

**CHURCHILL COUNTY MOSQUITO, VECTOR, & NOXIOUS WEED ABATEMENT  
DISTRICT**

**BOARD OF TRUSTEES**

**CHURCHILL COUNTY, NEVADA**

**7400 Reno Highway**

**Fallon, Nevada 89406**

**(775) 423 – 2828**

**Fax: (775) 428 – 2829**

**E-mail: [servicerequest@ccmosquito.org](mailto:servicerequest@ccmosquito.org)**

**Website: [ccmosquito.org](http://ccmosquito.org)**

**\*\*\*NOTICE OF PUBLIC MEETING\*\*\***

*Please Post*

**MEETING PLACE: Churchill County Administration Complex  
155 North Taylor, Fallon, Nevada, Room 102**

**DATE: Thursday the 12<sup>th</sup> of September 2024**

**TIME: 5:30 P.M.**

**TYPE OF MEETING: August 2024 Operation Report**

**Notes:**

1. This meeting is subject to all provisions of Nevada Open Meeting Law (NRS Chapter 241). Except as otherwise provided for by law, this meeting is open and public.
2. Action **will** be taken on all agenda items unless otherwise noted.
3. The agenda is a tentative schedule. The Churchill County Mosquito, Vector, and Noxious Weed Abatement District Board of Trustees may act upon the people's business in the most efficient manner possible.
4. In the interest of time, the Churchill County Mosquito, Vector, and Noxious Weed Abatement District Board of Trustees reserves the right to impose uniform time limits upon matters devoted to public comment.
5. Any statement made by a member of the Churchill County Mosquito, Vector, and Noxious Weed Abatement District Board of Trustee during the public meeting is absolutely privileged.

**Agenda:**

1. **Call to Order.**
2. **Pledge of Allegiance.**
3. **Public Comment.**
4. **Review and Adoption of Agenda.**

**5. Discussion and Approval of Minutes from August 14th, 2024.**

**6. Certificate of Posting.**

**7. Correspondence.**

1. August 8, 2024 – Laura Morrow – Positive West Nile virus pool.
2. August 9, 2024 – Laura Morrow – Nevada Arbovirus update.
3. August 30, 2024 – California Arbovirus Bulletin
4. Fall 2024 – Wing Beats cover page

**8. Appointments.**

**9. Old Business.**

1. Discussion and possible action regarding the status of the hiring process for the District Manager.

**10. New Business.**

1. Discussion and possible action regarding the purchase of a plaque to honor past and current Board members with a price for engraving work and a second plaque not to exceed \$1,000.00.

**11. District Manager's Report and Operations Review.**

**12. Board Members' Report.**

**13. Any Requests for Future Agenda Items.**

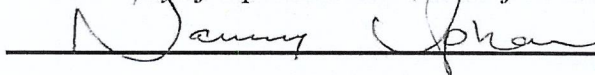
**14. Expenditures.**

Discussion and possible action for August 2024 Expenditures.

**15. Public Comment.**

**16. Adjournment.**

*I, Nancy Upham, on behalf of the Churchill County Mosquito, Vector, and Noxious Weed Abatement District Board of Trustees, do hereby certify that I posted, or caused to be posted, a copy of this notice of public meeting, at approximately 9 AM on the 9<sup>th</sup> day of September 2024, at the following location:*

  
\_\_\_\_\_

1. District Office 7400 Reno Highway, Fallon, Nevada
2. Churchill County Law Enforcement Facility, 73 N. Maine St. Fallon, Nevada

3. *Churchill County Administrative Office Complex, 155 N. Taylor St. Fallon, Nevada*
4. *Churchill County Website @ <https://churchillcounty.org>*
5. *The State of Nevada Website @ <https://notice.nv.gov/>*

**Disclosures:**

- \* Churchill County Mosquito, Vector, and Noxious Weed Abatement District is an equal opportunity provider and employer.
- \* Any witness who is testifying before a public body is absolutely privileged to publish defamatory matters as a part of the public meeting, except that it is unlawful to misrepresent any fact when testifying.
- \* The contact person for the information is District Manager, Nancy Upham at (775) 423-2828.

**Accommodations:**

Churchill County Mosquito, Vector, and Noxious Weed Abatement District will make all reasonable efforts to assist and accommodate physically handicapped persons desiring to attend. Persons who are disabled and require special assistance may contact the Churchill County Mosquito, Vector, and Noxious Weed Abatement District Board of Trustees in writing at 7400 Reno Highway, Fallon, Nevada 89406, or by calling (775) 423-2828.

**Procedures:**

- \* The public meeting may be conducted according to the rules of parliamentary procedure.
- \* Matters set upon the "consent agenda" may be discussed and considered as part of new business as necessary.
- \* Persons providing public comment will be asked to state their name for the record.
- \* Persons providing testimony during a public hearing will be sworn as witnesses.
- \* The Churchill County Mosquito, Vector, and Noxious Weed Abatement District Board of Trustees reserves the right to restrict participation by persons in the public meeting where the conduct of such persons is willfully disruptive to the people's business.
- \* Appointments need to be made to the District Manager at least four (4) working days before the meeting date.
- \* If desired, the public is allowed to speak for three minutes maximum after each action item.
- \* Items on the agenda may be taken out of order.
- \* The public body may combine two or more agenda items for consideration.
- \* The public body may remove an item from the agenda or delay discussion relating to an item on the agenda at any time.

**Public Records:**

- \* An audio tape recording of this meeting will be made and preserved for a period of one (1) year.
- \* Copies of supporting materials provided to the Churchill County Mosquito, Vector, and Noxious Weed Abatement District Board of Trustees are available upon request.



Churchill County Mosquito, Vector, and Noxious Weed Abatement District  
Board of Trustees  
Churchill County, Nevada  
7400 Reno Highway  
Fallon, NV 89406  
Meeting August 14<sup>th</sup>, 2024  
OPEN MEETING SESSION

**1. Call to Order**

Chairwoman, Cindy McGarrah called the meeting to order at 5:30 P.M.

**BOARD OF TRUSTEES**

Cindy McGarrah, Chairwoman  
Kim Turner, Vice Chairwoman  
Marion Jonte, Trustee  
Richard Grondin, Trustee  
Barry Stewart, Trustee

Joe Sanford, Legal Counsel  
Nancy Upham, District Manager  
JD MacKay, Assistant Manager  
Melania Sagi, Board Secretary

**Public Present**

Sharon Montiel  
Phyllis Dowd

**2. Pledge of Allegiance:**

All stood for the Pledge of Allegiance.

**3. Public Comment:**

None

**4. Review and Adoption of the Agenda:**

Ms. Upham requested that the agenda be adopted as is.

**Mr. Grondin motioned to adopt the Agenda as is. Mr. Jonte seconded the motion, and it passed unanimously.**

**5. Discussion and Approval of Minutes from July 11<sup>th</sup>, 2024:**

**Mr. Jonte motioned to approve the minutes from July 11<sup>th</sup>, 2024. Ms. Turner seconded the motion, and it passed unanimously.**

**6. Certificate of Posting:**

Ms. Upham stated that the Agenda was posted per NRS.



