurance	18,836	20,868	25,000	24,601	26,700
7120 -- Equipment Maintenance	6,579	9,298	10,000	7,716	11,000
7121 -- Operating Supplies	11,866	5,261	13,000	6,119	13,000
7124 -- IT Software Maintenance	7,639	16,990	27,500	24,726	27,000
7200 -- Structure & Ground Maintenance	1,851	6,551	15,000	4,148	21,300
7430 -- Memberships	16,063	16,431	18,500	16,697	19,000
7450 -- Office Expense	4,166	4,276	6,300	4,207	7,000
7460 -- Professional & Special Service	57,182	66,569	86,000	55,557	86,000
7508 -- Legal Fees	17,018	14,298	20,000	33,920	70,000
7546 -- Administrative Expense	9,568	7,815	12,000	7,670	8,000
7650 -- Pesticides (Spcl Dept Expense)	86,721	84,233	93,000	84,762	100,000
7653 -- Training Fees & Supplies	1,429	2,302	8,400	4,655	8,700
7730 -- Transportation and Travel	1,532	4,343	8,000	3,787	8,000
7731 -- Gasoline-Oil-Fuel	12,002	9,323	15,000	9,540	15,000
7760 -- Utilities	4,095	4,684	6,500	4,323	6,800
Services and Supplies	271,108	289,181	382,100	306,175	444,000
Capital Assets					
8200 -- Structures & Struct Improvements	-	-	78,000	7,275	40,000
8300 -- Equipment	-	-	50,000	-	50,000
Capital Assets	-	-	128,000	7,275	90,000
Expenditures	1,087,161	1,143,412	1,470,500	1,133,414	1,539,950
Transfers Out					
7901 Oper Transfer Out (depreciation)	17,000	23,000	23,000	-	23,000
7901 Oper Transfer Out -Reserves	-	-	-	-	-
7860 -- Contrib to other agencies (OPEB)	100,360	26,042	-	-	-
Total Transfers Out	117,360	49,042	23,000	0	23,000
Transfers In & Changes to Fund Balances					
9602 -- Receivables	-	-	-	-	-
9797 -- Unrealized Gains/losses	487	-	-	-	-
5911 -Transfer In (from fund 4161 for assets)	-	-	-	-	-
Total Transfers In & Changes to Fund Balances	487	0	0	0	0
Total	160,816	329,761	0	388,782	0

N&R Publications
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 Sacramento, CA 95813
 www.nrpubs.com

Consultant: Elizabeth Morabito -
 elizabethm@newsreview.com - ext. 728
 Quotes: 916.498.1234 ext. 726
 cpquotes@newsreview.com



Quote Number Q00324
 Quote Date 05/09/2024
 Valid Until 07/09/2024

Brian Cabrera
 Mosquito & Vector Management District of Santa Barbara County
 2450 Lillie Ave
 Summerland, CA 93067

Direct Mailing to Residences in Zones 1 and 2

QUOTE

Description	Unit Cost	Quantity	Tax	Line Total
Concept, writing, editing, translation, photography, preliminary proofs, 12 page publication	\$28,500.00	1		\$28,500.00
Deliverables: Final proofs, hi-res & low res PDFs, final story docs and photo files, cover jpgs, flipbook & pub gif, embed code, outreach email and one-minute Recap Video all delivered digitally (does not include working files or stock images). Digital stories hosted on N&R website for one year. Promotion of stories on N&R social media accounts. Printing, shipping and distribution detailed separately. Includes Accessible PDF on request. 12 page publication, taxable	\$9,500.00	1	7.75%	\$9,500.00
ESTIMATED Mailing prep for Every Door Direct Mailing, to Residential addresses in 93013, 93067, 93101, 93103, 93108, 93109, 93110, 93111 - each	\$0.05	50,800		\$2,540.00
ESTIMATED Postage for EDDM - Must be prepaid one week prior to mailing	\$0.21	50,800		\$10,668.00
Printing of copies for mailing on newsprint (approx. size 11x11"), 12 page publication (50k+ rate), per copy, taxable	\$0.13	50,800	7.75%	\$6,604.00
Printing of client copies on newsprint (approx. size 11x11"), 12 page publication (50k+ rate), per copy, taxable	\$0.13	1,000	7.75%	\$130.00
ESTIMATED Shipping and handling to multiple POs, taxable	\$600.00	1	7.75%	\$600.00

If this is the option selected, we will confirm mailing and shipping prices and provide a quote for signature.

