

**PLACER MOSQUITO & VECTOR CONTROL DISTRICT
BOARD OF TRUSTEES**

2021 Opportunity Drive
Roseville, CA 95678

**REGULAR BOARD MEETING
AGENDA**

September 16, 2024, 4:30 PM

www.placermosquito.org

This meeting will be conducted in person and via teleconference. Trustees may, as provided by law, participate remotely under some circumstances. The Board encourages the public to participate remotely by calling (408) 638-0968 and when prompted, enter the Meeting ID: 845 0144 6788 or <https://us06web.zoom.us/j/84501446788>

Page

[Board of Trustees](#)

Sandy Bendorf
City of Auburn

Will Stockwin
City of Colfax

Peter Gilbert
City of Lincoln

Russ Kelley
Town of Loomis

Merry L. Holliday-
Hanson, Ph.D.
Placer County

Jill Gayaldo
City of Rocklin

Ross Hutchings
City of Roseville

General Manager
Joel Buettner

- | | | | |
|-------|-----------|---|--|
| | 1 | Call to Order | |
| | 2 | Roll Call | |
| | 3 | Pledge of Allegiance | |
| | 4 | Introduction of Guests | |
| | 5 | Agenda Review | |
| | 6 | Public Comment | <i>Members of the public shall be allowed to address the Board of Trustees on items which are of interest to public and which are within the jurisdiction of the Board, before or during the Board's consideration of the item; however, no action shall be taken on any item not appearing on the agenda unless otherwise authorized by the Board pursuant to Government Code Section 54954.2(b). It is requested that comments be limited to no more than 5 minutes.</i> |
| | 7 | Consent Agenda – Action item | |
| 3-4 | | A. Minutes of the August 19, 2024, Regular Board Meeting | |
| | 8 | Staff Reports | |
| | | A. Eastern Placer Report – Angella Falco | |
| 5-9 | | B. Field Operations and Surveillance Report – Jake Hartle | |
| 11-12 | | C. General Manager's Report – Joel Buettner | |
| | 9 | Board/Staff General Discussion | |
| | 10 | Closed Session | |
| | | A. Public employee performance evaluation: General Manager (<i>pursuant to Government Code Section 54957</i>). | |
| | 11 | Announcements | |
| | | A. The next regular Board meeting will be held October 21, 2024, at 4:30 PM at 2021 Opportunity Drive., Roseville, CA 95678 | |

12 Adjournment

In compliance with the Americans with Disabilities Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact the District at (888) 768-2343, fax (916) 380-5455, and/or send e-mail to info@placermosquito.org. Requests must be made as early as possible and at least one-full business day before the start of the meeting. Documents and materials relating to an open session agenda item that are provided to the PMVCD Board less than 72 hours prior to a meeting will be available for public inspection and copying at 2021 Opportunity Drive, Roseville, CA 95678.

Placer Mosquito & Vector Control District
Board of Trustees Special Board Meeting – Minutes
August 19, 2024, 4:00 PM
Placer Mosquito & Vector Control District Office
2021 Opportunity Drive, Roseville, CA 95678

This meeting will be conducted in person and via teleconference. Trustees may, as provided by law, participate remotely under some circumstances. The Board encourages the public to participate remotely by calling (408) 638-0968 and when prompted, enter the Meeting ID: 825 3154 2054 or <https://us06web.zoom.us/j/82531542054>

1. **Call to Order:** President Hutchings called the meeting to order at 4:30 PM.
2. **Roll Call:** Trustees Sandy Bendorf, Peter Gilbert, Merry Holliday-Hanson, Ross Hutchings, Russ Kelley, Jill Gayaldo and Will Stockwin were present.
District Employees Present: Manager Joel Buettner, Jake Hartle, Nikki Rockwell, Raneen Abdelrahman and Talene Abdelrahman.
Public Attendance: David Hosbein, Owner Operator of Mosquito Joe, Meagan Luevano
3. **Pledge of Allegiance** was led by Ross Hutchings.
4. **Introduction of Guest:** Raneen Abdelrahman and Talene Abdelrahman, Social Media Interns were introduced.
5. **Agenda Review:** The Board accepted the agenda as presented.
6. **Public Comment:** There were none.
7. **Social Media Intern Presentation – Raneen Abdelrahman**
Ms. Abdelrahman Presented her Social Media Presentation.
8. **Social Media Intern Presentation – Talene Abdelrahman**
Ms. Abdelrahman Presented her Social Media Presentation.
9. **Consent Agenda**
 - A. Minutes of the July 15, 2024, Regular Board Meetings
 - B. Acknowledge Warrants Issued July 2024
 - C. Financial Report: Preliminary Budget to Actuals as of June 30, 2024