## 7. Correspondence:

1. July 01, 2024      Kellie Grahmann — Final Budget Approval.  
This is a formality stating that the Final Budget was approved by the Nevada Department of Taxation.
2. July 09, 2024      Laura Morrow — Rats in Churchill County.  
There were several ranches in the County that reached out to see what could be done about the rats. The state lab said that at this point, they were not worried about it.
3. July 17, 2024      Meg Glancey — IDX Device Shipment.  
The speciator machine was shipped out, received, and has since been set up. It has been connected to the network and Ms. Upham and a technician have begun using it. Ms. Upham explained that she is glad they are leasing it because technologies will improve, and it will be nice to have the option to upgrade in the future.
4. July 19, 2024      Laura Morrow — Nevada Updates on WNV & SLE.  
Clark County is seeing a significant increase in Saint Louis Equine Encephalitis compared to prior years.
5. July 19, 2024      Phyllys Dowd — Fee Increase to \$1,300.00 per month.  
Ms. Dowd is increasing her fee by 4%.
6. July 26, 2024      California Arbovirus Surveillance Bulletin #16.  
The higher temperatures have been drying up the sources which means the mosquitoes are more concentrated. This has been shown to cause a higher outbreak of arboviruses.
7. July 31, 2024      CWSD — Request for reimbursement for 2023-2024.  
The Carson Water SubConservancy District has allocated \$15,000.00 for weed treatment. This correspondence verifies the District's submittal, approval, and reimbursement for weed treatment in the County.
8. July 31, 2024      NDOT — Request for reimbursement for 2023-2024  
This is the submission for reimbursement for weed treatment on State roads. It is not as much as in the past since the District was training the new staff.
9. July 31, 2024      NDOT - Request for reimbursement for 2022-2023.  
This is a stale claim for FY 2022-2023. The Nevada Department of Transportation will process the claim and send a reimbursement check in a few months.

## 8. Appointment:

None

## 9. Old Business:

1. Update on the hiring process for the District Manager's position.

Ms. Upham explained that the job description has been posted on Indeed.com and has since received many more applications. She will collaborate with the pre-selection committee to tie up this step in the hiring process.

2. Update on the District building dedication and plans for public attendance.

Ms. Upham believes that an open house would be the ideal opportunity to reveal the building dedication plaque to Hal Newman's family. She stated that she attended Mr. Newman's memorial and read what would be on the plaque to his family. Most of his family are from out of town and will not be able to return for the building dedication. Ms. McGarrah suggested hosting the open house in October after the busy season. Ms. Upham agreed that this would be the perfect year to invite the public to the facility.

3. Discussion of all employees' status on the newly adopted District pay scale.

Ms. Upham provided the Board members with a pay table to explain where each position in the District fell. She passed the explanation to Ms. Dowd to lead to the next topic for discussion.

4. Discussion and explanation of the different benefit options such as the District being a "Choice" agency with employee/employer-paid PERS versus just employer-paid PERS and how it affects set pay rates.

Ms. Dowd explained how PERS was calculated and the positives and negatives of employee/employer and employer-paid PERS options.

5. Discussion and possible action regarding changing the pay scale for the District Manager position. Any changes would then need to be updated for job recruitment purposes.

The original posting had the pay range for the District Manager position at grade 68. Considering that the current Assistant Manager was at grade 74, it would be beneficial to increase the offered pay range to a grade 76.

**Ms. Turner motioned to approve adjusting the District Manager job listing to reflect a hiring range at grade 76 of the District's pay table. Mr. Stewart seconded the motion, and it passed unanimously.**

## 10. New Business:

None

## 11. District Manager's Report and Operations Review:

Ms. Upham explained that there were significantly less Service Request's than last year. The technicians did a great job at treating known sources and responding to Service Requests. The technicians have been sent home early on extremely smoky days with administrative leave to prevent a risk to their health. Ms. Upham will be providing the Board with a comparison of chemical usage at the following Board meeting.



Mr. Jonte asked if there was also a reduction in aerial treatments. Ms. Upham stated that yes, there had been less of a need this year. She credits the majority of that to the ground treatments the technicians have been doing.

**12. Board Member's Reports:**

None

**13. Any Request for Future Agenda Items:**

Ms. Upham notified the Board that there may be a need for multiple Board meetings in September for the hiring interviews.

**14. Expenditures:**

Discussion and possible action for July 2024 Expenditures.

Payroll:	\$53,603.54
Expenses:	\$12,113.44
Total:	\$65,716.98

Mr. Grondin asked why there was a towing fee in the expenditure. Mr. MacKay explained that the 2014 Tacoma lost power by Derby Dam so hiring a towing service to bring it home on the highway was the safest option.

**Mr. Jonte motioned to approve the July 2024 Expenditures. Mr. Stewart seconded the motion, and it passed unanimously.**

**15. Public Comment:**

None

**16. Adjournment:**

Ms. McGarrah called the meeting to a close at 6:04 PM.

---

SIGNATURE:

Chairwoman or Vice Chairman

---

DATE:



## CH005-CH023 - Positive Pools

Laura Morrow <lmorrow@agri.nv.gov>

Thu 8/8/2024 5:43 PM

To: Nancy Upham <ccmosquito@cccomm.net>; Nancy Upham <director@ccmosquito.org>

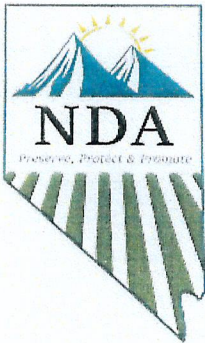
📎 1 attachments (689 KB)

CH005-CH023\_08022024.pdf;

Hi Nancy,  
We detected WNV in two pools CH016 and CH017.

Please let me know if you have any questions.

Thank you,  
Laura



### Laura Morrow

Laboratory Supervisor | Division of Animal Industry

Nevada Department of Agriculture

405 South 21st Street, Sparks, NV 89431

Office: 775-353-3700 | Fax: 775-353-3659 | Mobile: 775-777-5750 | Lab:  
775-353-3709

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**Churchill County Mosquito, Vector and Noxious Weed Abatement District, PO Box 2468, Fallon, NV 89407**

(775)423-2828 FAX (775)428-2829 VECTORS BORNE DISEASE TEST FORM

Sent by Nancy Upham County Churchill  
 Agency CCMV & DWAD Bill to \_\_\_\_\_  
 Date 8-15-24 Page 1 of 1

LAB USE ONLY

INCL. ACC NO. 25-1424-25-19  
 DATE REC'D \_\_\_\_\_  
 UNIT FILE NO. \_\_\_\_\_

SAMPLE #	COLLECTOR	GPS	CITY	LOCATION		DESCRIPTION	DATE	SPECIES	AGE	SEX	TYPE SPECIMEN	ACC. NO.	RESULTS
				COUNTY	CHURCHILL								
CH 024	Upham	S. DOWNS N39.4167767		CHURCHILL	W118.706917		8-13-24	Culex	A	F	1	25-1424	Negative WNV/SLE/WEE
CH 025	Upham	ROGERS RD. N39.446006		CHURCHILL	W118.754666		8-13-24	Culex	A	F	50	25-1425	Negative WNV/SLE/WEE
CH 026	"						11	"	"	"	19	25-1426	Negative WNV/SLE/WEE

8-15-24



# Nevada Arbovirus Update

Laura Morrow <lmorrow@agri.nv.gov>

Fri 8/9/2024 5:07 PM

To: Bud Stinson <bstinson@lyon-county.org>; Celia Chen <celchen@ucdavis.edu>; Chris Barker <cmbarker@ucdavis.edu>; Chris Bramley <ChrisB@ClarkCountyNV.gov>; Christian DeHaan <dehaan@SNHD.org>; Nancy Upham <director@ccmosquito.org>; Dustin Boothe <dboothe@carson.org>; Francis Park, REHS IHS <Francis.Park@ihs.gov>; Jeff Knight <jknight@agri.nv.gov>; Jennifer Corrigan <Jennifer.Corrigan@ihs.gov>; Keith R. Forbes <Keith.Forbes@agri.nv.gov>; Kerri Gibbons <KGibbons@carson.org>; Krista Jenkins <dcmosquito@gmail.com>; Landon Wiggins <Landon.Wiggins@ihs.gov>; Maria Menjivar <mmenjivar@carson.org>; Nancy Upham <ccmosquito@cccomm.net>; Patrick M. Schmitz <pschmitz@agri.nv.gov>; Peter Mundschenk <pmundschenk@agri.nv.gov>; Scott Strickland <sstrickler@washoecounty.us>; Stacy Mathis <smathis@cityoffernley.org>

## **2024 YTD surveillance has identified:**

### **Clark County**

- 384 WNV positive pools, comprising of 11,976 mosquitoes, from 46 zip codes.
- 21 SLEV positive pools, comprising of 583 mosquitoes, from 8 zip codes.
- 20 human cases have been reported.
- Department of Agriculture reported 1 WNV positive horse from Clark County.