Subtotal \$58,542.00
 Sales Tax \$1,304.64
 Summerland, Santa Barbara 7.75%

Terms

Billing: Portion of base cost (approximately 50% of total charges) due upon approval of production plan. Remainder due upon completion of project. Please

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 elizabethm@newsreview.com - ext. 728
 Quotes: 916.498.1234 ext. 726
 cpquotes@newsreview.com



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Brian Cabrera
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 Summerland, CA 93067

Newsprint insert in the Santa Barbara Independent and El Latino

QUOTE

Description	Unit Cost	Quantity	Tax	Line Total
Concept, writing, translation, editing, photography, preliminary proofs, 12 page publication	\$28,500.00	1		\$28,500.00
Deliverables: Final proofs, hi-res & low res PDFs, final story docs and photo files, cover jpgs, flipbook & pub gif, embed code, outreach email and one-minute Recap Video all delivered digitally (does not include working files or stock images). Digital stories hosted on N&R website for one year. Promotion of stories on N&R social media accounts. Printing, shipping and distribution detailed separately. Includes Accessible PDF on request. 12 page publication, non-taxable produced for insertion	\$9,500.00	1		\$9,500.00
Insertion into Santa Barbara Independent, full run (25,500 copies)	\$2,460.00	1		\$2,460.00
Zoned insertion into El Latino (14,000 copies)	\$1,680.00	1		\$1,680.00
Printing of copies for insertion, 12 page insert (25-50k rate), includes 2% overage for waste during insertion process, per copy, non-taxable	\$0.15	39,780		\$5,967.00
Press stop for printing: change from quarterfolds to half folds	\$175.00	1	7.75%	\$175.00
Printing of client copies on newsprint (approx. size 11x11"), 12 page publication (25-50k rate), per copy, taxable	\$0.15	1,000	7.75%	\$150.00
ESTIMATED Shipping and handling of inserted copies, taxable	\$1,100.00	1	7.75%	\$1,100.00
ESTIMATED Shipping and handling of client copies, taxable	\$100.00	1	7.75%	\$100.00

Terms Subtotal \$49,632.00

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Sales Tax Summerland, Santa Barbara 7.75%	\$118.19
Total	\$49,750.19

Helping you
have a safer
summer

Keeping You Safe



Vector control stands on the front lines of prevention

A Long History of Community Service

Protecting public health for over 100 years

BY MATT JOCKS

For more than 100 years, the Marin/Sonoma Mosquito & Vector Control District has protected the public from mosquitoes and other vectors.

A vector, as defined by the California Department of Public Health, is “any insect or other arthropod, rodent or other animal of public health significance capable of harboring or transmitting the causative agents of human disease, or capable of causing human discomfort and injury.”

And while the fundamentals of vector control have not changed much, the tactics of the district have. Modern communication, improvements in the science of control agents (e.g. mosquito larvicides and adulticides) and an emphasis on community outreach have enabled the district to control vectors in a way that is more efficient, effective and environmentally compatible.

While many of the district’s estimated 5,000 service calls a year involve vector population control, the emphasis is on prevention: using surveillance and input from the community to identify breeding sources, and making sure that mosquitoes are controlled in the larval stage before they are highly mobile, disease-transmitting adults. The district even employs some non-human assistants, distributing mosquitofish to residents with contained water features.



“We have developed a lot of programs over the years to prevent risks to public health amid emerging threats.”

TAMARA DAVIS
Trustee on the Board of MSMVCD

“We have developed a lot of programs over the years,” said longtime trustee Tamara Davis. “We have one of our staff members teach classes to school-age kids. The kids go home and talk to their parents about the things that they can do around the house to control mosquitoes.”

Kelly Liebman, Ph.D., scientific programs manager for the district, said 23 mosquito species are native to the region. Four species of particular concern — *Culex tarsalis*, *Culex pipiens*, *Culex erythrothorax* and *Culex stigmatosoma* — are important vectors of West Nile virus and St. Louis encephalitis virus. Additionally, the district works to combat *Aedes sierrensis*, the primary vector of dog heartworm.

Three invasive mosquitoes — *Aedes aegypti*, *Aedes albopictus* and *Aedes notoscriptus* — have been introduced

Kelly Liebman, Ph.D. knows first-hand the value of conducting research on vectors to combat the spread of disease.
PHOTO BY SAKHON NHEK

in other parts of the state, and the district has an extensive surveillance program to detect them if they should arrive in Marin or Sonoma County. To date, no invasive species have been found in either Marin or Sonoma County.

Although mosquitoes get the most attention, the district also deals with yellowjackets, ticks and rodents. By a narrow margin, the removal of yellowjacket nests accounted for the most service calls the agency received in 2018. In addition to the mosquito surveillance program, the district has an extensive tick surveillance program, focusing on collecting western black-legged, Pacific Coast and American dog ticks from local parks. Western black-legged ticks are then tested for the bacterium that causes Lyme disease.



Marin/Sonoma Mosquito and Vector Control District by the numbers



Founded:

1915

the first organized mosquito abatement district in California



Service Area:

2,300

sq miles for both Marin and Sonoma



Population Served:

765,722

plus 25 million visitors a year



Community Support:

95%

of residents are satisfied with their service



Mosquito Species:

23

in Marin and Sonoma counties

Novato resident Jean Harris has been collaborating with the MSMVCD for 20 years and deeply appreciates the staff's educational background and the agency's services.

PHOTO BY SAKHON NHEK

Partners in Public Health

Resident teams up with MSMVCD to control mosquitoes in her neighborhood

BY MATT JOCKS

When Jean Harris first asked for help from the Marin/Sonoma Mosquito & Vector Control District, her aggravation level was high and her expectation level was low.