A motion to approve the consent agenda was made by Trustee Stockwin seconded by Trustee Kelley, Unanimously approved
Ayes: Trustees Bendorf, Gilbert, Holliday-Hanson, Hutchings, Kelley, and Stockwin
Noes: ∅ Abstain: Trustee Gayaldo Absent: ∅
10. **Board Review and Consideration to Accept General Manager’s Nomination for The American Mosquito Control Association Vice President Position**

A motion to accept Manager Buettner’s nomination for AMCA vice president was made by Trustee Gilbert, seconded by Trustee Bendorf, Unanimously approved, no abstentions
Ayes: Trustees Bendorf, Gilbert, Holliday-Hanson, Hutchings, Kelley, Gayaldo, and Stockwin
Noes: ∅ Abstain: ∅ Absent: ∅

11. Staff Reports

- A. Eastern Placer Report – Jake Hartle gave a verbal update.
- B. Public Information and Outreach Report – A written report was submitted. No additional items were reported.
- C. Field Operations and Surveillance Report – A written report was submitted. No additional items were reported.
- D. General Manager Report – A written report was submitted. No additional items were reported.

12. Board/Staff General Discussion: There was none.

13. Announcements

- A. The District office will be closed on September 2, 2024 in observance of the Labor Day Holiday.
- B. The next regular Board meeting will be held September 16, 2024, at 4:30 PM at 2021 Opportunity Drive., Roseville, CA 95678

14. Adjournment:

President Hutchings adjourned the meeting at 5:16 PM.

Minutes approved by the Board and dated, this 16th day of September 2024 after passage.

Ross Hutchings, Board President: _____

Attest:

Joel Buettner, General Manager: _____



Field Operations and Surveillance Report

Prepared September 9, 2024

Assistant Manager: Jake Hartle

Supervisors: Mike Ashley, Casey Hubble, Scott Schon, Phil Spinks

Mosquito Surveillance & Vector-borne Disease Testing

• Adult Mosquito Abundance

- *Culex tarsalis* abundance trended downward the past couple of weeks (Figure 1). This decrease is due to rice fields being drained of water and prepared for harvest decreasing the main larval sources.
- *Culex pipiens*, after several weeks of high adult abundance, their population is decreasing and are expected to continue to decrease over the next couple of weeks (Figure 2).
- *Anopheles freeborni* detections are consistent with the timing in previous years but are being collected at a higher abundance (Figure 3).
 - Rice fields are a main source of *An. freeborni* larval production for this species. As the rice harvest begins, this species will migrate into the urban areas where they will as they seek harborage in and around manmade structures such as houses and garages to overwinter.

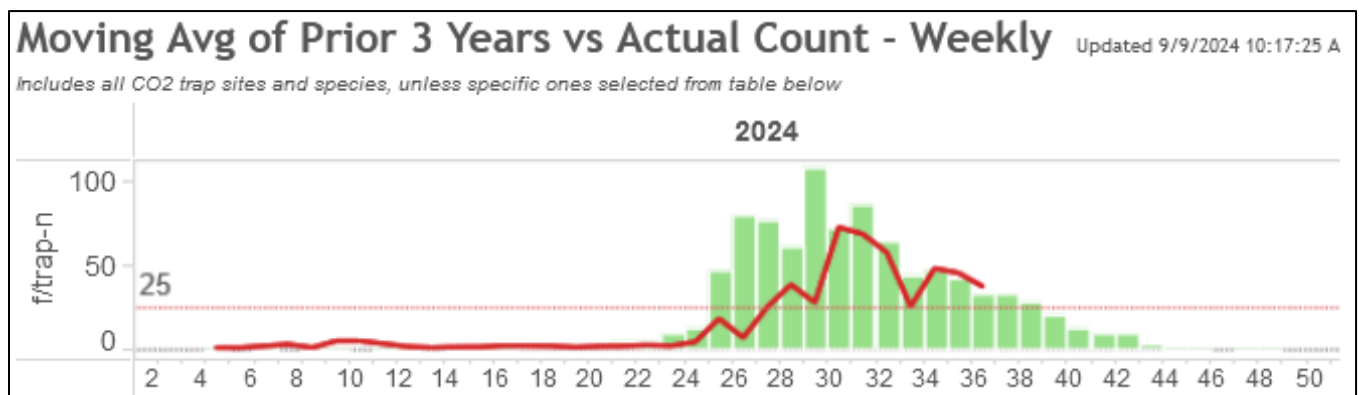


Figure 1: *Culex tarsalis* adult mosquito count per trap night (red line), compared to the three-year average (green bars) by calendar weeks. (Week 36 represents September 1-7)