### **Douglas County**

- 3 WNV positive pools

### **Churchill County**

- 2 WNV positive pools

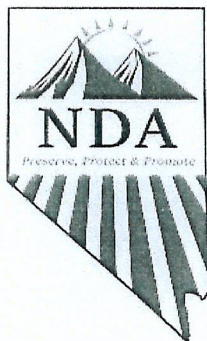
### **Nye County**

- 1 WNV positive horse

### **Elko County**

- 1 WNV positive horse

Thank you,  
Laura



### **Laura Morrow**

Laboratory Supervisor | Division of Animal Industry

Nevada Department of Agriculture

405 South 21st Street, Sparks, NV 89431

Office: 775-353-3700 | Fax: 775-353-3659 | Mobile: 775-777-5750 | Lab: 775-353-3709

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## WEEKLY UPDATE

### **Humans**

#### West Nile virus

A total of 8 new human cases of West Nile virus (WNV) disease were reported this week from 6 counties: Fresno (1), Kern (2), Riverside (1), San Bernardino (2), Stanislaus (1), and Yuba (1). **These are the first human cases of WNV disease reported for Kern, San Bernardino, and Stanislaus counties this year.** In 2024, 27 human cases of WNV disease were reported from 11 counties. Of the 27 cases, 21 (78%) had neuroinvasive disease and 3 (11%) were fatal. The median age of the case-patients was 57 years and 19 (70%) of the case-patients were male. The dates of symptom onset ranged from May 28 to August 15. In addition to the 27 cases of WNV disease, 8 asymptomatic WNV-positive blood donors have been reported from 5 counties: Butte (1), Fresno (3), Los Angeles (1), San Bernardino (2), and Stanislaus (1). At this time last year, 75 human cases of WNV disease had been reported from 21 counties.

#### St. Louis encephalitis virus

No human cases of St. Louis encephalitis virus (SLEV) disease have been reported. At this time last year, 1 human case of SLEV disease had been reported from 1 county.

### **Dead Birds**

A total of 63 new WNV positive dead birds were reported from 6 counties: Alameda (7), Los Angeles (1), San Bernardino (2), San Mateo (8), Santa Clara (44), and Solano (1). In 2024, 352 WNV positive dead birds have been reported from 18 counties. At this time last year, 443 WNV positive dead birds had been reported from 25 counties.

### **Mosquito Pools**

#### West Nile virus

A total of 166 new WNV positive mosquito pools were reported from 21 counties: Alameda (2), Butte (5), Contra Costa (1), Fresno (8), Kings (18), Lake (1), Los Angeles (25), Madera (17), Merced (10), Orange (11), Placer (12), Riverside (4), Sacramento (4), San Bernardino (3), San Joaquin (15), Santa Clara (2), Shasta (2), Solano (4), Stanislaus (5), Tulare (12), and Yolo (5). In 2024, 1,386 WNV positive mosquito pools have been reported from 25 counties. At this time last year, 3,161 WNV positive mosquito pools had been reported from 29 counties.

#### St. Louis encephalitis virus

A single (1) new SLEV positive mosquito pool was reported from 1 county: Kings (1). **This is the first detection of SLEV activity in Kings County this year.** In 2024, 15 SLEV positive mosquito pools have been reported from 4 counties: Fresno (10), Imperial (1), Kings (1), and Tulare (3). At this time last year, 302 SLEV positive mosquito pools had been reported from 12 counties.

### **Sentinel Chickens**

No new WNV positive chickens were reported this week. In 2024, 75 WNV positive sentinel chickens have been reported from 9 counties. At this time last year, 123 WNV positive chickens had been reported from 14 counties.



**California Arbovirus Surveillance Bulletin #21**  
 Week 35 Friday, August 30, 2024

<b>2023 &amp; 2024 YTD West Nile Virus Comparisons</b>		
	<b>2023</b>	<b>2024</b>
Total No. Dead Bird Reports	4,679	4,773
No. Positive Counties	37	29
No. Human Cases	75	27
No. Positive Dead Birds / No. Tested	443 / 1,358	352 / 1,368
No. Positive Mosquito Pools / No. Tested	3,161 / 36,583	1,386 / 33,385
No. Seroconversions / No. Tested	123 / 2,752	75 / 3,231

<b>YTD WNV Activity by Element and County, 2024</b>					
<b>County</b>	<b>Humans</b>	<b>Horses</b>	<b>Dead Birds</b>	<b>Mosquito Pools</b>	<b>Sentinel Chickens</b>
Alameda			40	18	
Butte	7		4	58	19
Colusa			1		
Contra Costa	1		6	7	8
Fresno	2			161	
Imperial				2	
Kern	2			35	
Kings	2			63	
Lake			1	13	5
Los Angeles			9	99	
Madera				57	
Merced				28	11
Orange	0		1	27	
Placer		1	1	73	
Riverside	3		2	209	
Sacramento		1	53	46	
San Bernardino	2		10	68	
San Diego		1	2		
San Joaquin		1	5	136	
San Mateo			22		
Santa Clara	2		190	29	
Shasta				25	
Solano			2	10	5
Stanislaus	1			32	
Sutter				29	13
Tehama					1
Tulare				90	6
Yolo	2		1	42	
Yuba	3	1	2	29	7
<b>Totals</b>	<b>27</b>	<b>5</b>	<b>352</b>	<b>1,386</b>	<b>75</b>



**California Arbovirus Surveillance Bulletin #21**  
**Week 35 Friday, August 30, 2024**

**TESTING SUMMARIES**

		WNV	SLEV	WEEV
<b>Human Cases</b>	Week	8	0	0
	YTD	27	0	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

<b>Dead Birds</b>	Week	63 / 84
	YTD	352 / 1,368

<b>Chicken Sera</b>	Week	0 / 214	0 / 214	0 / 214
	YTD	75 / 3,231	0 / 3,231	0 / 3,231

<b>Mosquito Pools</b>	Week	166 / 1,439	1 / 1,305	0 / 1,305	0 / 0	0 / 0	0 / 0
	YTD	1,386 / 33,385	15 / 30,980	0 / 31,003	0 / 549	0 / 549	0 / 549

**POSITIVES**

**Dead Birds**

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Alameda	Alameda Co MAD	Fremont	94555	American Crow	8/22/2024	WNV
Alameda	Alameda Co MAD	Union City	94587	American Crow	8/22/2024	WNV
Alameda	Alameda Co MAD	Hayward	94545	Unknown	8/26/2024	WNV
Alameda	Alameda Co MAD	Union City	94587	American Crow	8/28/2024	WNV
Alameda	Alameda Co MAD	Fremont	94539	American Crow	8/28/2024	WNV
Alameda	Alameda Co MAD	Union City	94587	American Crow	8/28/2024	WNV
Alameda	Alameda Co MAD	Newark	94560	American Crow	8/29/2024	WNV
Los Angeles	Greater Los Angeles Co VCD - Sylmar	Los Angeles	91316	American Crow	8/19/2024	WNV
San Bernardino	San Bernardino Vector Control Program	Lake Arrowhead	92352	Western Bluebird	8/19/2024	WNV
San Bernardino	West Valley MVCD	Ontario	91761	American Crow	8/22/2024	WNV
San Mateo	San Mateo Co MVCD	Atherton	94027	American Crow	8/20/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	California Scrub-Jay	8/21/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	American Crow	8/21/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	American Crow	8/23/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	Steller's Jay	8/25/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	American Crow	8/26/2024	WNV
San Mateo	San Mateo Co MVCD	Redwood City	94061	American Crow	8/26/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	American Crow	8/27/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Altos	94024	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95131	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Sunnyvale	94086	Common Raven	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	Finch	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/23/2024	WNV



