



Butte County Mosquito and Vector Control District

5117 Larkin Road • Oroville, CA 95965-9250
Phone: 530-533-6038 • Fax: 530-534-9916
www.BCMVCD.com

Matthew C. Ball
Manager

AGENDA

Regular Meeting of the Board of Trustees of the Butte County Mosquito and Vector Control District

(BCMVCD) Board Room, 444 Otterson Drive, Chico, CA 95928. The Board of Trustees is committed to making its proceedings accessible to all citizens. Individuals with special needs should call District staff at 530-533-6038 or 530-342-7350, Monday through Thursday, 6:00 a.m. to 4:30 p.m. to request disability-related modifications/accommodations or to request materials in alternate formats. All requests for special accommodations and/or alternative format documents must be made 48 hours prior to the meeting.

1. **Regular Board of Trustees Meeting Time:** 4:00 PM **Date:** September 11, 2024
2. **Call to Order** – 4:00 PM (Call Roll)
3. **Persons Wishing to Address the Board on Items Not on the Agenda (limit to 5 minutes):**
4. **Approval of Minutes of the Meeting of:** August 14, 2024
5. **Persons Wishing to Address the Board Pertaining to Closed Session Matters:**
6. **Closed Session Announcement (District Legal Counsel Present):** None
7. **Reports: (7.1 – 7.2)**
 - 7.1 **District Manager's Report**

The District Manager will provide a brief report on current District business and activities. The Manager will also report on District employees, meetings attended, and current projects.
 - 7.2 **District Departments Report**

The District Manager and District staff members present, will provide reports on all the business and activities of all the District's departments. District departments include, Entomology, Ground Operations, Aircraft Operations, and Public Information and Outreach.
8. **Policy Matters: (8.1)**
 - 8.1 **Consider a Capital Expenditure for the Rebuild of R-985-AN14B Engine**

The Board will be asked to consider a capital expenditure for the rebuild of the District's R-985-AN14B aircraft engine. The Board originally approved a quote of \$22,900.00 plus tax and fees at the November 9, 2022, Board meeting. After the engine was fully diagnosed the Board approved at the July 10, 2024, Board meeting \$25,000.00,

plus 20% for unforeseen repairs, plus freight, taxes, and applicable fees. The engine is now complete, and the Board will be asked to consider a capital expenditure for the rebuild in the amount of \$32,670.00 plus all taxes, freight, and applicable fees.

9. Topic of the Month:

The Board will hear a report from the District's Entomologist on the biology and control of *Aedes melanimon*.

10. Approve Payment of The Bills:

The Board will be asked to review the demands made upon the District for the past month and consider approving the payment of the bills.

11. Personnel: N/A

12. Correspondence:

The Board will review a letter sent to the Governor of the State of California.

13. Other Business: N/A

14. Persons Wishing to Address the Board Pertaining to Closed Session Matters: (14.1)

14.1 Labor Negotiations – CONFERENCE WITH LABOR NEGOTIATOR(s). Gov't. Code 54957.6.

District Designated Representative(s): District Manager Ball. Labor negotiations involving unrepresented employees of the Butte County Mosquito and Vector Control District; Assistant Manager, Administrative Manager; Regional Supervisor II & I; Pilot II; Entomologist II; Vector Ecologist / Fish Biologist; Office Assistant, and Mosquito and Vector Control Specialists.

15. Closed Session Matters (District Legal Counsel Not Present): N/A

16. Adjournment: (Next Regular Meeting of the BCMVCD Board of Trustees is October 9, 2024)

Regular Minutes of the Board of Trustees of the Butte County Mosquito and Vector Control District Meeting held August 14, 2024

Members Present: Darlene Fredericks, Andy Haymond, Philip LaRocca, Steve Ostling, Secretary Melissa Schuster, Eric Smith, Carl Starkey, and President Bo Sheppard.

Members Excused: Bruce Johnson and Dr. Larry Kirk.

Members Absent: None.

Also Present: District Manager Matt Ball, Assistant Manager Aaron Lumsden, Administrative Manager Maritza Sandoval, and Entomologist Amanda Bradford.