"I don't normally reach out to government agencies," she said. "I figure it's just going to be a waste of time."

Twenty years later, Harris and MSMVCD are old friends. Though mosquitoes haven't left her neighborhood in Novato, the partnership she and her neighbors have formed with MSMVCD has helped to keep the insects under control.

"I was really surprised at their level of response," Harris said. "They really are more like a group of family members than a government agency. They follow up and they follow through."

What impresses Harris the most about MSMVCD is the extent of their educational work. When Harris reached out initially, she said she knew next to nothing about mosquitoes. Representatives taught her about the different mosquito species; it turned out the trees and aquatic habitats in and around her property contained several different ones.

Marc Nadale, MSMVCD field supervisor for Marin County, said this kind of communication is vital in vector control and public



"They really are more like a group of family members ... They follow up and they follow through."

JEAN HARRIS
Novato resident

health. MSMVCD can provide temporary vector control and relief, but residents need to be informed so they can help serve as the eyes and ears for the district. In the best-case scenario, local residents and MSMVCD can work together to identify breeding areas early and prevent larvae from hatching as flying, biting, disease-transmitting adults.

Communication and education are also key to informing residents about the components of MSMVCD's Integrated Vector Management Program, including the use of public health pesticides.

"We try to talk to the residents and let them know, for instance, about the science and technology involved in public health pesticides, some of which are labeled for use in organic production," Nadale said. "Fogging, or adult mosquito control, is the last step in MSMVCD's integrated program. We also work with residents and property owners to gain access for efficient and effective vector control."

Part of the education process also involves letting neighbors know how they can address the mosquito problem by eliminating small sources of standing water around their homes.

For longtime residents like Harris, MSMVCD seems more like a neighbor than a government agency.

"They have always taken care of our problems," Harris said. "And they are always willing to take the time. I have never felt like a pest myself for calling them. I have felt like we are all in a community, working together."

A Kinder, Gentler Form of Pest Control

Scientific advancements in vector control make mosquito prevention friendlier to the people and pets who share space with these buzzing vectors.

"Scientists work to minimize the amount and extent of pesticide application," said Dr. Sharon Lawler, professor of Entomology and Nematology at UC Davis. "They've also developed materials that protect non-target animals. There are several low-impact options."

The optimal strategy is to eliminate the mosquitoes before they become adults, treating the larvae with bacteria. That is why MSMVCD conducts ongoing surveillance to look for breeding areas.

When mosquitoes emerge, they are treated with pesticides, but science has enabled the district to minimize the impact pesticides have on the environment and our health.

The new generation of pesticides can be used at low volumes with materials that evaporate quickly, minimizing impact to other insects. Applications are targeted to specific times — generally dusk and dawn — and are typically limited to locations specific enough to treat from the ground.



2018 Service Calls:

5,765

2,739 for yellowjacket nests
2,119 for mosquitoes



Breeding Grounds:

20,000+

known sources of mosquito
breeding regularly checked

YOU Can Help

The Marin/Sonoma Mosquito & Vector Control District has a long history of managing mosquito populations, but they can't do it alone. Mosquito control is everyone's responsibility. Being proactive is the key to managing mosquito populations and decreasing the risk of mosquito-borne disease. Any item that holds water for more than 72 hours has

the ability to produce mosquitoes. You can help by routinely checking around your property and eliminating items holding water, stocking permanent water features with mosquitofish and reporting mosquito problems. Your efforts can make a huge difference in keeping Marin and Sonoma counties safe.

Request Free Services

Visit www.msosquito.com or call **707-285-2200** to report mosquito problems or get advice on how you can help prevent the spread of vectors.



GET MOSQUITOFISH FOR FREE!

A trained technician will stock your pond or water feature and leave a note on your door. There is no need to be home.

Call **707-285-2200** to request delivery, or place a request online at www.msosquito.com.



Repellents You Can Rely On



Insect repellents do more than just prevent annoying insect bites, they're the first line of defense for mosquito-borne and tick-borne illnesses. When choosing an insect repellent, be sure it's one with an active ingredient that has been registered with the Environmental Protection Agency (EPA). When used as directed, EPA-registered insect repellents are proven safe and effective.

EPA-registered repellents will contain one of the following active ingredients:

- DEET
- Picaridin
- IR3535
- Oil of Lemon Eucalyptus (OLE)
- Para-menthane-diol (PMD)

DEET concentrations up to 30% have been approved by the American Academy of Pediatrics for children 2 months and older. **Oil of Lemon Eucalyptus or PMD should NOT be used for children under 3 years of age.** Always follow label instructions, which specify the correct amount to apply for each age and how often to reapply repellent.



**FIND OUT
MORE
INSIDE**



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**Protect Yourself
PAGE 6**



Protect Yourself from Pests



Find out how you can fight the bite and avoid vector-borne illness

Raising Public Awareness

Curbing mosquito populations and health hazards with vector control



As temperatures rise, so do mosquito populations and the risk of infectious disease. However, through proactive control measures and personal protection, the summer doesn't have to bite.