**California Arbovirus Surveillance Bulletin #21**  
**Week 35 Friday, August 30, 2024**

Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	Finch	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95123	American Crow	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95134	Chestnut-Backed Chickadee	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	8/24/2024	WNV
Santa Clara	Santa Clara Co VCD	Sunnyvale	94086	American Crow	8/24/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95123	American Crow	8/25/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	Unknown	8/26/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Altos	94022	American Crow	8/26/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/26/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95112	American Crow	8/27/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	8/27/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95111	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95118	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95120	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95118	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95118	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95148	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	Santa Clara	95054	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95128	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95122	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	Milpitas	95035	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95136	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	Campbell	95008	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95139	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95136	American Crow	8/28/2024	WNV
Solano	Solano Co MAD	Dixon	95620	American Crow	8/23/2024	WNV

**Mosquito Pools**

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Alameda	ALCO 498661	33582	Cx tarsalis	Newark	35	CO2	8/29/2024	WNV
Alameda	ALCO 951594	33450	Cx tarsalis	Union City	7	CO2	8/27/2024	WNV
Butte	BUCO 113	317	Cx tarsalis	Gridley	50	CO2	8/20/2024	WNV
Butte	BUCO 123	316	Cx tarsalis	Oroville	50	CO2	8/20/2024	WNV
Butte	BUCO 126	319	Cx tarsalis	Chico	50	CO2	8/19/2024	WNV
Butte	BUCO 175	333	Cx tarsalis	Gridley	50	CO2	8/21/2024	WNV
Butte	BUCO 33	330	Cx tarsalis	Chico	50	CO2	8/21/2024	WNV
Contra Costa	CNTR 2302	1432	Cx tarsalis	Martinez	50	CO2	8/27/2024	WNV
Fresno	CNSL 3129	517	Cx quinquefasciatus	Kingsburg	34	GRVD	8/22/2024	WNV
Fresno	CNSL 3553	121	Cx stigmatosoma	Orange Cove	30	GRVD	8/21/2024	WNV
Fresno	CNSL 4072	516	Cx quinquefasciatus	Selma	50	GRVD	8/22/2024	WNV
Fresno	CNSL 6324	100	Cx quinquefasciatus	Riverdale	50	GRVD	8/20/2024	WNV
Fresno	FRNO 238	508	Cx quinquefasciatus	Fresno	49	GRVD	8/27/2024	WNV
Fresno	FRWS 1202	188	Cx tarsalis	Dos Palos	50	CO2	8/27/2024	WNV
Fresno	FRWS 300031	190	Cx tarsalis	Firebaugh	50	CO2	8/27/2024	WNV
Fresno	FRWS 4110	200	Cx tarsalis	Mendota	50	CO2	8/27/2024	WNV
Kings	KNGS 3022	177	Cx tarsalis	Hanford	28	CO2	8/23/2024	WNV
Kings	KNGS 3030	147	Cx tarsalis	Lemoore	41	CO2	8/20/2024	WNV
Kings	KNGS 3062	174	Cx tarsalis	Lemoore	22	CO2	8/23/2024	WNV
Kings	KNGS 3076	161	Cx tarsalis	Hanford	19	CO2	8/21/2024	WNV
Kings	KNGS 3083	148	Cx tarsalis	Lemoore	50	CO2	8/20/2024	WNV
Kings	KNGS 3083	149	Cx tarsalis	Lemoore	50	CO2	8/20/2024	WNV
Kings	KNGS 3083	152	Cx erythrothorax	Lemoore	26	CO2	8/20/2024	WNV
Kings	KNGS 3115	180	Cx pipiens	Hanford	25	CO2	8/23/2024	WNV
Kings	KNGS 3115	180	Cx pipiens	Hanford	25	CO2	8/23/2024	SLEV
Kings	KNGS 3126	160	Cx tarsalis	Corcoran	50	CO2	8/21/2024	WNV
Kings	KNGS 3128	144	Cx tarsalis	Island	40	CO2	8/20/2024	WNV
Kings	KNGS 3131	157	Cx tarsalis	Stratford	50	CO2	8/21/2024	WNV
Kings	KNGS 3131	158	Cx tarsalis	Stratford	50	CO2	8/21/2024	WNV
Kings	KNGS 3131	159	Cx pipiens	Stratford	44	CO2	8/21/2024	WNV
Kings	KNGS 3140	170	Cx tarsalis	Hardwick	50	CO2	8/23/2024	WNV
Kings	KNGS 3140	171	Cx tarsalis	Hardwick	50	CO2	8/23/2024	WNV
Kings	KNGS 3140	173	Cx pipiens	Hardwick	49	CO2	8/23/2024	WNV