1. The Regular Meeting of the Board of Trustees of the Butte County Mosquito and Vector Control District was held on August 14, 2024, at 444 Otterson Drive, Chico, CA 95928.
2. The August 14, 2024, Butte County Mosquito and Vector Control District regular meeting of the Board of Trustees was called to order at 4:01 PM by President Sheppard.
3. Seeing and hearing no persons wishing to address the Board on items not on the agenda, President Sheppard proceeded to request approval of the minutes.
4. After review, it was then moved by Member LaRocca, seconded by Member Starkey, and passed unanimously with a vote of 6 ayes and 0 nays to approve the minutes of the Board of Trustees meeting held July 10, 2024, as written, with members Fredericks and Haymond abstaining due to their excused absences.
5. No persons wishing to address the Board on closed session matters.
6. No closed session matters needing legal counsel.
7. Reports (7.1 – 7.2)
- 7.1 Under item 7.1 of reports, District Manager's Report, the District Manager reported that on July 11, 2024, the District completed the monthly management meeting, staff meeting, and all vehicle inspections. The District's Safety Committee held their monthly meeting as well as management. The District Manager attended the MVCAC Summer Board meeting remotely via Zoom.

On July 15, 2024, the District's air compressor was tested and passed all inspections. This was the second test for the year as the first test was not submitted due to the contractor.

On July 17, 2024, the District Manager attended a meeting with Cal Rice, the Audubon Society, the Nature Conservancy, and Point Blue to review a Migratory Bird Conservation Partnership program where local property owners, including wetland owners and rice growers, will participate in a program to flood properties for shorebird habitat.

On July 18, 2024, the District Manager met with a representative of Central Life Sciences to discuss products, pricing, and product availability.

On July 23, 2024, District management and administrative staff attended a weekly meeting with Leading Edge and Associates to review the status of MapVision 3.0 and to discuss the needs still needing to be completed on the project.

On July 25, 2024, the District Manager met with a representative of Azelis to discuss products, pricing, and product availability.

On July 31, 2024, the District Manager met with the AB 896 working group to discuss wetlands, mosquito surveillance and control practices on wetlands, and reviewed several projects.

On August 1, 2024, the District had final inspections of the new above ground storage tank. The tank passed all inspections and tests, then finally received a successful delivery of avgas 100ll. The new tank is now operational.

On August 6, 2024, District management and administrative staff attended a weekly meeting with Leading Edge and Associates to review the status of MapVision 3.0 and to discuss the needs still needing to be completed on the project.

On August 12, 2024, District management attended the monthly West Nile Virus Task Force Meeting with Butte County Department of Public Health. The monthly meeting discusses mosquito

abundance surveillance, mosquito-borne disease surveillance, mosquito surveillance, and public education and outreach efforts.

On August 13, 2024, the District Manager reported that one of the District's planes crashed and the District's Pilot flying the aircraft was injured and was currently receiving medical treatment at Enloe Hospital.

- 7.2 Under item 7.2 of reports, the Assistant Manager reported that the District's New Jersey light traps have continued catching mosquitoes. According to the graph, *Culex pipiens* and *Culex tarsalis* populations are higher than the previous year currently but are lower than past years. *Anopheles freeborni* has begun to increase over the past month. Sentinel chicken sera samples are continuing to be taken biweekly. CO2 trapping has continued, and traps are being deployed routinely. Mosquito pools are being submitted for mosquito-borne disease. As of August 6th, 244 pools have been submitted: with 17 of those pools being positive. Also, *Aedes aegypti* has been detected a total of 42 times in Oroville, 41 times in Chico, 5 times in Thermalito, 3 times in Hamilton City, and 1 time in Biggs.

West Nile virus (WNV) activity has increased within the District's service area with a total of 3 positive humans, 4 dead birds 17 positive pools and 1 positive chicken coop. WNV has been identified in 5 human cases, 184 dead birds, 732 mosquito pools, 20 chickens, and 2 horses in California to date.

The District's four indoor fish tanks have undergone annual maintenance and are being prepared to be loaded with fish. The District's outdoor fishponds continue to produce high amounts of fish.

Mosquito and Vector Control Specialists (Specialists) have continued with mosquito surveillance and treatments in rock pits, dredger pits, flood water areas, agricultural, ditches, drains and urban sources. Service requests for inspections, fish, and treatments have increased over the past month with a total of 304 taken.

As of August 5th, the District has treated 6,083 acres of wetlands; compared to 6,149 acres at this time last year. The District has treated 27,015 acres of rice this year, compared to 36,496 acres at this time last year. The District has made 0 ULV adulticide treatments thus far, compared to 8 ULV adulticide treatments at this time last year.