"We do what is called an integrated vector management," said Joel Buettner, General Manager of Placer Mosquito and Vector Control District. "Basically, it's a science-based, decision-making process in which we monitor mosquito species, the abundance, where they are and if they're carrying West Nile Virus."

In addition to setting up traps at over 70 sites per week, Buettner and his team track mosquito populations using drones, public input and in-house testing.

"From that information, we determine what the risk is to the public," Buettner said. "As we determine area of high risk, we take appropriate preventative and responsive measures to manage that risk."

In Northern California, Butte, Nevada and Placer counties work together to employ a broad range of control methods that can vary as much as the territory those counties cover, which is home to more than 30 species of mosquitoes.

While the snowmelt mosquitoes found in snowy climates do not carry human diseases, they do like to bite people. Similarly, treehole mosquitoes in the foothills also like to bite people but tend to carry and transmit canine heartworm to dogs.

In western Placer County's urban areas and irrigated agriculture, the concern centers on California's two primary vectors of West Nile Virus, *Culex tarsalis* and *Culex pipiens*.

In 2018, 28 reported cases of West Nile Virus came from all three counties — the most since 2012. It's a public health risk that is manageable through detection, control and personal responsibility. This includes reducing or eliminating standing water on your property, not spending long stretches of time outside during dawn or dusk and, if doing so, wearing protective clothing and an effective insect repellent.

"Throughout history and around the world, mosquitoes have been closely associated with human civilization and have spread disease, and that's not going to change any time soon," Buettner said. "The more information we have about how we can prevent that risk, and help people to protect themselves, the safer we will all be."

With public awareness and action, alongside the ongoing efforts of vector control agencies, we all can enjoy summer safely.

"The more information we have about what the risk is and how people can protect themselves, the safer we will be."

Joel Buettner
General Manager, Placer Mosquito and Vector Control District



Mosquito 101

From the dry plains to the snow-capped mountains, mosquitoes are buzzing about.

- ➔ **More than 30 species** of mosquitoes live throughout Butte, Nevada, and Placer counties — including *Culex tarsalis* and *Culex pipiens*, California's two primary vectors of West Nile Virus.
- ➔ *Culex tarsalis* and *Culex pipiens* prefer to get their blood meal from birds but will **opportunistically bite humans** and other animals when available.
- ➔ A mosquito may breed multiple times in its life and can lay **hundreds of eggs in rafts**, which float on top of still or standing water.
- ➔ Warmer temperatures **speed up a mosquito's life cycle**, which — based on the species and weather — can range from four days to a month.
- ➔ Some mosquitoes will "overwinter" — similar to hibernation — through the cold months and **emerge in spring** to lay eggs.
- ➔ Mosquitoes are **most active at dawn** and dusk.
- ➔ To protect yourself from mosquito bites, use an **EPA-registered repellent**, wear long clothing and when possible stay inside at dawn and dusk.

Living with West Nile Virus

West Nile Virus can be debilitating, far-reaching and long-lasting

After feeding off infected birds, mosquitoes can transmit West Nile Virus (WNV) to humans. While the Centers for Disease Control and Prevention (CDC) reports 80 percent of people infected will show no symptoms, others will experience flu-like symptoms including fever, headaches, muscle or joint pain and, occasionally, rashes.

The CDC reports only 1 in 150 people infected with WNV will develop a severe illness, but Wendi Landers wasn't comforted by the statistics when her mother began showing signs of WNV.

In August 2018, Landers arrived at her mother's house in Elverta to find her incoherent under the summer sun. Believing it to be dehydration, Wendi's mother was treated and released from the emergency room before being readmitted the following day with a 104 degree fever and bouts of incoherency.

"Back in the ER," Wendi said, "everything went downhill. Her brain started swelling and by Sunday morning she was in an almost comatose state."

After receiving a diagnosis of WNV encephalitis, Wendi's mother spent a month in the hospital and another month at a nursing facility.

"She had to relearn how to walk, eat, speak, use the restroom, bathe, get dressed, brush her hair," Wendi said.

The family saw gradual improvement and now, close to a year after contracting WNV, Wendi said her mother is about 80 percent back to where she was — though she still fatigues easily, has a spotty memory and can't live independently.

While WNV continues to take a physical and emotional toll on her mother, Wendi said the family is struggling to adjust to the role reversal for a woman who was once the heart and caregiver of their family and now needs care herself.

"We don't have our same mom back," Wendi said. "We're getting there, I just don't know if she's going to get to the point she was."

"We don't have our same mom back."

Wendi Landers
Daughter of West Nile
Virus survivor



Wendi Landers (above) wants people to know the dangers of WNV and how they can take precautions to avoid it.

Photo by Anne Stokes

Though the statistics may seem hopeful on paper, Wendi believes the real-life risk of WNV is too great and urges people to take precautions by wearing long clothing or repellent, reporting dead birds to local vector control for WNV testing and promptly seeing a physician if symptoms appear.

For more information about West Nile Virus, visit the Centers for Disease Control and Prevention at <https://www.cdc.gov/westnile/>.