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Kings	KNGS 8008	167	Cx pipiens	Hanford	50	CO2	8/21/2024	WNV
Kings	KNGS 8036	162	Cx tarsalis	Traver	14	CO2	8/21/2024	WNV
Lake	LAKE 233	317	Cx tarsalis	Clearlake Oaks	50	CO2	8/27/2024	WNV
Los Angeles	GRLA 2029	5778	Cx quinquefasciatus	Canoga Park	50	BGSENT	8/22/2024	WNV
Los Angeles	GRLA 2093	648	Cx quinquefasciatus	South Gate	33	GRVD	8/22/2024	WNV
Los Angeles	GRLA 2116	649	Cx quinquefasciatus	Cudahy	50	GRVD	8/22/2024	WNV
Los Angeles	GRLA 2414	5771	Cx quinquefasciatus	Granada Hills	50	GRVD	8/21/2024	WNV
Los Angeles	GRLA 2419	5770	Cx quinquefasciatus	Panorama City	50	GRVD	8/21/2024	WNV
Los Angeles	GRLA 2421	5772	Cx quinquefasciatus	Panorama City	33	GRVD	8/21/2024	WNV
Los Angeles	GRLA 2450	5760	Cx quinquefasciatus	Glendale	43	GRVD	8/20/2024	WNV
Los Angeles	GRLA 2593	5755	Cx quinquefasciatus	San Marino	38	GRVD	8/20/2024	WNV
Los Angeles	GRLA 2637	5769	Cx quinquefasciatus	Van Nuys	50	GRVD	8/21/2024	WNV
Los Angeles	GRLA 2724	5777	Cx quinquefasciatus	Winnetka	50	GRVD	8/22/2024	WNV
Los Angeles	GRLA 2735	5785	Cx quinquefasciatus	Los Angeles	50	GRVD	8/23/2024	WNV
Los Angeles	GRLA 3034	5773	Cx quinquefasciatus	North Hills	50	GRVD	8/21/2024	WNV
Los Angeles	GRLA 3036	5780	Cx quinquefasciatus	Canoga Park	50	BGSENT	8/22/2024	WNV
Los Angeles	GRLA 3045	630	Cx quinquefasciatus	Whittier	48	GRVD	8/20/2024	WNV
Los Angeles	GRLA 3054	655	Cx quinquefasciatus	Bell Gardens	31	GRVD	8/22/2024	WNV
Los Angeles	GRLA 3100	654	Cx quinquefasciatus	Bell	50	GRVD	8/22/2024	WNV
Los Angeles	LACW 1048	893	Cx quinquefasciatus	Inglewood	42	CO2	8/8/2024	WNV
Los Angeles	LACW 1054	895	Cx quinquefasciatus	Inglewood	50	CO2	8/8/2024	WNV
Los Angeles	LACW 1054	897	Cx quinquefasciatus	Inglewood	39	CO2	8/8/2024	WNV
Los Angeles	LACW 1054	911	Cx quinquefasciatus	Inglewood	38	CO2	8/15/2024	WNV
Los Angeles	SGVA 1069	609	Cx quinquefasciatus	La Puente	49	GRVD	8/27/2024	WNV
Los Angeles	SGVA 1117	608	Cx quinquefasciatus	West Covina	50	GRVD	8/27/2024	WNV
Los Angeles	SGVA 477	604	Cx quinquefasciatus	West Covina	50	GRVD	8/27/2024	WNV
Los Angeles	SGVA 960	597	Cx quinquefasciatus	Rosemead	47	GRVD	8/27/2024	WNV
Los Angeles	SGVA 961	595	Cx quinquefasciatus	Alhambra	50	GRVD	8/27/2024	WNV
Madera	MADR 1012	466	Cx tarsalis	Madera County	50	CO2	8/21/2024	WNV
Madera	MADR 1097	458	Cx tarsalis	Madera	50	CO2	8/20/2024	WNV
Madera	MADR 12360	484	Cx tarsalis	Madera	50	CO2	8/22/2024	WNV
Madera	MADR 12363	481	Cx tarsalis	Madera	50	CO2	8/22/2024	WNV
Madera	MADR 12369	487	Cx tarsalis	Madera, Ca	33	CO2	8/22/2024	WNV
Madera	MADR 208	467	Cx tarsalis	Madera	50	CO2	8/21/2024	WNV
Madera	MADR 208	468	Cx quinquefasciatus	Madera	50	CO2	8/21/2024	WNV
Madera	MADR 259	455	Cx quinquefasciatus	Madera	38	CO2	8/20/2024	WNV
Madera	MADR 276	482	Cx quinquefasciatus	Madera	50	CO2	8/22/2024	WNV
Madera	MADR 309	476	Cx quinquefasciatus	Madera	50	CO2	8/22/2024	WNV
Madera	MADR 3191	478	Cx tarsalis	Firebaugh	50	CO2	8/22/2024	WNV
Madera	MADR 581	479	Cx tarsalis	Madera	50	CO2	8/22/2024	WNV
Madera	MADR 697	471	Cx tarsalis	Firebaugh	50	CO2	8/21/2024	WNV
Madera	MADR 726	457	Cx tarsalis	Madera	50	CO2	8/20/2024	WNV
Madera	MADR 752	469	Cx tarsalis	Firebaugh	50	CO2	8/21/2024	WNV
Madera	MADR 754	474	Cx tarsalis	Firebaugh	50	CO2	8/21/2024	WNV
Madera	MADR 763	460	Cx tarsalis	Madera	50	CO2	8/21/2024	WNV
Merced	MERC 102	354	Cx pipiens	Merced	11	CO2	8/23/2024	WNV
Merced	MERC 102	356	Cx tarsalis	Merced	50	CO2	8/23/2024	WNV
Merced	MERC 201727	361	Cx tarsalis	Mcswain	10	CO2	8/23/2024	WNV
Merced	MERC 201745	412	Cx pipiens	Delhi	42	BGSENT	8/28/2024	WNV
Merced	MERC 346159	372	Cx pipiens	Delhi	50	BGSENT	8/28/2024	WNV
Merced	MERC 346159	374	Cx pipiens	Delhi	12	BGSENT	8/28/2024	WNV
Merced	MERC 492592	382	Cx pipiens	Delhi	50	BGSENT	8/28/2024	WNV
Merced	MERC 492592	384	Cx pipiens	Delhi	50	BGSENT	8/28/2024	WNV
Merced	MERC 492592	386	Cx pipiens	Delhi	50	BGSENT	8/28/2024	WNV
Merced	MERC 861228	395	Cx pipiens	Delhi	34	BGSENT	8/28/2024	WNV
Orange	ORCO 1010	1683	Cx quinquefasciatus	Huntington Beach	15	GRVD	8/1/2024	WNV
Orange	ORCO 1010	1693	Cx quinquefasciatus	Huntington Beach	25	GRVD	8/1/2024	WNV
Orange	ORCO 235	2142	Cx quinquefasciatus	Stanton	11	BGSENT	8/23/2024	WNV
Orange	ORCO 323	2215	Cx quinquefasciatus	Buena Park	40	GRVD	8/27/2024	WNV
Orange	ORCO 328	2036	Cx quinquefasciatus	Fullerton	32	GRVD	8/20/2024	WNV
Orange	ORCO 329	2188	Cx quinquefasciatus	Fullerton	30	GRVD	8/27/2024	WNV
Orange	ORCO 336	1986	Cx quinquefasciatus	Anaheim	30	GRVD	8/16/2024	WNV
Orange	ORCO 340	2228	Cx quinquefasciatus	Santa Ana	43	GRVD	8/27/2024	WNV
Orange	ORCO 343	2016	Cx quinquefasciatus	Orange	20	GRVD	8/20/2024	WNV
Orange	ORCO 343	2220	Cx quinquefasciatus	Orange	29	GRVD	8/27/2024	WNV
Orange	ORCO 81	2234	Cx quinquefasciatus	Seal Beach	26	GRVD	8/28/2024	WNV
Placer	PLCR 1113	1202	Cx tarsalis	Pleasant Grove	50	CO2	8/27/2024	WNV
Placer	PLCR 191218	1205	Cx tarsalis	Roseville	50	CO2	8/27/2024	WNV
Placer	PLCR 191218	1207	Cx tarsalis	Roseville	50	CO2	8/27/2024	WNV