The Public Relations (PR) Department is reviewing and updating (if needed) the District's website, brochures, photo and video files, and other informational documents. The District public service announcements continue to run on newspapers, radio, television, digital advertising, billboards, bus stop shelters, and on buses. On August 2, 2024, the District did a presentation for the Rotary Club in Chico.

After this final item of reports, President Sheppard asked the District Manager to proceed to policy matters.

8. Policy matters (8.1 – 8.3)

- 8.1 Under item 8.1 of policy matters, the Board was asked to consider a capital expenditure for an ultra-low upright freezer from Across International in the amount of \$6,880.00. The District Manager reported that this item was a necessity for the lab and that this item was budgeted for. It was then moved by Member LaRocca, seconded by Member Ostling, and passed unanimously with a vote of 8 ayes and 0 nays to approve the capital expenditure for ultra-low upright freezer from Across International in the amount of \$6,880.00.
- 8.2 Under item 8.2 of policy matters, the Board was asked to consider a capital expenditure for an electronic gate for the Chico Substation by The Door Company in the amount of \$8,333.00. The District Manager reported that this item was a necessity to comply with Homeland Security requirements and that this item was budgeted for. It was then moved by Member Smith, seconded by Member Schuster, and passed unanimously with a vote of 8 ayes and 0 nays to approve the capital expenditure for the electronic gate for the Chico Substation by The Door Company in the amount of \$8,333.00.
- 8.3 Under item 8.3 of policy matters, the Board was asked to consider amendment(s) to Personnel Policy, Policy 7062, Catastrophic Leave. The District Manager explained the reasoning for the additions and amendments and after some discussion, it was then moved by Member Schuster, seconded by Member Fredericks, and passed unanimously with a vote of 8 ayes and 0 nays to approve the recommended and proposed amendments and additions to Personnel Policy, Policy 7062, Catastrophic Leave.

9. Under topic of the month, the District's Entomologist gave a presentation on biology of *Anopheles freeborni*.
10. After reviewing the demands made upon the District for the past month, it was then moved by Member Starkey, seconded by Member Haymond, and passed unanimously with a vote of 8 ayes 0 nays to authorize checks numbered 54191 through 54331 be signed and distributed. Expenditures for the month totaled \$1,420,134.43.
11. Under personnel, the District Manager reported that David Brandley, Pilot, did not make the employee's probationary period.
13. Under items of correspondence, the Board reviewed a letter from CSDA, SDLF, stating that the District again had received the award of the Transparency Certificate of Excellence.
13. No other business to report.
14. No persons wishing to address the Board pertaining to closed session matters.
15. No closed session matters warranting legal counsel.
16. President Sheppard announced adjournment at 4:48 PM and concluded by stating that the next regular meeting of the BCMVCD Board of Trustees would meet at 4:00 PM on September 11, 2024, at the Chico Substation's Board Room at 444 Otterson Drive, Chico, CA 95928.

Respectfully submitted,

Melissa Schuster,
Secretary

On August 15, 2024, the District completed the monthly management meeting, staff meeting, and all vehicle inspections. The District's Safety Committee held their monthly meeting as well as management. Also on this date, 6633K was removed from the crash site and transported to the Plain Parts in Pleasant Grove.

On August 16, 2024, the District Manager attended the biweekly Legislative Regulatory Committee call. MVCAC lobbyists and committee members reviewed legislation and current regulatory issues throughout the state.

On August 20, 2024, District management and administrative staff attended a weekly meeting with Leading Edge and Associates to review the status of MapVision 3.0 and to discuss the needs still needing to be completed on the project.

On August 22, 2024, the National Transportation Safety Board's (NTSB) aircraft accident was submitted by the District and NTSB verified receipt of delivery.

As a reminder, the District was open and operating on Labor Day having a large majority of the staff willing to work the holiday.

On September 9, 2024, District management attended the monthly West Nile Virus Task Force Meeting with Butte County Department of Public Health. The monthly meeting discusses mosquito abundance surveillance, mosquito-borne disease surveillance, mosquito surveillance, and public education and outreach efforts.