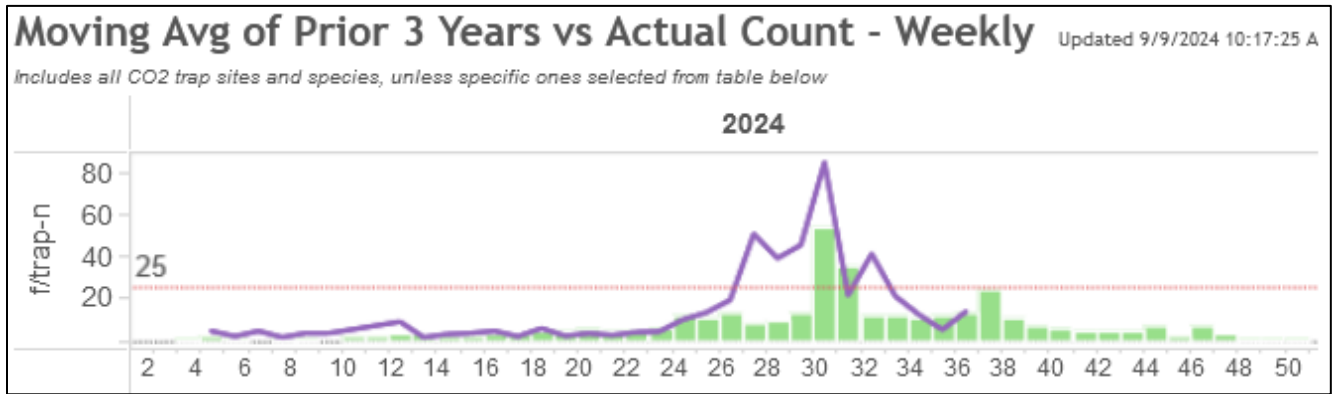


Figure 2: *Culex pipiens* adult mosquito count per trap night (purple line), compared to the three-year average (green bars) by calendar weeks. (Week 36 represents September 1-7)

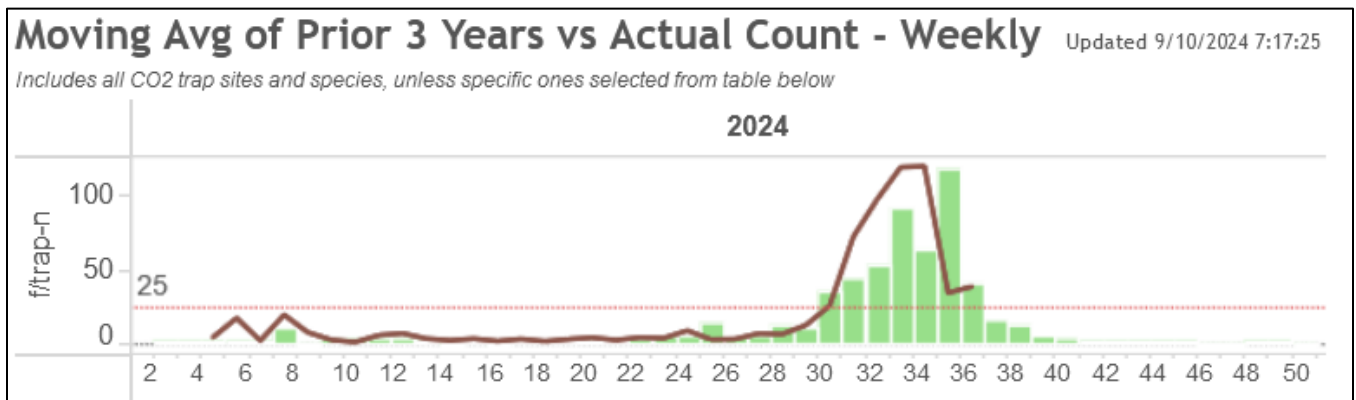


Figure 3: *Anopheles freeborni* adult mosquito count per trap night (brown line), compared to the three-year average (green bars) by calendar weeks. (Week 36 represents September 1-7)

- Vector-borne Disease Testing**

- There have been 81 (6.0%) WNV mosquito samples and 2 (2.6%) WNV positive dead birds detected in Placer County so far this year.