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Placer	PLCR 191218	1209	Cx tarsalis	Roseville	47	CO2	8/27/2024	WNV
Placer	PLCR 191232	1155	Cx tarsalis	Unknown	11	CO2	8/22/2024	WNV
Placer	PLCR 191235	1239	Cx tarsalis	Newcastle	1	CO2	8/28/2024	WNV
Placer	PLCR 191373	1183	Cx tarsalis	Pleasant Grove	50	CO2	8/27/2024	WNV
Placer	PLCR 191373	1184	Cx tarsalis	Pleasant Grove	50	CO2	8/27/2024	WNV
Placer	PLCR 191373	1185	Cx tarsalis	Pleasant Grove	35	CO2	8/27/2024	WNV
Placer	PLCR 197802	1189	Cx tarsalis	Elverta	50	CO2	8/27/2024	WNV
Placer	PLCR 198710	1240	Cx tarsalis	Lincoln	50	CO2	8/28/2024	WNV
Placer	PLCR 198710	1241	Cx tarsalis	Lincoln	27	CO2	8/28/2024	WNV
Riverside	COAV 121	4840	Cx tarsalis	Mecca	50	CO2	8/27/2024	WNV
Riverside	COAV 122	4870	Cx tarsalis	Mecca	50	CO2	8/27/2024	WNV
Riverside	COAV 611	4668	Cx tarsalis	Mecca	50	CO2	8/27/2024	WNV
Riverside	COAV 611	4669	Cx tarsalis	Mecca	50	CO2	8/27/2024	WNV
Sacramento	SAYO 203037	4026	Cx pipiens	Elverta	17	GRVD	8/27/2024	WNV
Sacramento	SAYO 204051	3771	Cx tarsalis	Citrus Heights	1	CO2	8/23/2024	WNV
Sacramento	SAYO 233015	3906	Cx tarsalis	Sacramento	33	CO2	8/27/2024	WNV
Sacramento	SAYO 233015	3908	Cx tarsalis	Sacramento	1	GRVD	8/27/2024	WNV
San Bernardino	WVAL 2018	1799	Cx quinquefasciatus	Chino	17	GRVD	8/27/2024	WNV
San Bernardino	WVAL 5682	1844	Cx quinquefasciatus	Rancho Cucamonga	13	BGSENT	8/28/2024	WNV
San Bernardino	WVAL 9007	1796	Cx quinquefasciatus	Upland	9	GRVD	8/27/2024	WNV
San Joaquin	SJCM 8029	1436	Cx pipiens	Farmington	38	CO2	8/27/2024	WNV
San Joaquin	SJCM 8041	1382	Cx tarsalis	Lodi	13	CO2	8/27/2024	WNV
San Joaquin	SJCM 8045	1422	Cx tarsalis	Thornton	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8083	1440	Cx tarsalis	Escalon	28	CO2	8/27/2024	WNV
San Joaquin	SJCM 8083	1441	Cx pipiens	Escalon	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8083	1442	Cx pipiens	Escalon	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8083	1443	Cx pipiens	Escalon	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8083	1444	Cx pipiens	Escalon	36	CO2	8/27/2024	WNV
San Joaquin	SJCM 8160	1450	Cx tarsalis	Lodi	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8160	1451	Cx tarsalis	Lodi	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8160	1452	Cx tarsalis	Lodi	27	CO2	8/27/2024	WNV
San Joaquin	SJCM 8206	1424	Cx tarsalis	Lodi	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8209	1418	Cx pipiens	Lodi	18	CO2	8/27/2024	WNV
San Joaquin	SJCM 8210	1438	Cx pipiens	Escalon	43	CO2	8/27/2024	WNV
San Joaquin	SJCM 8253	1408	Cx tarsalis	Linden	34	CO2	8/27/2024	WNV
Santa Clara	STCL 31077	31077	Cx tarsalis	San Jose	4	CO2	8/29/2024	WNV
Santa Clara	STCL 31245	2546	Cx pipiens	San Jose	9	GRVD	8/27/2024	WNV
Shasta	SHAS 10070	645	Cx pipiens	Shasta Lake City	44	CO2	8/28/2024	WNV
Shasta	SHAS 636	655	Cx tarsalis	Redding	50	CO2	8/28/2024	WNV
Solano	SOLA 29	364	Cx tarsalis	Dixon	50	CO2	8/27/2024	WNV
Solano	SOLA 38	366	Cx tarsalis	Dixon	50	CO2	8/27/2024	WNV
Solano	SOLA 38	371	Cx pipiens	Dixon	37	CO2	8/27/2024	WNV
Solano	SOLA 8803	361	Cx tarsalis	Dixon	50	CO2	8/27/2024	WNV
Stanislaus	TRLK 17152	576	Cx tarsalis	Denair	50	CO2	8/27/2024	WNV
Stanislaus	TRLK 526	577	Cx tarsalis	Denair	13	CO2	8/27/2024	WNV
Stanislaus	TRLK 536	559	Cx pipiens	Turlock	50	CO2	8/27/2024	WNV
Stanislaus	TRLK 613	581	Cx tarsalis	Hickman	50	CO2	8/27/2024	WNV
Stanislaus	TRLK 613	584	Cx tarsalis	Hickman	50	CO2	8/27/2024	WNV
Tulare	DLTA 162326	2744	Cx quinquefasciatus	Dinuba	12	GRVD	8/23/2024	WNV
Tulare	DLTA 300021	2733	Cx quinquefasciatus	Visalia	30	BGSENT	8/22/2024	WNV
Tulare	DLTA 83231	2714	Cx quinquefasciatus	Goshen	42	CO2	8/21/2024	WNV
Tulare	DLTA 83231	2716	Cx tarsalis	Goshen	32	CO2	8/21/2024	WNV
Tulare	DLTA 84094	2695	Cx quinquefasciatus	Visalia	21	CO2	8/21/2024	WNV
Tulare	DLTA 8413	2739	Cx quinquefasciatus	Visalia	21	BGSENT	8/23/2024	WNV
Tulare	DLTA 8414	2706	Cx quinquefasciatus	Visalia	35	BGSENT	8/21/2024	WNV
Tulare	DLTA 841631	2700	Cx tarsalis	Visalia	35	CO2	8/21/2024	WNV
Tulare	DLTA 94122	2745	Cx quinquefasciatus	Visalia	20	BGSENT	8/23/2024	WNV
Tulare	DLTA 962621	2728	Cx stigmatosoma	Exeter	29	CO2	8/22/2024	WNV
Tulare	TLRE 202506	96	Cx quinquefasciatus	Tulare	40	GRVD	8/21/2024	WNV
Tulare	TLRE 212634	95	Cx quinquefasciatus	Poplar	50	GRVD	8/20/2024	WNV
Yolo	SAYO 116007	4004	Cx tarsalis	Knights Landing	50	CO2	8/27/2024	WNV
Yolo	SAYO 135005	3828	Cx tarsalis	Woodland	13	CO2	8/23/2024	WNV
Yolo	SAYO 135006	3838	Cx tarsalis	Woodland	50	CO2	8/23/2024	WNV
Yolo	SAYO 136010	3997	Cx tarsalis	Woodland	50	CO2	8/27/2024	WNV
Yolo	SAYO 434653	3755	Cx tarsalis	Davis	50	BGSENT	8/22/2024	WNV



## TEST PROTOCOLS

### **Humans:**

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

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### **Dead Birds**

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

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### **Sentinel Chickens:**

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

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### **Mosquito Pools:**

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

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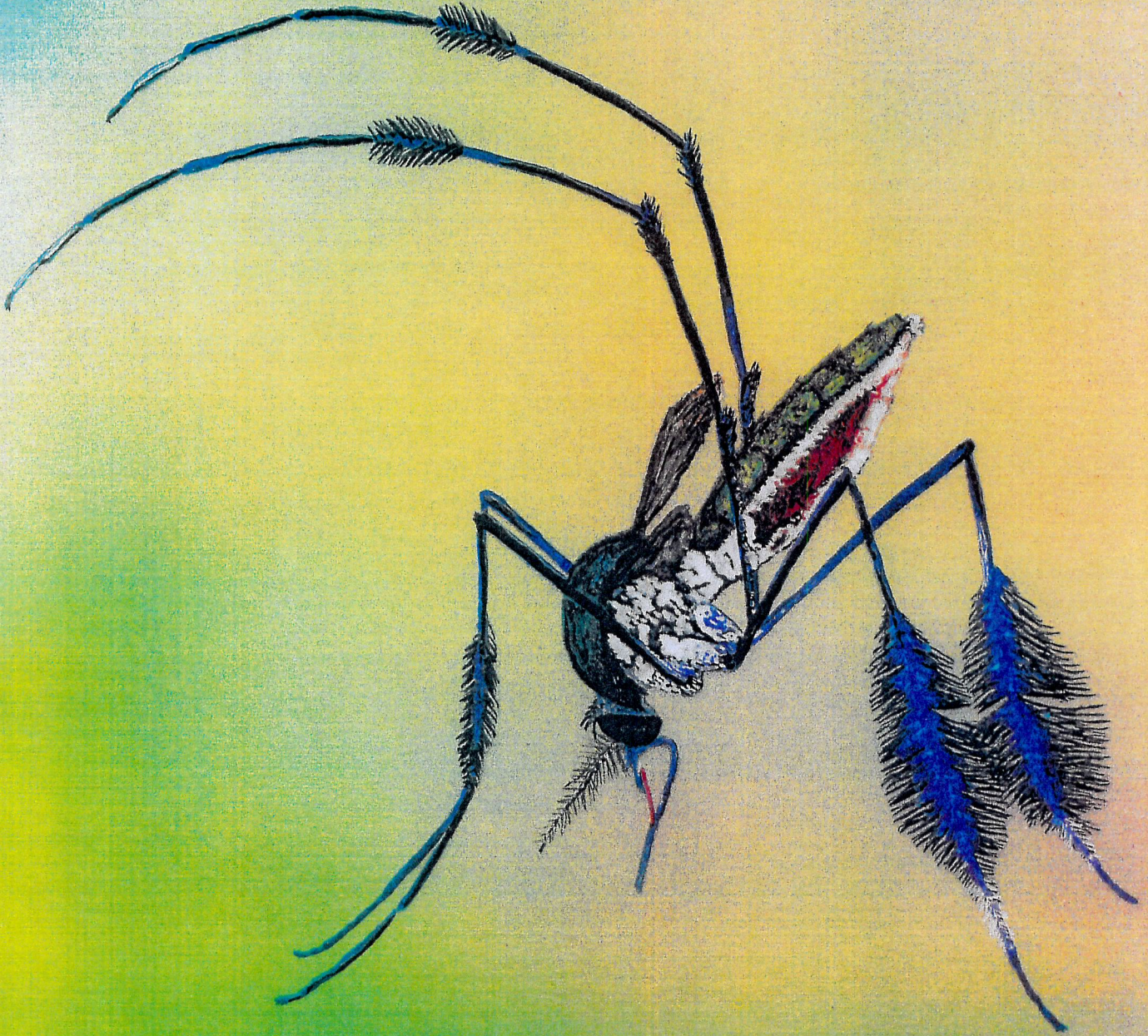
*Website Information: For updated information on WNV in California, please visit the California WNV website, <https://westnile.ca.gov>, or the California Vector-Borne Disease Surveillance System website, <https://maps.vectorsurv.org>*

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



# Wing Beats

of the Florida Mosquito Control Association



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The American Mosquito Control Association

Fall 2024



CHURCHILL COUNTY MOSQUITO, VECTOR AND NOXIOUS WEED ABATEMENT  
DISTRICT

To: The Board of Trustees  
From: Nancy Upham, District Manager  
JD MacKay, Assistant Manager  
Date September 10, 2024  
Re: Discussion and possible action regarding the status of the hiring process for the District  
Manager.

