

# WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

## WEEK 35: AUGUST 25 TO AUGUST 31, 2024

### PAST WEEK'S TREATMENT SUMMARY

Mosquito larvacide surveillance and treatments continue to be made as needed throughout the Owens Valley and the Mammoth Lakes District. Larvacide applications were applied in the north and northeast pastures near Bishop. Significant efforts have been made to mitigate larval finds along the Owens River area. Treatments have gone out in flood irrigated pastures north and east of Big Pine this week, along with the old river channels east of town. Adult mosquito populations in the Independence area have been low due to larvacide treatments east of town. Treatments were also made at the Rodeo Ponds on the west side of Lone Pine.

The Owens River out of Pleasant Valley is still running high at over 600 cfs. This is causing some high-density floodwater mosquito breeding habitat. OVMAP staff have made substantial amounts of larvacide treatments along the river oxbows this week. We continue to monitor this situation and have plans for adult ULV fog treatments next week as necessary.

OVMAP staff has set up our Public Outreach - Mosquito Booth at the Tri-County Fair this week. If you get a chance, please stop by and feed the hungry mosquito fish some live mosquito larvae.



Photo on the left is a variety of three different adult mosquito genera and four different species, on the right is our Community Outreach Mosquito Fair Booth.



Report Prepared by:  
Owens Valley Mosquito Abatement Program and Mammoth Lakes Mosquito Abatement District  
Administered by Inyo and Mono Counties Agricultural Commissioner's Office  
1360 N. Main St. Rm 230, Bishop, CA, 93514  
760.873.7860

**ENCEPHALITIS VECTOR SURVEY (EVS) TRAP COLLECTION RESULTS**

	<i>Culex tarsalis</i>	<i>Culex erythrothorax</i>	<i>Anopheles freebornii</i>	<i>Anopheles franciscanus</i>	<i>Aedes melanimon</i>	<i>Aedes nigromaculis</i>	<i>Aedes increpitus</i>	<i>Aedes tahoensis</i>	<i>Culiseta inornata</i>	<i>Culiseta incidens</i>	TOTAL
Mammoth Lakes (Tamarack)	No Mosquitos Detected										0
Mammoth Lakes (Snowcreek)	0	0	0	0	0	0	0	1	0	0	1
Bishop (Bear Creek)	18	0	1	0	0	0	0	0	0	0	19
Bishop (Williams Creek)	1	0	0	0	0	0	0	0	0	0	1
Bishop (Van Loon)	2	0	0	0	0	0	0	0	0	0	2
Bishop (Airport Road)	2	0	0	0	5	0	0	0	0	0	7
Big Pine (Klondike Lake)	7	11	8	0	1	0	0	0	0	0	27
Big Pine (Rolling Green)	Trap Failure										0
Big Pine (Big Pine Creek)	4	0	0	0	0	0	0	0	0	0	4
Tinemaha	15	0	0	0	17	0	0	0	0	0	32
<b>TOTAL</b>	<b>49</b>	<b>11</b>	<b>9</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>93</b>

**ANALYSIS OF COLLECTION RESULTS**

EVS traps were positioned along the north district run (Mammoth Lakes to Tinemaha) this week. Nine of the ten traps set ran well with no malfunctions. The Big Pine Rolling Green trap failed. Adult mosquito abundance has shown a decrease for the north district run this week. The total amount of mosquitoes collected were 93 compared to 129 on the last north run, 2 weeks ago. Most of the mosquitoes came from the Tinemaha trap with 15 *Culex tarsalis* and 17 *Aedes melanimon*. Klondike Lake collected a variety of mosquito species with 7 *Culex tarsalis*, 11 *Culex erythrothorax*, 8 *Anopheles freebornii* and 1 *Aedes melanimon*. Bear Creek north of Bishop had 18 *Culex tarsalis* and 1 *Anopheles freebornii*. The Airport Road trap in Bishop produced 2 *Culex tarsalis* and 5 *Aedes melanimon*. The Bishop Van Loon trap caught 2 *Culex tarsalis*. Williams Creek trap had 1 *Culex tarsalis* and Snowcreek in Mammoth only produced 1 *Aedes tahoensis*. No mosquitoes had been detected in the Mammoth Tamarack EVS trap.

The BG Sentinel traps only collected a few mosquitoes this week. The Old Mammoth trap collected 1 *Aedes tahoensis*. Bishop caught 1 *Culex tarsalis*. Lone Pine had 1 *Culex tarsalis*. None of the other BGS traps produced any mosquitoes. No invasive *Aedes* species were detected.

Next week, EVS traps will be deployed along the south district run from (Aberdeen to Cartago).

**DISEASE TESTING SUMMARY**

OVMAP did not collect enough blood fed *Culex* specimens to send out any Mosquito Pool samples this week.