LAB / VECTOR SURVEILLANCE: The District's New Jersey light traps have continued catching mosquitoes (Attachment #1). According to the graph, *Culex pipiens* and *Culex tarsalis* populations are lower than the previous year at this time. *Anopheles freeborni* populations are lower than the previous year at this time and have begun their downward trend. Sentinel chickens sera samples are continuing to be taken biweekly. CO2 trapping has continued and traps are being deployed routinely. Mosquito pools are being submitted for mosquito-borne disease. As of September 4th, 348 pools have been submitted; with 58 of those pools being positive. Also, *Aedes aegypti* has been detected a total of 79 times in Chico, 53 times in Oroville, 41 times in Thermalito, 8 times in Hamilton City, 1 time in Paradise, and 1 time in Biggs.

VIRUS SURVEILLANCE: West Nile virus (WNV) activity has increased within the District's service area with a total of 7 positive human, 4 dead birds, 58 positive pools, and 19 positive chickens. WNV has been identified in 27 human cases (3 fatal), 352 dead birds, 1,386 mosquito pools, 75 chickens, and 5 horses in California to date (Attachment #2).

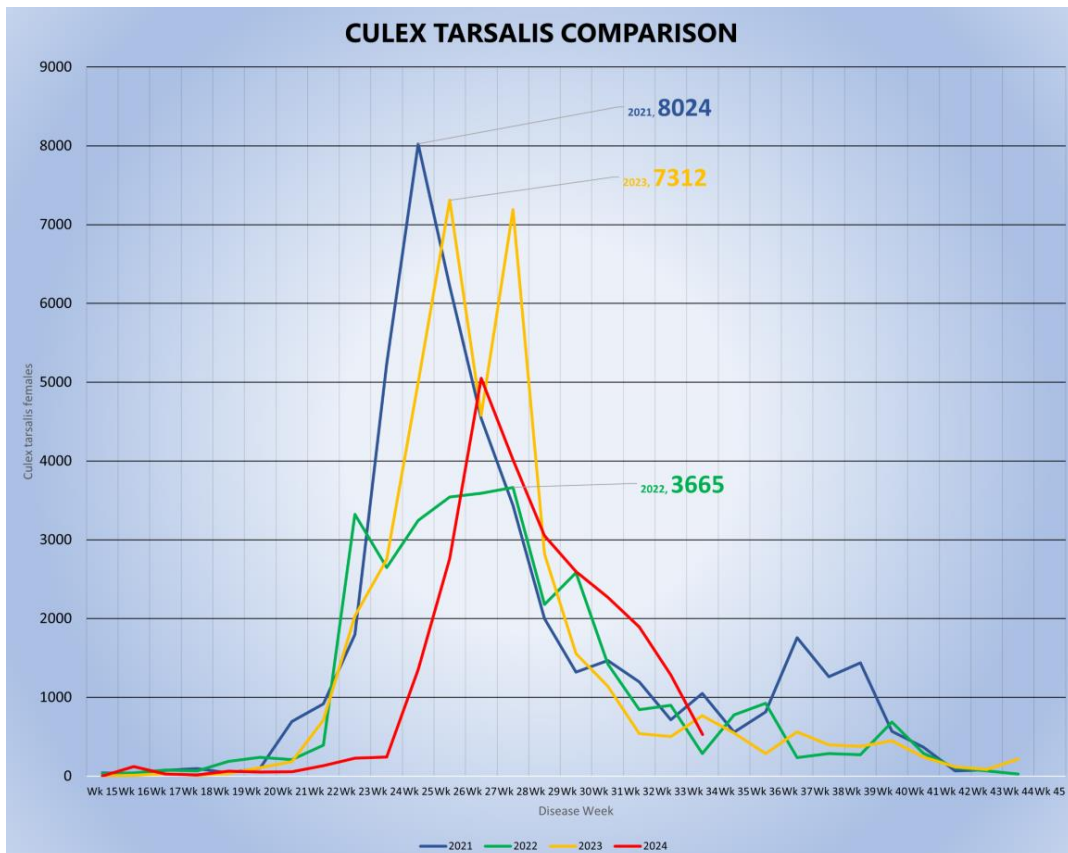
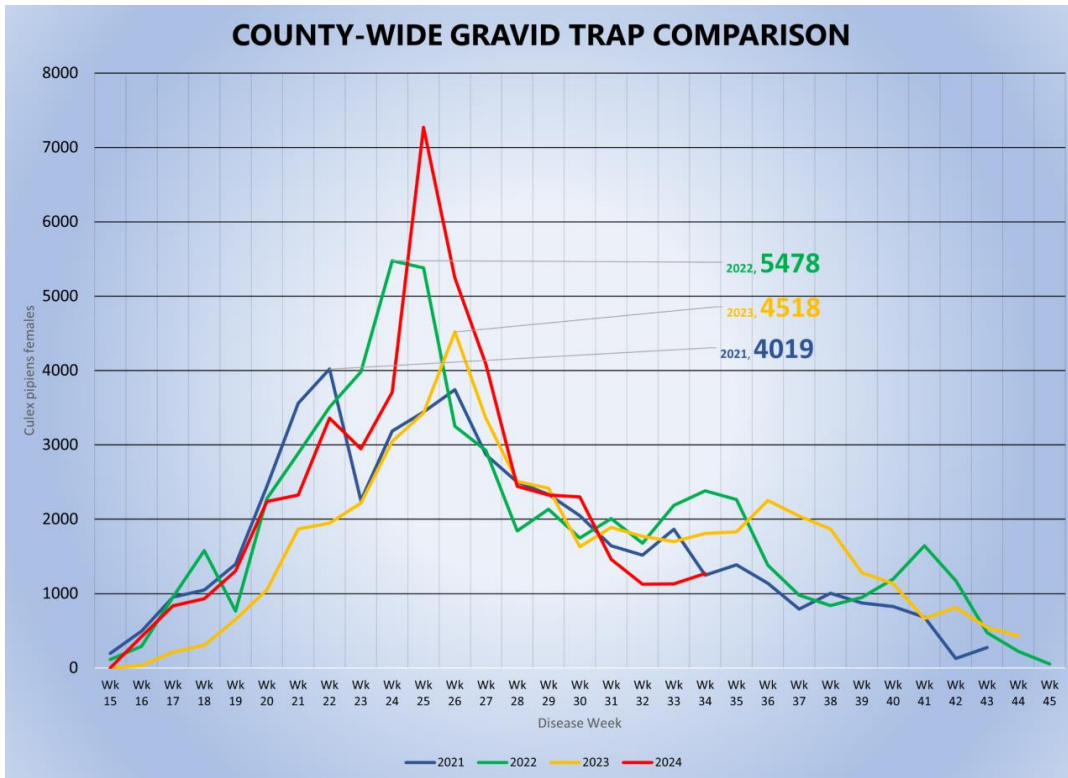
MOSQUITOFISH OPERATIONS: The District's four indoor fish tanks have been re-stocked with fish and are ready to produce when the outdoor fish ponds shut down for the season. The District's outdoor fish ponds continue to produce high amounts of fish.