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In August, we saw an increase in the number of applicants after we initiated using Indeed.com as another hiring platform. We also fixed the salary scale after the last Board meeting and update our website and the Indeed.com recruitment notice. During the first week of September, the pre-sifting committee looked over the applications. We have narrowed it down to approximately seven applicants. At this point in time, we feel that the committee should reach out to the out-of-state applicants to see if they are still interested, either by phone or email. From there, we feel that there may need to be another consideration interview to bring the number of applicants down to under five. This may happen through the contact conversations with the applicants to see if they are still available and interested or through a zoom meeting interview with the pre-selection committee to reduce the number of serious candidates.

We need to address with the full Board the number of applicants that they would like to interview at the final interview process. This should be done as a formal action item. There is a lot of work that will be going into ensuring that all legal aspects of the hiring process are being considered and acted upon. This also includes coming up with the questions to be asked to all final candidates and a scoring profile with which the Board of Trustees will be using during the final interview process.

We also need to have the Board of Trustees consider whether they will be paying for an airline ticket and lodging accommodations for final out-of-state candidates. It is appropriate for the candidates to see and understand the community that they would be working for and living in before they make any commitments to moving to Fallon. These considerations are to be decided on by the Board of Trustees before the offer is made to interview anyone from out-of-state.

Finally, we need to set dates in October for the interviews with enough time for people to plan, especially if they are coming in from out-of-state. We should do this with an extra meeting in October.

Please consider these points and we will discuss these and any other questions that you may have. Thank you for all of your work with this process.



CHURCHILL COUNTY MOSQUITO, VECTOR AND NOXIOUS WEED ABATEMENT  
DISTRICT

To: The Board of Trustees  
From: Nancy Upham, District Manager  
JD MacKay, Assistant Manager  
Date September 10, 2024  
Re: Discussion and possible action regarding the purchase of a plaque to honor past and current Board members with a price for the engraving work and second plaque not to exceed \$1,000.00.

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Nancy will be bringing a plaque that the District has as an idea for this plaque. It can hold 48 names. I have checked with Janess Digital Ink to give us an estimate for a recognition plaque. We believe that this would be good timing to do with the building dedication. September 6, 2024, Mike Janess emailed Management and noted that the building dedication plaque would be completed within 45 days. This would put the dedication into late October or early November. They are working on the price of a second plaque or if the Board were to prefer purchasing a larger plaque with enough brass plates for the number of Board members that we have since the inception of the District to date, that is also a consideration. The cost of the plaque plate recognizing Board of Trustee commitment to the District is approximately \$5 per plate. The engraving of each plate is approximately \$3 per plate. At this point in time, we need to figure out how many plates we will need. I will be updating you all at the meeting.

Thank you for your commitment to the District!



CHURCHILL COUNTY MOSQUITO, VECTOR AND NOXIOUS WEED ABATEMENT  
DISTRICT

Management Report for August 2024

To: The Board of Trustees  
From: Nancy Upham, District Manager  
JD MacKay, Assistant Manager  
Date September 10, 2024

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Staff has continued with the earlier shift hours from 6:00 – 2:30 pm due to the heat. There have also been days that Management sent staff home early with pay due to the smoke.

Staff continues to work in the field to abate juvenile and adult mosquitoes in the Lahontan valley. We continue to have less service requests than in previous years. I believe that the Staff is doing a great job! See attached service request list. Last year we had 79 service requests in July and this year we had 34 requests. In August of 2023, we had 91 service requests. In August 2024, we had 38 service requests.

Management has been having a seasonal technician spray for kochia along roadsides. Overall, the roadsides look considerably better than the last few years.

Staff has been fogging in the evenings, as needed for adult mosquitoes. Management will do a quick review a comparison of field activities for the 2023 and 2024 season at the Board meeting. We are still compiling the numbers of chemical treatments and acreage treated.

We have been trapping adult mosquitoes but have not had any positive pools in August 2 (Canvasback), and August 15 (Rogers Rd.), 2024. We are waiting on results from August 29-30, 2024. We have been interested in the species of mosquitoes that are being identified by the IDX identification machine. A list of the species that we have picked up as different than our typical Lahontan Valley mosquitoes is listed below.

Aedes albopictus  
Aedes taeniorynchus  
Aedes sollicitans  
Aedes mcintoshi  
Aedes increpitus  
Psorophora columbiae  
Culex nigropalpus  
Culex salinarius

A number of these are “out of area” mosquitoes based on older distribution maps from my entomology book from 2005. This means that they could have made it into the Lahontan Valley or that the algorithm used with this machine is slightly off. We have kept samples to compare to any others that come up as these species as a cross-reference check. We will be doing that when we have more time in the lab.

If you have any need to contact Management or any other staff, please leave a message at 775 423-2828 and we will return the call.



**Total Expenses for Board Reports**

**Jan-24**

**Total Payroll Cost Report**

Gross Wages			\$ 21,845.58
Retirement (PERS)			\$ 6,336.11
Insurance			\$ 4,572.42
Medicare & Social Security			\$ 332.71
<b>Sub-Total Payroll Expenses</b>	Page 1	Item A	<u>\$ 33,086.82</u>
			0.00

**Monthly Expenses by Vendor Detail**

Total	Page 2	Item B	\$ 8,861.50
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**Total Expenses**

\$ 41,948.32

**Trace to Monthly Profit & Loss Report**

Total Expenses	Page 2	Item C	\$ 41,948.32
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**Variance**

\$ -



Churchill County Mosquito, Vector & Noxious Weed A

**Total payroll cost report**

From Jan 01, 2024 to Jan 31, 2024 from all locations

Item	Amount
<b>Total pay</b>	
Paycheck wages	\$21,845.58
Non-paycheck wages	\$0.00
Reimbursements	\$280.64
<b>Subtotal</b>	<b>\$22,126.22</b>
<b>Company contributions</b>	
Employer Paid Dental Insurance	\$182.07
Employer Paid Health Insurance	\$3,849.48
Employer Paid Life Ins-PT only	\$47.74
Employer Paid Vision Insurance	\$20.88
Medicare (EE/ER)	\$294.46
PERS Employer Paid (EE/ER)	\$891.03
PERS Employer Paid (ER Only)	\$5,445.08
<b>Subtotal</b>	<b>\$10,730.74</b>
<b>Employer taxes</b>	
Social Security Employer	\$31.00
Medicare Employer	\$7.25
<b>Subtotal</b>	<b>\$38.25</b>
<b>Total payroll cost</b>	<b>\$32,895.21</b>

Less Reimbursements (refunded dependent insurance deduction paid by employee)	472.25
Plus Employee Insurance paid on behalf of an employee not working the second pay period of the month	-280.64
Net Total Payroll Costs	<b>\$33,086.82</b>

