

# WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

## WEEK 29: JULY 14 TO JULY 20, 2024

### PAST WEEK'S TREATMENT SUMMARY

Mosquito larvacide surveillance and treatments continue to be made as needed throughout the Owens Valley and the high country including the Mammoth Lakes District. Larvacide applications were applied around the east and south pastures near Bishop. Significant efforts have been made to mitigate larval finds in the Warm Springs road area and the Yribarren Ranch. Treatments have gone out south of Big Pine this week including the Tinemaha and Calvert Slough areas. Treatments were also made in the Lone Pine area and Cabin Bar Ranch near Cartago.

The Lower Owens River Project water flows are running steady around 90 cfs. OVMAP staff are monitoring this closely and making larvacide applications as necessary.

A CO2 trapping run was completed on Owens Dry Lake this week. Four of the five traps set worked well, ODL trap #5 failed. Trap #1 Collected 1 *Culex tarsalis*. No mosquitoes had been detected in any of the remaining EVS traps.

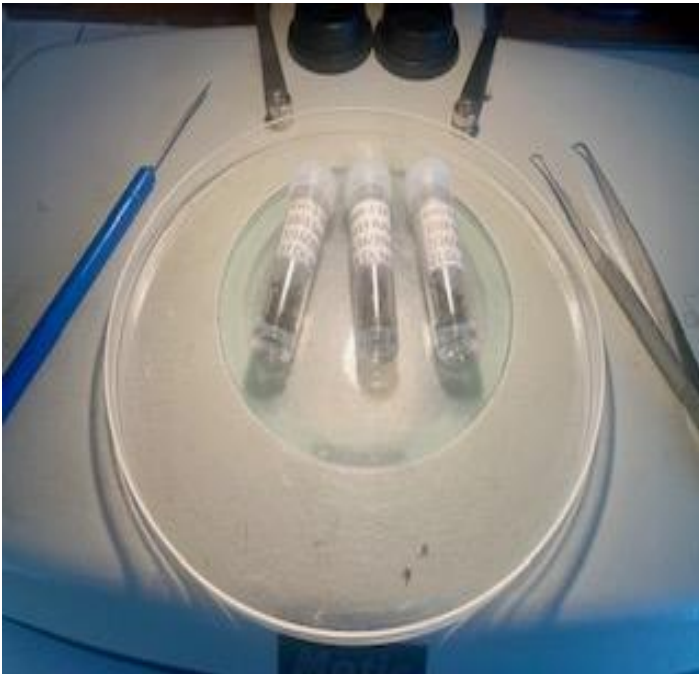


Photo on the left are mosquito pool samples sent out for disease testing and on the right, a ULV fog treatment in the Old Mammoth Lakes area.



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## ENCEPHALITIS VECTOR SURVEY (EVS) TRAP COLLECTION RESULTS

	<i>Culex tarsalis</i>	<i>Culex erythrothorax</i>	<i>Anopheles freebornii</i>	<i>Anopheles fransiscanus</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>	<b>TOTAL</b>
Mammoth Lakes (Tamarack)	21	0	0	0	0	0	0	8	2	0	<b>22</b>
Mammoth Lakes (Snowcreek)	Trap Failure										<b>0</b>
Bishop (Williams Creek)	Trap Failure										<b>0</b>
Bishop (Bear Creek)	7	0	0	0	1	0	0	0	0	0	<b>8</b>
Bishop (Van Loon)	1	0	0	0	0	0	0	0	0	0	<b>1</b>
Bishop (Airport Road)	37	2	1	0	32	0	0	0	0	0	<b>72</b>
Big Pine (Klondike Lake)	14	8	13	0	4	0	0	0	0	0	<b>39</b>
Big Pine (Rolling Green)	26	0	0	0	0	0	0	0	0	0	<b>26</b>
Big Pine (Big Pine Creek)	6	0	1	0	0	0	0	0	0	0	<b>7</b>
Tinemaha	17	0	3	0	2	0	0	0	0	0	<b>22</b>
<b>TOTAL</b>	<b>129</b>	<b>10</b>	<b>18</b>	<b>0</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>206</b>

## ANALYSIS OF COLLECTION RESULTS

EVS traps were positioned along the north district run (Mammoth Lakes to Tinemaha) this week. Eight of the 10 traps set ran well with no malfunctions. The Snowcreek and Williams Creek traps failed. Adult mosquito abundance has shown a slight decrease for the north district run this week. The total amount of mosquitoes collected was 206 compared to 262 on the last north run, 2 weeks ago. Most of the mosquitoes came from the Airport Road trap, collecting 37 *Culex tarsalis*, 2 *Culex erythrothorax*, 1 *Anopheles freeborni* and 32 *Aedes melanimon*. Second place went to the Klondike Lake trap with 14 *Culex tarsalis*, 8 *Culex erythrothorax*, 13 *Anopheles freeborni* and 4 *Aedes melanimon*. Coming in third was the Rolling green trap north of Big Pine; it had 26 *Culex tarsalis*. The Tinemaha trap produced 17 *Culex tarsalis*, 3 *Anopheles freeborni* and 2 *Aedes melanimon*. Tamarack in Mammoth Lakes had 21 *Culex tarsalis*, 8 *Aedes tahoensis* and 2 *Culiseta Inornata*. Bear Creek caught 7 *Culex tarsalis* and 1 *Aedes melanimon*. Big Pine Creek collected 6 *Culex tarsalis* and 1 *Anopheles freeborni*. Van Loon only captured 1 lonely *Culex tarsalis*. No mosquitoes had been detected in any of the remaining 2 EVS traps.

The BG Sentinel traps collected mosquitoes this week. The Mammoth trap caught 107 *Culex tarsalis*, 7 *Culiseta Inornata*, 2 *Aedes tahoensis* and 2 *Culiseta incidens*. Bishop BGS trap collected 412 *Culex tarsalis* and 5 *Aedes melanimon* and 13 *Culiseta inornata*. Big Pine had 252 *Culex tarsalis* and 2 *Aedes melanimon*. Independence picked up 50 *Culex tarsalis* and 1 *Anopheles freeborni*. Lone Pine produced only 7 *Culex tarsalis* this week. No invasive *Aedes* species were detected.

## DISEASE TESTING SUMMARY

OVMAP sent out 3 Mosquito Pool Samples to be tested for West Nile virus (WNV), Saint Louis encephalitis virus (SLEV) and Western equine encephalitis (WEE). The samples came from 3 different locations near the Mammoth, Bishop and Big Pine areas, they were shipped to the UC Davis laboratory staff tested negative for all viruses.