After a long road to recovery, Debra Folsom (above) beat Lyme disease. She enjoys life again and strives to help others who've contracted the disease.
Photo by Emily Teague

Leaving Lyme Behind

Avoiding ticks is vital in preventing the spread of tick-borne diseases like Lyme

After returning from a ski trip in early 2010, Debra Folsom began to feel weak — as if she had the flu and it wouldn't go away. By the end of the year, Debra was in a wheelchair and would remain so for six years.

Experiencing extreme fatigue, neurological pain and severe anxiety, doctors initially diagnosed Debra with chronic fatigue syndrome after she falsely tested negative for Lyme disease. However, her condition only worsened.

Confined to her wheelchair, Debra found it necessary to hire someone to run her business and a caregiver to assist her husband in providing care. However, the toll Lyme disease took on her social life was one of the most debilitating.

"It's a very isolating situation," Debra says. "Because of the neurological symptoms and anxiety, you can't

really socialize. It's just too overwhelming so you end up being alone."

In 2013, three years after the onset of her initial symptoms, Debra was correctly diagnosed positive with Lyme disease and began treatments. Over time, her condition finally improved.

These days, living in Chico, Debra's back into her active lifestyle while educating the public on ways to protect themselves from ticks. Avoiding ticks and the diseases they carry, like Lyme can be achieved by wearing long clothing and repellent, tucking your pants into your socks when hiking and always check tight-fitting clothing after walks in the wild.

For more information about Lyme disease, visit the Centers for Disease Control and Prevention at <https://www.cdc.gov/lyme/>.

"Having Lyme disease can be a very isolating situation."

Debra Folsom
Lyme disease
survivor

Check Around The House

Vector prevention starts in your own backyard — but doesn't end there

Outside



Uncovered boats

Clear out standing water. Cover with a tarp.



Potted plants

Flush water from saucers once a week or keep them filled with sand.



Pet dishes

Rinse and replace water twice a week.



Fish ponds

Stock with mosquitofish, clear excess vegetation.



Sprinklers

Don't over-irrigate landscaping — excess water can provide breeding habitat.



Rain gutters

Remove leaves, dirt and debris. Keep clean to maximize water flow and prevent standing water.



Trash bins

Dump any standing water, keep lids tight.



Tree holes

Inspect for water during the rainy season. If water is present, consult an arborist to determine the best method of eliminating water. You can also contact your mosquito control district for help.



Water troughs

Stock with mosquitofish or change the water weekly.



Barbecues

Keep covered so water does not collect inside of them.



Bird baths or fountains

Flush out completely once a week and refill.



Pools

Keep clean and filtered, keep water off the cover and stock with mosquitofish if no longer being maintained.



Spas and hot tubs

Keep clean, filtered and heated. If not in use, keep empty.



Tarps

Dry off water that collects after rain.



Your D



T
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Inside



Windows

Use your air conditioning so you can keep the windows closed and bugs out.



Screens

Fix any holes to keep mosquitoes outside.



Houseplants

Do not overwater plants and keep any plant saucers free from standing water.



Pet water dishes

Change the water often.



Under the sink

A leaky sink leads to standing water, which equals prime mosquito hatching ground.



Toilets

An unused toilet, like one in a house whose residents are on vacation, is a great place for mosquitoes to lay eggs. Residents should drain toilets if they go on an extended vacation.



Coffee makers (pods or pots)

Keep free of water when not in regular use, and rinse and clean water storage tanks once a week.



Buckets/containers

Keep water-free, store them upside down.



Tires

Dispose of properly or cover, so water does not collect inside. Drill drainage holes in tire swings.



Wheelbarrows

Dump standing water, store upside down.

On Your Person



EPA-Registered insect repellent

Use products containing DEET, Picaridin, IR3535, Oil of Lemon Eucalyptus, Para-menthane-diol or 2-undecanone.



Apply and reapply repellent as directed

When used as directed, they are safe for pregnant and breastfeeding women.

For babies and children, adults should spray repellent onto their hands and then apply to a child's face. Apply sunscreen first and repellent second.



Wear long-sleeved shirts and long pants

Treat items such as boots, pants, socks and tents with permethrin.

og

Talk to your veterinarian

Veterinarians can recommend the best tick prevention products for your dog and tell you about tick-borne diseases in your area.



Check your pets daily

Especially after they spend time outdoors, check dogs and cats for ticks.

If you find a tick on your pet, remove it right away.



Create a tick-free zone in your yard

Apply pesticides outside to reduce ticks.

Clear tall grasses and weeds and mow the lawn regularly.





Scott Schon (left) shows his wife and two young children how mosquitofish help control mosquito populations.
Photo by Anne Stokes

Proactive Protection

Simple steps can protect a home and family from being overrun by mosquitoes

Reliable Repellents

Keeping mosquitoes away can begin with finding a repellent that's right for you. To ensure the repellent is effective and safe, many professionals suggest looking for a United States Environmental Protection Agency (EPA) Registration Number on a repellent with one of the following ingredients:



→ **DEET** — One of the oldest, most effective and most common ingredients in repellents, it protects against mosquito and tick bites. Ongoing studies suggest repellents with DEET are safe to use, as instructed, for any age.