Positive Detections for 2024 Year to Date (January 1- September 09)			
	WNV	SLE	WEE
Mosquito Samples	81/1347 (6.0%)	0	0
Dead Birds	2/77 (2.6%)	0	0

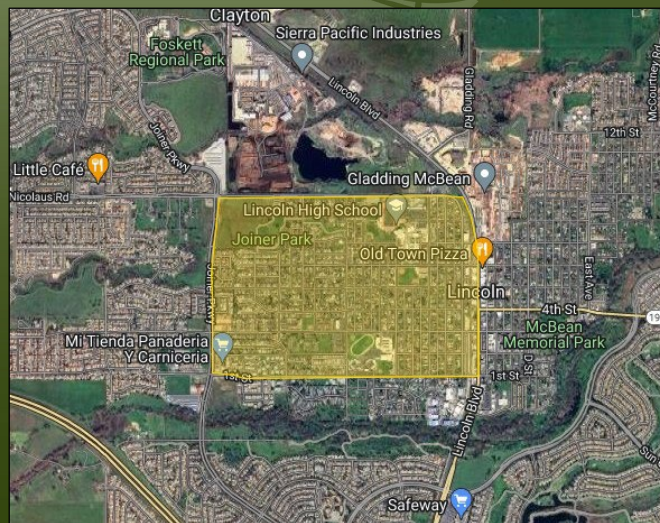
- **Invasive *Aedes*:**

- Lincoln, CA: 1st time detection

- On September 6, an *Aedes aegypti* was detected in Lincoln for the first time in the city. Staff completed parcel inspections plans in response.
 - This initial detection is in addition to new detections in Roseville, and first-time detections and Rocklin.
 - We continue to monitor all neighborhoods with *Aedes aegypti* detections and endemic populations and make treatments to reduce the populations as necessary.

INVASIVE *Aedes* : City Of Lincoln

Yellow : 2024 detection
 • North Central Lincoln



Operations

- **Aerial Adulticide:**

- This season, in response to high adult *Culex tarsalis* abundance and positive West Nile virus mosquitoes, 10 aerial adulticide applications were made, treating approximately 85,939 acres in 2024.

Aerial Adulticide: Acres Treated					
	June	July	August	Sept. 1- 4	Total
Acres Treated	0	28,112	47,213	10,614	85,939



- **Aerial Larvicide:**

- On September 2nd, we concluded our aerial larvicide treatments to the rice.

2024 Aerial Larvicide: Total Rice Acres Treated					
	June	July	August	September	Total
Conventional Rice	13,676	24091	22396	1590	61,753
Organic Rice	3,300	12997	11683	0	27,980

- **Ground Adulticide and Larvicide:**

- In response to WNV positive samples and invasive *Aedes* detections we have larvicide a total of 1,673 acres and 4,081 acres by truck applications in 2024.

Ground Truck Applications: Acres Treated				
	June	July	August	Total
Larvicide	873	800	1900	3573
Adulticide	1156	2925	2332	6413

- **Catch Basin Treatments**

- In August, field technicians and assistants inspected 3,354 catch basins. Catch basins are a primary source of *Culex pipiens*, one of the major vectors of WNV.

- **Mosquito Source Work:**

- 70 service requests completed.
- Visited 1476 mosquito sources.
 - Treated nearly 679 mosquito sources

- **Unmanned Aircraft Systems (UAS):**

- 17 Missions totaling 140 flights in August 2024
 - 15 aerial larvicide missions total 208.25 acres treated.
 - Habitats include Roseville Wastewater Treatment Plant, dairy, wetland, and conventional rice fields
- 2 test flight missions.

- **Biological Control- Fisheries**

- 72 applications totaling 3,279 mosquitofish, *Gambusia affinis* stocked for biological control.