**Item A** →



# Churchill County Mosquito, Vector & Noxious Weed Abatement District

## Monthly Expenses by Vendor Detail

January 2024

NAME	DATE	ACCOUNT	MEMO/DESCRIPTION	AMOUNT
<b>Bank of America Business Card</b>				
Bank of America Business Card	01/08/2024	01.5345 Services & Supplies:Bank & Other Fees	Late Payment Fee	29.00
Bank of America Business Card	01/12/2024	01.5345 Services & Supplies:Bank & Other Fees	Finance Charges	8.84
<b>Total for Bank of America Business Card</b>				<b>\$37.84</b>
<b>Big R Inc</b>				
Big R Inc	01/23/2024	01.5330 Services & Supplies:Operating Supplies	Tension Ratchet Straps	59.96
<b>Total for Big R Inc</b>				<b>\$59.96</b>
<b>Branch Automotive, LLC</b>				
Branch Automotive, LLC	01/24/2024	01.5385 Services & Supplies:Repairs - Vehicle	1998 Chevy 3500 Repair Fuel Injectors & Exhaust	737.76
<b>Total for Branch Automotive, LLC</b>				<b>\$737.76</b>
<b>Deluxe Business Forms</b>				
Deluxe Business Forms	01/31/2024	01.5320 Services & Supplies:Office Supplies	Deposit Books for US Bank Checking Account	80.50
<b>Total for Deluxe Business Forms</b>				<b>\$80.50</b>
<b>Dowd Bookkeeping Services LLC</b>				
Dowd Bookkeeping Services LLC	01/04/2024	01.5366 Services & Supplies:Computer Software & Online Subs	QuickBooks Online Essentials & Core Payroll Fees (Dec 9 to Jan 9)	132.30
Dowd Bookkeeping Services LLC	01/04/2024	01.5361 Services & Supplies:Accounting & Audit Fees	Bookkeeping December 2023	1,250.00
<b>Total for Dowd Bookkeeping Services LLC</b>				<b>\$1,382.30</b>
<b>Joseph Sanford</b>				
Joseph Sanford	01/18/2024	01.5360 Services & Supplies:Legal Fees	July to December 2023 Legal Services for Board	600.00
<b>Total for Joseph Sanford</b>				<b>\$600.00</b>
<b>Louie's Ace Home Center</b>				
Louie's Ace Home Center	01/09/2024	01.5330 Services & Supplies:Operating Supplies	Contractor Bag 55 gal 15 pack	16.99
Louie's Ace Home Center	01/10/2024	01.5330 Services & Supplies:Operating Supplies	Contractor Bag 55 gal 15 pack	16.99
<b>Total for Louie's Ace Home Center</b>				<b>\$33.98</b>
<b>Maverick</b>				
Maverick	01/10/2024	01.5260 Services & Supplies:Gasoline & Oil	20.969 gallons at \$3.219	67.50
<b>Total for Maverick</b>				<b>\$67.50</b>
<b>Napa Auto &amp; Truck Parts</b>				
Napa Auto & Truck Parts	01/09/2024	01.5385 Services & Supplies:Repairs - Vehicle	Batteries	151.82
Napa Auto & Truck Parts	01/16/2024	01.5385 Services & Supplies:Repairs - Vehicle	Oil & Oil Filters	37.30
Napa Auto & Truck Parts	01/23/2024	01.5385 Services & Supplies:Repairs - Vehicle	Oil & Belt	48.58
Napa Auto & Truck Parts	01/23/2024	01.5380 Services & Supplies:Repairs - Equipment	Oil	24.59
Napa Auto & Truck Parts	01/25/2024	01.5380 Services & Supplies:Repairs - Equipment	Fuse Kit	27.99
<b>Total for Napa Auto &amp; Truck Parts</b>				<b>\$290.28</b>
<b>Nevada Public Agency Insurance Pool</b>				
Nevada Public Agency Insurance Pool	01/22/2024	01.5120 Benefits:Workers Compensation	Quarter 2 2023-24 Workers Comp Ins Premium	3,927.50
<b>Total for Nevada Public Agency Insurance Pool</b>				<b>\$3,927.50</b>
<b>NV Energy</b>				
NV Energy	01/04/2024	01.5441 Services & Supplies:Utilities - Electric	Electricity 11/29 to 12/29/2024	313.75
<b>Total for NV Energy</b>				<b>\$313.75</b>
<b>Office Products Inc</b>				
Office Products Inc	01/05/2024	01.5320 Services & Supplies:Office Supplies	Base rate	49.99
Office Products Inc	01/05/2024	01.5320 Services & Supplies:Office Supplies	Color & B/W Copies over Contract	73.34
<b>Total for Office Products Inc</b>				<b>\$123.33</b>
<b>Optum Bank</b>				
Optum Bank	01/01/2024	01.5141 Benefits:Health Insurance - HSA	January 2023	150.00
<b>Total for Optum Bank</b>				<b>\$150.00</b>
<b>Skip's Market</b>				
Skip's Market	01/25/2024	01.5260 Services & Supplies:Gasoline & Oil	16.212 gallons at \$2.899 per gallon	47.00
<b>Total for Skip's Market</b>				<b>\$47.00</b>
<b>State of Nevada, DETR</b>				
State of Nevada, DETR	01/18/2024	01.5130 Benefits:Unemployment	Cruz Quiroz weeks ending 12/16/2023 to 12/23/2023	922.00



# Churchill County Mosquito, Vector & Noxious Weed Abatement District

## Monthly Expenses by Vendor Detail

January 2024

NAME	DATE	ACCOUNT	MEMO/DESCRIPTION	AMOUNT
<b>Total for State of Nevada, DETR</b>				<b>\$922.00</b>
WiarCom Inc				
WiarCom Inc	01/10/2024	01.5390 Services & Supplies:Communications	Wireless 01/10-02/09/2024	87.80
<b>Total for WiarCom Inc</b>				<b>\$87.80</b>
<b>Grand Total</b>				<b>\$8,861.50</b>

Item B →



# Churchill County Mosquito, Vector & Noxious Weed Abatement District

## Monthly Profit and Loss

January 2024

	TOTAL
<b>Income</b>	
01.4000 Property Taxes	
01.4040 Real Property Tax - Current	101,897.90
01.4050 Real Property Tax - Delinquent	240.76
01.4080 Personal Property Tax - Current	67,617.44
01.4090 Personal Property Tax - Delinquent	627.06
<b>Total 01.4000 Property Taxes</b>	<b>170,383.16</b>
01.4101 Inter-Governmental Revenue	
01.4110 Consolidated Tax Revenue	35,957.20
01.4130 AB104 Fairshare Revenues	8,869.57
<b>Total 01.4101 Inter-Governmental Revenue</b>	<b>44,826.77</b>
<b>Total Income</b>	<b>\$215,209.93</b>
<b>GROSS PROFIT</b>	<b>\$215,209.93</b>
<b>Expenses</b>	
01.5000 Wages	
01.5030 Salary - Management	14,583.66
01.5040 Salary - Full-time	6,065.06
01.5045 Salary - Part-time	621.86
01.5070 Board Compensation	500.00
01.5080 Board Secretary	75.00
<b>Total 01.5000 Wages</b>	<b>21,845.58</b>
01.5100 Benefits	
01.5110 Retirement Contribution	6,336.11
01.5120 Workers Compensation	3,927.50
01.5130 Unemployment	922.00
01.5140 Health Insurance	4,572.42
01.5141 Health Insurance - HSA	150.00
01.5150 Social Security & Medicare	332.71
<b>Total 01.5100 Benefits</b>	<b>16,240.74</b>
01.5200 Services & Supplies	
01.5260 Gasoline & Oil	114.50
01.5320 Office Supplies	203.83
01.5330 Operating Supplies	93.94
01.5345 Bank & Other Fees	37.84
01.5360 Legal Fees	600.00
01.5361 Accounting & Audit Fees	1,250.00
01.5366 Computer Software & Online Subs	132.30
01.5380 Repairs - Equipment	52.58
01.5385 Repairs - Vehicle	975.46
01.5390 Communications	87.80



# Churchill County Mosquito, Vector & Noxious Weed Abatement District

## Monthly Profit and Loss

January 2024

	TOTAL
01.5441 Utilities - Electric	313.75
<b>Total 01.5200 Services &amp; Supplies</b>	<b>3,862.00</b>
<b>Total Expenses</b>	<b>Item C → \$41,948.32</b>
NET OPERATING INCOME	\$173,261.61
NET INCOME	\$173,261.61