→ **Insect Repellent 3535 (IR 3535)** — Effective against certain mosquito species, deer ticks, body lice and biting flies, it has no known human or environmental health risks.



→ **Picaridin** — Repelling mosquitoes, ticks, fleas and chiggers, this synthetic compound is meant to resemble the piperine compound found in plants that produce black pepper. Safe for human use, it is moderately toxic to fish.



→ **Oil of lemon eucalyptus** — Naturally extracted from eucalyptus leaves or twigs or synthetically produced, for commercial products, it poses no known human or environmental risks. Not recommended for use on children under 3 years old. May need to reapply more often than other repellents.

At Placer Mosquito and Vector Control District, Scott Schon is in charge of the Biological Control Program and its unmanned aircraft drones — utilizing natural and artificial tools to monitor and control Placer County's mosquito populations. At home with his family, Schon takes his work personally.

As Lead Vector Control Technician, Schon also oversees the district's mosquitofish breeding facility in Roseville. With seven recirculating tanks, the program raises roughly 60,000 baby mosquitofish every year to be distributed to residents throughout Placer County, free of charge.

"We're mainly stocking contained sources," Schon said, "like horse troughs, unused swimming pools, ornamental ponds."

The fish, which eat mosquito larvae in the water, help to control mosquito populations near residents' homes, while Scott and his team use drones to gather data and take action in more remote areas.

"We use drones to take atmospheric readings to detect different weather patterns that may be beneficial to our spray operations," he said. "Other drones are waterproof, made to land in water, with a camera that sits underwater to detect the presence of mosquito larvae."

At home, Schon has a small pond on his property, which he maintains throughout the year to prevent it from becoming a breeding ground for mosquitoes.

"I make sure that my water is always recirculating," he said. "Typically, mosquitoes don't want to breed in moving water; they're looking for more still and stagnant water. And, aside from recirculating water, I have mosquitofish."

To protect his own family, Schon follows much of the advice he passes on to residents. In addition to cleaning and maintaining his swimming pool and gutters, he empties buckets and outside toys that have filled with rain or sprinkler water.

"Stop them from having a spot to reproduce and it makes [mosquito control] a lot easier," Schon said. "Once they're adults and they're all flying around, it's a little harder to control that."

To avoid being bitten by adult mosquitoes, Schon says that wearing long clothing or setting up a fan on a small patio — mosquitoes don't want to compete with the wind — can go a long way. And, when out hunting waterfowl, he prefers a mosquito repellent with DEET in it.

Ultimately, if Schon knows mosquitoes are out in force, he'll try to stay inside with his family at dawn and dusk, when mosquitoes are most active.

Following these simple habits, residents can protect themselves and their family from the yearly onslaught of mosquitoes — and they won't even have to take their work home with them.

"Stop them from having a spot to reproduce, and it makes [mosquito control] a lot easier."

Scott Schon
Lead Vector Control Technician,
Placer Mosquito and
Vector Control District



Ask the Expert

Q&A with Dr. Elizabeth Andrews, Public Health Biologist with the Vector-Borne Disease Section of the California Department of Public Health

BY ANNE STOKES

No one likes dealing with mosquitoes or ticks. But aside from being an annoyance, why is it important to control vector populations from a public health perspective?

It's important to control these populations because mosquitoes and ticks can potentially carry vector-borne diseases, such as West Nile virus or Lyme disease, respectively.

And these diseases can cause serious, long-term health issues, right?

They can if left untreated. In the case of Lyme disease, it's a treatable disease with antibiotics, but if you don't recognize the signs and symptoms early and it's left untreated, there could be serious long-term health consequences. Some of the mosquito-borne viruses may also cause serious health issues.

What are some of the methods districts use to control vector populations?

The vector control districts collect surveillance information, which helps them identify where and when they need to implement control measures such as applying pesticides. They are also using an integrated vector management approach and

performing environmental modifications to areas that produce mosquitoes. These may include water management practices such as ensuring water is moving freely and there isn't a lot of vegetation or other harborage for mosquito larvae. They also use biological control methods such as mosquitofish, which prey upon mosquito larvae and reduce mosquito populations.

Why is it important for residents to do their part as well?

If you've got an upturned trash can or other containers or areas in your yard where you see standing water, you're going to be seeing mosquitoes. If every resident could take a minute and look around their yard for these water sources, that would help drop the mosquito population eventually.

If you have long grasses, if you have wood piles stored up against the house, those provide homes for ticks. If you were to remove those and keep those things away from your home, you would hopefully be able to reduce the tick populations.

What can residents do to protect themselves from mosquitoes and ticks?

Personal protective measures are effective at preventing bites from mosquitoes and ticks. The first line of defense is to wear long sleeves and pants when you're going outdoors.

