

# WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

## WEEK 29: JULY 16 TO JULY 22, 2023

### 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 Old Mammoth Lakes, the north, 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 north and east of Big Pine this week including the Klondike Lake area. Treatments were also made in the Independence and Lone Pine areas including Diaz Lake. Larvacide treatments have been applied along the Owens River and the LORP.

The Lower Owens River Project water flows are still running high. OVMAP staff are monitoring this closely and making larvacide applications as necessary.

ULV fogging applications were made in Old Mammoth Lakes, Bishop, Yribarren Ranch and the Independence areas this week to control excessive biting adult mosquitoes.



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 franciscanus</i>	<i>Aedes melanimon</i>	<i>Aedes nigromaculis</i>	<i>Aedes increpitus</i>	<i>Aedes taioensis</i>	<i>Culiseta inornata</i>	<i>Culiseta incidens</i>	<b>TOTAL</b>
Mammoth Lakes (Tamarack)	541	0	0	0	0	0	0	3	121	2	<b>667</b>
Mammoth Lakes (Snowcreek)	0	0	0	0	0	0	0	2	0	0	<b>2</b>
Bishop (Bear Creek)	<i>No Mosquitos Detected</i>										<b>0</b>
Bishop (Williams Creek)	582	2	0	0	3	0	0	0	84	0	<b>671</b>
Bishop (Van Loon)	1	0	0	0	0	0	0	0	0	0	<b>1</b>
Bishop (Airport Road)	1	0	0	0	0	0	0	0	0	0	<b>1</b>
Big Pine (Klondike Lake)	<i>No Mosquitos Detected</i>										<b>0</b>
Big Pine (Rolling Green)	4	0	0	0	0	0	0	0	0	0	<b>4</b>
Big Pine (Big Pine Creek)	1	0	0	0	0	0	0	0	0	0	<b>1</b>
Tinemaha	245	2	3	0	59	0	0	0	7	0	<b>316</b>
<b>TOTAL</b>	<b>1375</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>62</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>212</b>	<b>2</b>	<b>1663</b>

## ANALYSIS OF COLLECTION RESULTS

EVS traps were positioned along the north district run (Mammoth Lakes to Tinemaha) this week. All ten traps set ran well with no malfunctions. Adult mosquito abundance has increased for the north district run this week. The total amount of mosquitoes collected was 1663 compared to 513 on the last north run, 2 weeks ago. Most of the mosquitoes came from the Williams Creek trap, collecting 582 *Culex tarsalis*, 2 *Culex erythrothorax*, 3 *Aedes melanimon* and 84 *Culiseta inornata*. A close second went to the Tamarack trap in Old Mammoth with 541 *Culex tarsalis*, 3 *Aedes taioensis*, 121 *Culiseta inornata* and 2 *Culiseta incidens*. Third place went to the Tinemaha trap south of Big Pine; it had 245 *Culex tarsalis*, 2 *Culex erythrothorax*, 3 *Anopheles freebornii*, 59 *Aedes melanimon* and 7 *Culiseta inornata*. The Rolling green trap produced 4 *Culex tarsalis*. Snow Creek in Mammoth Lakes had 2 *Aedes taioensis*. Van Loon, Airport Road and Big Pine Creek only caught 1 *Culex tarsalis* each. 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 taioensis* 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 freebornii*. Lone Pine produced only 7 *Culex tarsalis* this week. 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

We shipped out 11 Mosquito Pool Samples to be tested this week. Results pending...