	August 2024	2024 Season to 31 August	2023 Season to 31 August
Adult mosquitofish stocked	3,279 (7.3 lbs)	14,166 (31.5 lbs)	15,318 (34.0 lbs)
Fry produced in-house	13,281 (29.5 lbs)	36,861 (81.9 lbs)	1,837 (4.1 lbs)
Fish harvested from the wild	0 (0.0 lbs)	15,300 (34.0 lbs)	40,500 (90.0 lbs)
<i>Weights given with the assumption of 450 adult fish per pound.</i>			
Report Date	Current Year	Prior Year	
31 Aug 2024	2024	2023	

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General Manager's Report

Joel Buettner, General Manager

09/10/2024

- **Travel-acquired Dengue case was reported** to the District several weeks ago. This is the first time we have had a report of this kind, and responded by performing exploratory invasive mosquito trapping in the area without finding any invasive mosquitoes in the immediate area. However, we have since detected small numbers of invasive mosquitoes for the first time in adjacent neighborhoods. We have developed a procedure based on CDC and MVCAC guidelines to respond to human cases of invasive mosquito-borne diseases reported to us by Placer County HHS. These diseases include but are not limited to:
 - *Aedes aegypti*-vectored Diseases: Dengue, Chikungunya, Yellow Fever, Zika
 - *Anopheles spp.*-vectored disease: Malaria
- **Social Media posts** have been on-going this last month. Our interns Talene and Raneen have been doing a great job with weekly posts and longer videos. Please check out the district's social media on Facebook and Instagram. I particularly like the Alexander the Great video highlighting mosquito borne illness and the mosquito life cycle series.
- **Travel Budget** for FY 24/25 has a couple of errors that will need to be addressed. I was recently reviewing the travel budget and noticed that the calculations for estimating travel costs to meetings was not working correctly. This caused the travel budget to be around \$6,600 below what our estimated needs were for FY 24/25. This is particularly problematic, since we have been planning to send field technicians to one day of the MVCAC annual conference this year in Oakland. Our past practice has been to encourage participation of district staff when the MVCAC conference is in Sacramento. Unfortunately, it has been some time since it was in Sacramento, and there are no plans to bring it back locally in the foreseeable future, and many of our staff have expressed interest in attending an MVCAC conference. We had also planned to send Jake and Isabel to professional development meetings, CalPERS Education Forum, and CSDA Board Secretary Conference, respectively, to support some of their newer job duties. These additions along with some updated meeting costs result in an approximately \$5,300 increase in cost for travel in addition to the previous amount. This totals approximately \$11,900. I will be putting together options to address this for informal discussion at the board meeting which will likely include a budget amendment.
- **Northwest Mosquito and Vector Control Association** has invited me to present at a drone roundtable in January. In light of the previous travel budget issue, I am holding off accepting this invitation until the travel budget issue is resolved. Please see attached flyer.

UPCOMING EVENTS

- **MVCAC Planning & Committee Meetings** – December 2-4, 2024 – San Diego
- **Northwest Mosquito and Vector Control Association Annual Meeting**- January 21-22, 2025-Pasco, WA
- **MVCAC Annual Conference** – January 26-29, 2025 – Oakland
- **VCJPA Annual Workshop** – February 27, 2025- Santa Cruz
- **AMCA Annual Conference** – March 3-5, 2025 - San Juan, Puerto Rico



NWMVCA PRESENTS DRONE ROUND TABLE MEETING 2025

4th Annual Meeting

DATES

JANUARY 21ST, 2025
8:00 AM TO 5:00 PM
(LUNCH PROVIDED)

JANUARY 22ND, 2025
8:00 AM TO 12:00 PM



Event Details

Please join on January 21st-22nd, 2025 for the 4th Annual NWVCA Accredited Drone Round Table to share ideas and experiences with other UAS users from around the nation.

Airport: (KPSC/Pasco) is located 0.4 Miles away from the Red Lion Hotel & Conference Center in Pasco, WA 99301.

Hotel: Rooms are available starting at \$118/night at the Red Lion Hotel and Conference Center located in Pasco, WA 99301. Call (509) 547-0701 for reservations.

Activites

- Hear updates from Industry and Non- Industry UAS Programs and Vendors from around the country.
- Group Social: January 21st; On-site from 6:00 PM-9:00 PM
- Interesting Content
- Updates on UAS Regulations

For more information contact Franklin County Mosquito Control @ (509) 545-4083 or email

asage@fcmcd.org