In addition to wearing appropriate clothing, the US Centers

for Disease Control and Prevention suggests using insect repellents with active ingredients that are registered by the Environmental Protection Agency (EPA). These are specifically DEET, picaridin, IR3535, Oil of Lemon Eucalyptus (OLE) and para-menthane-diol. If you're using these repellants against mosquitoes, make sure you're spraying your entire body, all your exposed skin including the back of your neck and hands. If you want to prevent tick bites, spray your legs, ankles and shoes. Ticks usually crawl onto people from the grass or the ground.

What are some common ineffective methods of mosquito and tick repellents?

Products not registered by the EPA are not known to effectively protect people from insect bites. Some examples are these are essential oil such as citronella, cedar, geranium, peppermint, and soybean oil.

Clip-on fans, wristbands, coils, candles and tabletop diffusers aren't the best products to prevent insect bites because they're only going to repel insects from that small area around the product, not your body. If you're outdoors and active in areas where there are mosquitoes and ticks, it's really best to use a repellent applied to the skin and clothing for personal protection.



For more information, visit the California Department of Public Health website at cdph.ca.gov/Programs/CID/DCDC/Pages/VBDS.aspx or send an email to VBDS@cdph.ca.gov

Protect Yourself Every Season

The best prevention is to plan early

SPRING

Ticks are rampant in the valley during the spring months. They tend to reside in tall grass and brush, so maintain a mowed lawn and remove any debris. Regular tick checks are advised, especially on pets and areas where your clothing is restricted.

Increased numbers of the fierce treehole mosquito kick off mosquito season in the Gold Country from Auburn to Colfax. Similarly, as the snow melts in the High Country, there is no shortage of mosquitoes. Discard sitting water from garbage cans, pet bowls and other outside sources to eliminate mosquito breeding sources.

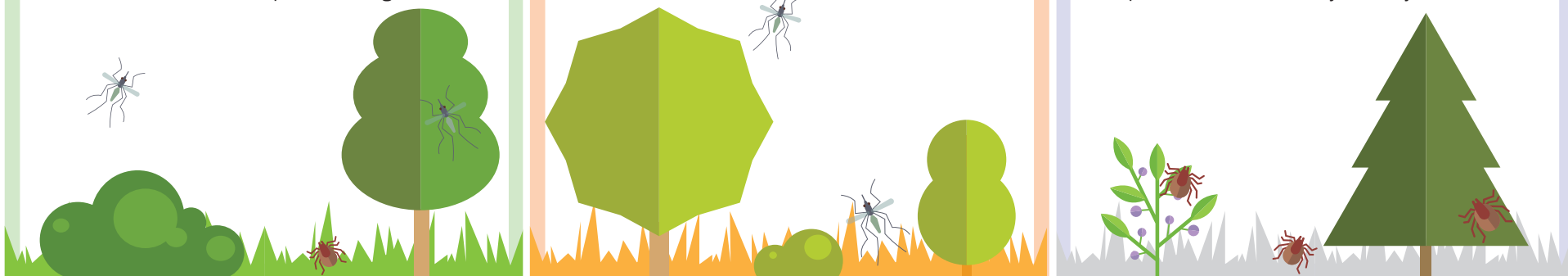
SUMMER

The High Country continues to see a rampant mosquito population in the early part of the season. Mosquito numbers and West Nile Virus activity are at their peak in the summer throughout the western cities of the valley, like Roseville and Lincoln. Reduce your risk of getting bit with repellents, long sleeved clothing and avoiding outdoor activities at dawn and dusk.

FALL & WINTER

In the colder months, ticks carrying diseases are especially common in the Gold Country. The region also experiences a peak with nymphs — immature ticks — in the winter. The valley has a comparable trend as ticks are most common in the winter.

When ticks are prevalent, keep repellents handy and opt for light-colored clothing that allows you to quickly notice when a tick may have latched onto you. Remember, the quicker you notice a tick, the easier it is to remove them due to the cement-like substance they release to plant themselves onto your body.



Contact Your Local Office



Placer Mosquito and Vector Control District

📍 2021 Opportunity Drive
Roseville, CA 95678

☎ 888-768-2343 or 916-380-5444

@ placermosquito.org/contact-placer

Butte County Mosquito and Vector Control District Headquarters

📍 5117 Larkin Road
Oroville, CA 95965

☎ 530-533-6038 or 530-342-7350

@ bcmvcd.com/contact.php

Nevada County Environmental Health Mosquito and Vector Control

📍 950 Maidu Avenue
Nevada City, CA 95959

☎ 530-265-1500

@ env.health@co.nevada.ca.us

CALIFORNIA HEALTH AND SAFETY CODE
CHAPTER 1. MOSQUITO ABATEMENT AND VECTOR CONTROL DISTRICTS

Article 6. Finances

2078. The board of trustees may establish a revolving fund pursuant to Article 15 (commencing with Section 53950) of Chapter 4 of Part 1 of Division 2 of Title 5 of the Government Code to make change and pay small bills directly.

2079. (a) The board of trustees shall provide for regular audits of the district's accounts and records pursuant to Section 26909 of the Government Code.
- (b) The board of trustees shall provide for the annual financial reports to the Controller pursuant to Article 9 (commencing with Section 53890) of Chapter 4 of Part 1 of Division 2 of Title 5 of the Government Code.