CONTROL OPERATIONS: Mosquito and Vector Control Specialists (Specialists) have continued with mosquito surveillance and treatments in rock pits, dredger pits, flood water areas, agricultural, ditches, drains and urban sources. Service requests for inspections, fish, and treatments have increased over the past month with a total of 541 taken.

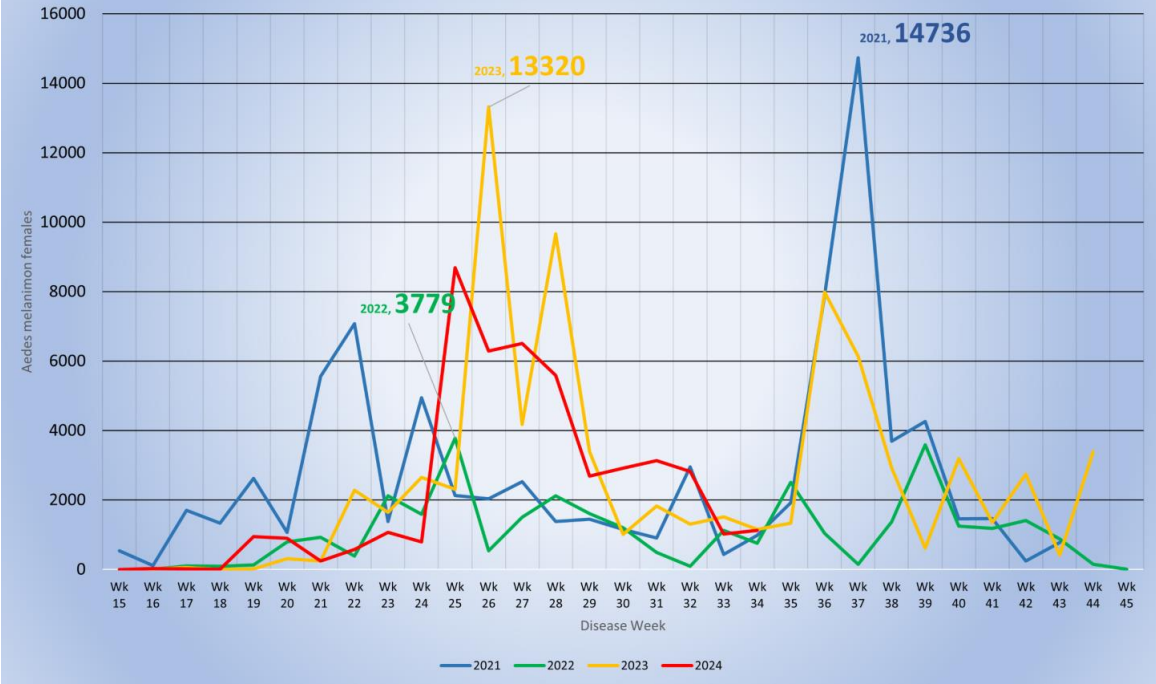
AIRCRAFT OPERATIONS: As of September 4th, the District has treated 8,450 acres of wetlands; compared to 7,748 acres at this time last year. The District has treated 45,967 acres of rice this year, compared to 55,740 acres at this time last year. The District has made 0 ULV adulticide treatments thus far, compared to 13 ULV adulticide treatments at this time last year.

PUBLIC INFORMATION & OUTREACH: The Public Relations (PR) Department is reviewing and updating (if needed) the District's website, brochures, photo and video files, and other informational documents. The District public service announcements continue to run on newspapers, radio, television, digital advertising, billboards, bus stop shelters, and on buses. On September 28th, the District is planning on attending the Salmon Festival in Oroville.

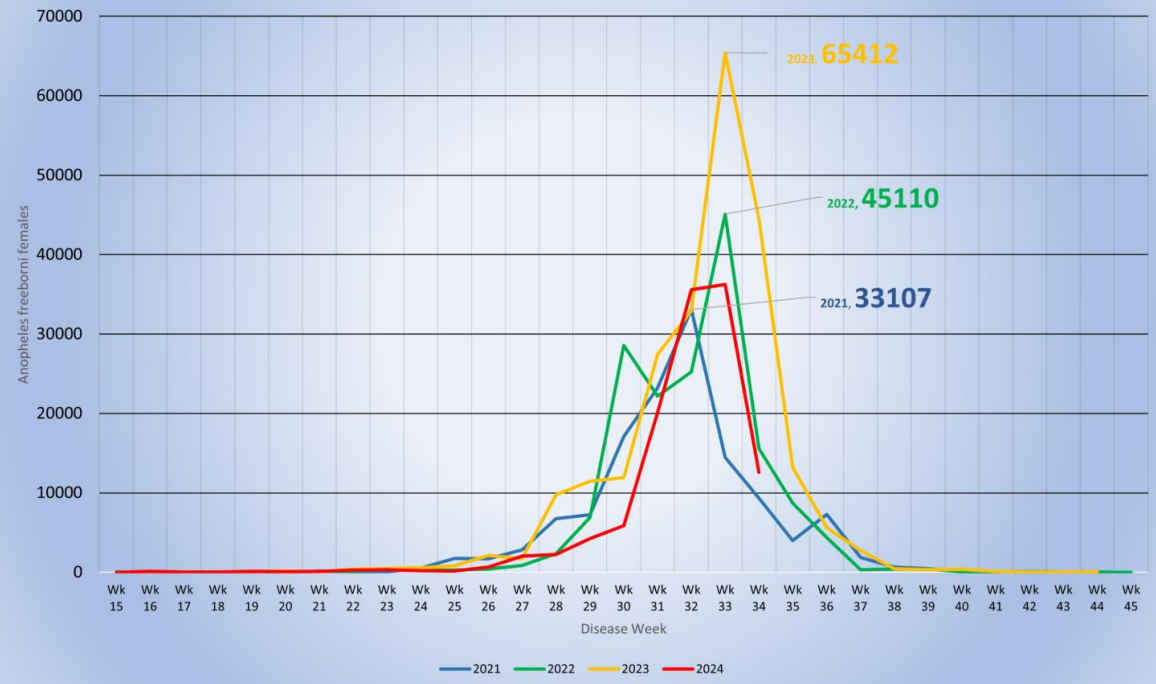
Attachment #1



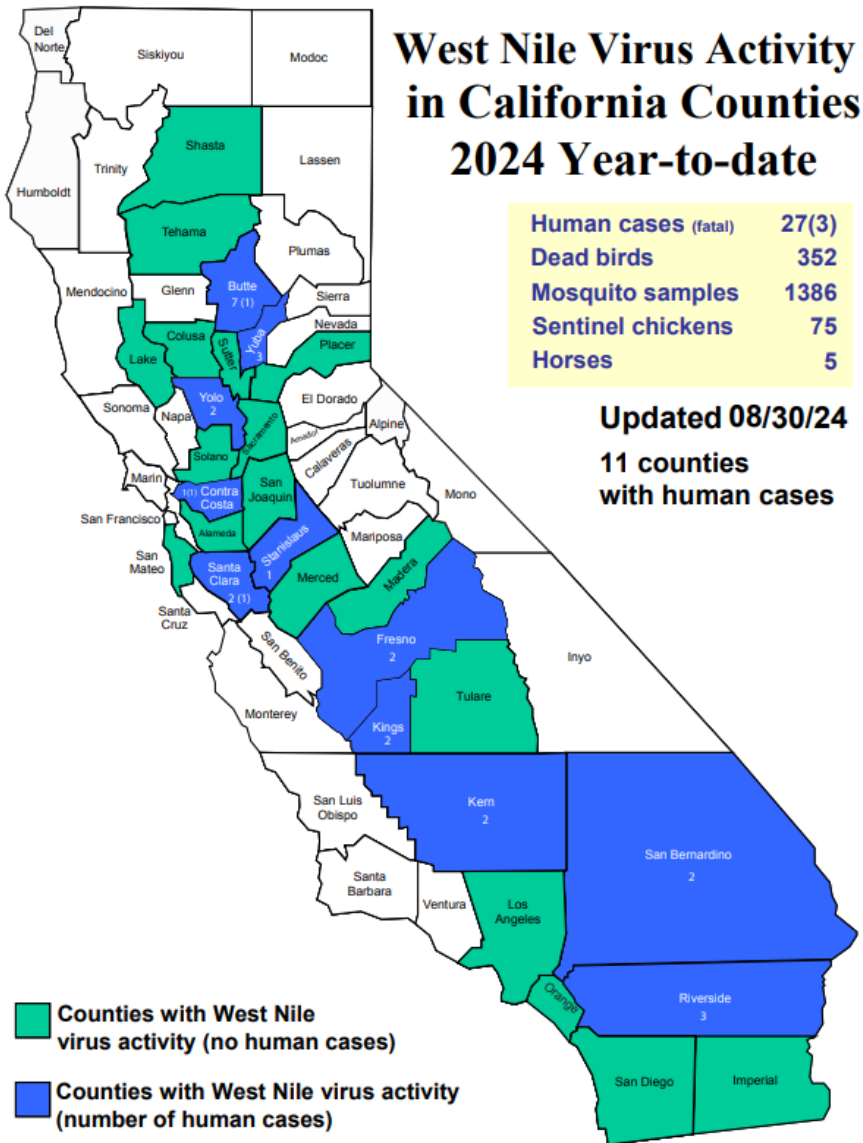
AEDES MELANIMON COMPARISON



ANOPHELES FREEBORNI COMPARISON



Attachment # 2



	Humans	Horses	Dead Birds	Dead Squirrels	Mosquito Pools	Sentinel Chickens
2004	7	18	118	0	1	50
2005	25	7	79	0	4	15
2006	34	0	40	1	1	49
2007	16	0	27	0	5	32
2008	6	0	38	0	5	31
2009	2	0	13	0	5	36
2010	1	1	6	1	7	7
2011	3	0	0	0	1	20
2012	10	2	53	2	27	43
2013	24	0	42	1	38	57
2014	25	0	22	0	43	37
2015	55	0	38	0	101	37
2016	21	0	22	0	48	38
2017	3	0	5	0	49	31
2018	12	0	4	0	49	37
2019	5	0	1	0	45	34
2020	4	1	4	0	31	23
2021	12	0	2	0	80	26
2022	3	0	2	0	39	26
2023	18	1	2	0	70	31
2024	7	0	4	0	58	19
Totals	286	30	518	5	649	661



Aero Recip (Canada) LTD
 540 Marjorie Street
 Winnipeg, MB R3H 0S9
 Canada
 Ph: 1-800-561-5544, Fax: (204) 786-2775
 info@aerorecip.com