Article 7. Alternative Revenues

2080. Whenever a board of trustees determines that the amount of revenues available to the district or any of its zones is inadequate to meet the costs of providing facilities, programs, projects, and services, the board of trustees may raise revenues pursuant to this article or any other provision of law.

2081. A district may levy special taxes pursuant to:

- (a) Article 3.5 (commencing with Section 50075) of Chapter 1 of Part 1 of Division 1 of Title 5 of the Government Code.
- (b) The Mello-Roos Community Facilities Act of 1982, Chapter 2.5 (commencing with Section 53311) of Part 1 of Division 2 of Title 5 of the Government Code.

2082. (a) A district may levy special benefit assessments consistent with the requirements of Article XIID of the California Constitution to finance vector control projects and programs.
- (b) Before beginning a vector control project or program proposed to be financed pursuant to this section, the board of trustees shall adopt a resolution that does all of the following:
- (1) Specifies its intent to undertake the project or program.
 - (2) Generally describes the project or program.
 - (3) Estimates the cost of the project or program.
 - (4) Estimates the duration of the proposed special benefit assessment.
- (c) After adopting its resolution pursuant to subdivision (b), the board of trustees shall proceed pursuant to Section 53753 of the Government Code.
- (d) The special benefit assessments levied pursuant to this section shall be collected at the same time and in the same manner as county taxes. The county may deduct an amount not to exceed its actual costs incurred for collecting the special benefit assessments before remitting the balance to the district. The special benefit assessments shall be a lien on all the property benefited. Liens for the assessments shall be of the same force and effect as liens for property taxes, and their collection may be enforced by the same means as provided for the enforcement of liens for county taxes.

2083. A district may levy special benefit assessments consistent with the requirements of Article XIID of the California Constitution to finance capital improvements, including, but not limited to, special benefit assessments levied pursuant to:
- (a) The Improvement Act of 1911, Division 7 (commencing with Section 5000) of the Streets and Highways Code.
 - (b) The Improvement Bond Act of 1915, Division 10 (commencing with Section 8500) of the Streets and Highways Code.
 - (c) The Municipal Improvement Act of 1913, Division 12 (commencing with Section 10000) of the Streets and Highways Code.
 - (d) Any other statutory authorization enacted in the future.
2084. Pursuant to Section 5 of Article XIID of the California Constitution and Section 53753.5 of the Government Code, any assessment existing on November 6, 1996, that was imposed exclusively to finance the capital costs or maintenance and operation expenses for vector control shall be exempt from the procedures and approval process set forth in Section 4 of Article XIID of the California Constitution and Section 2082. Subsequent increases in those assessments shall be subject to the procedures and approval process set forth in Section 4 of Article XIID of the California Constitution and Section 2082.
2085. (a) A board of trustees may charge a fee to cover the cost of any service that the district provides or the cost of enforcing any regulation for which the fee is charged. No fee shall exceed the costs reasonably borne by the district in providing the service or enforcing the regulation for which the fee is charged.
- (b) Before imposing or increasing any fee for property-related services, a board of trustees shall follow the procedures in Section 6 of Article XIID of the California Constitution.
 - (c) Notwithstanding Section 6103 of the Government Code, a board of trustees may charge a fee authorized by this section to other public agencies.
 - (d) A board of trustees may charge residents or taxpayers of the district a fee authorized by this section which is less than the fee that it charges to nonresidents or nontaxpayers of the district.
 - (e) A board of trustees may authorize district employees to waive the payment, in whole or in part, of a fee authorized by this section when the board of trustees determines that the payment would not be in the public interest. Before authorizing any waiver, a board of trustees shall adopt a resolution that specifies the policies and procedures governing waivers.

General Manager's Report for May 2024

1. The District's website had 24,614 views, 794 avg. per day, in May (24,665 web page views, avg. 822 per day, in April).
2. K. Schultz attended the Pacific Southwest Center of Excellence in Vector-Borne Diseases webinars on: "Effects of a novel OspA vaccine on Lyme disease pathogen acquisition and establishment in *Ixodes scapularis* and *Peromyscus maniculatus*" and "Vector-borne disease education in Arizona". 5/14.
3. GM Cabrera attended the EcoVenger webinar: "Keys to a Successful Mosquito & Tick Management Program". 5/15.
4. K. Schultz, J. Sprigg and GM Cabrera attended the meeting of the Goleta Slough Management Committee. 5/16.
5. K. Schultz and V. Ibarra participated in the MVCAC Southern Region Integrated Vector Management meeting online. 5/22.
6. GM Cabrera gave a presentation on mosquitoes and ticks at the Pesticide Applicators Professionals Association (PAPA) seminar for continuing education hours in Santa Maria. 5/23.
7. GM Cabrera participated in an online meeting of the MVCAC southern region managers. 5/30.

Upcoming:

1. Fiscal Year 2024-2025 begins July 1.
2. Independence Day. Office will be closed, Thursday, 7/4.