Work Order Invoice

Billing #: W12978
 Work Order #: E2303601
 Date Printed: 8/26/2024
 Tail #:
 Serial #: 18124
 Page: 1

To: BUTTE COUNTY MOSQUITO
 5117 Larkin Road
 Oroville, CA 95965-9250
 UNITED STATES

Ship To: Butte County Mosquito and Vector Control District

Ref #: Code: 5276 Site: Invoice Date: 8/26/2024 Terms: WIRE

Description	Qty	Unit Price	Ext. Price
WO E2303601 PN R-985-AN-3 - ENGINE REPAIR	1.00	\$30,870.00	\$30,870.00

Note: REPAIRED DUE TO VIBRATION

ENGINE WAS DISMANTLED, CLEANED, INSPECTED, REASSEMBLED AND DYNO TESTED

PARTS REPLACED INCLUDE:
 NEW REAR AND FRONT MAIN BEARINGS
 NEW THRUST BEARING
 O/H MASTER ROD BEARING
 NEW CRANKSHAFT LINERS
 O/H FRONT AND REAR HARNESS
 INSPECTED AND REPAIRED BOTH MAGS
 NEW GASKETS

Charges			
FREIGHT	1.00	\$1,800.00	\$1,800.00
Charges Total:			\$1,800.00

Tax Total:

Code Tax

GST# 1006 7768 RJ0001

Authorized Signature:

Sub Total: \$32,670.00
Tax Total: \$.00
WO Total: \$32,670.00

Payable in USD



Butte County Mosquito and Vector Control District

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Matthew C. Ball
Manager

September 4, 2024

Governor Gavin Newsom
State of California
State Capitol, First Floor
Sacramento, CA 95814

Re: SB 1251 (Stern) - Signature Request

Dear Governor Newsom:

On behalf of the Butte County Mosquito and Vector Control District, I write to request your signature on the Mosquito and Vector Control Association's (MVCAC) sponsored legislation, SB 1251 (Stern). SB 1251 would compel electrical utility providers to enter into jointly developed vector management agreements upon request of the mosquito control agency, for purposes of mosquito surveillance, treatment, and post-treatment inspections. SB 1251 would allow for these agreements to be entered into within six months of the mosquito control agency's request, a fair amount of time for such an agreement to be executed. SB 1251 provides best practice guidelines, as opposed to a one-size-fits-all mandate so electrical utility providers can work collaboratively with mosquito control agencies to protect public health.

Disease-spreading mosquitoes are a major threat in our state, and utility vaults are widely reported by mosquito control professionals to be one of the most problematic sources of mosquito production due to access issues. In 2003, California saw its first cases of West Nile virus; since then, there have been over 8,000 human West Nile cases statewide. A new challenge arose in 2010, the arrival and establishment of invasive mosquitoes capable of transmitting pathogens like dengue and Zika virus. This threat was fully realized in 2023 with two local transmissions of dengue in Los Angeles County. MVCAC members are experts at detecting the sources of mosquito production, and utility vaults are frequently identified in this process.

Utility vaults are enclosures above or below ground owned by an electrical utility provider and water accumulation can be a byproduct of the design. Three-quarters of MVCAC members reported mosquito production issues in utility vaults, and less than one-third had sufficient access for operational needs. Less than half are able to obtain the locations of utility vaults within their district.

Where certain sources pose a recurring nuisance, mosquito control agencies can pursue statutory abatement against property owners to recover the costs of control and to assess civil penalties. This is reflected in long-standing Health and Safety Code (Section 2060), but has been used sparingly, given the legal and cost-sharing ramifications abatement orders can pose. Additionally, state Public Utility Code 8055 prohibits accumulation of standing water in utility vaults and calls for such enclosures to be kept in a sanitary condition.

Mosquito control agencies report mixed results in attempting to locate or access utility vaults, and a streamlined process to improve safe access and communication would remove many barriers to operations. Some agencies have received comprehensive data on vault locations and types and have been granted restricted access to vaults, with approved training and equipment. However, this is not the norm, and allowing mosquito control agencies to request jointly-developed agreements with electrical utility providers within a reasonable amount of time is needed.

For those reasons, we respectfully request your signature on SB 1251. Please contact me at 530-533-6038 or Vanessa Cajina with KP Public Affairs at vcajina@ka-pow.com if you have any questions. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read 'Matthew C. Ball', with a stylized flourish at the end.

Matthew C. Ball
District Manager
Butte County MVCD