

WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

WEEK 39: SEPTEMBER 24 TO SEPTEMBER 30, 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 are beginning to show a gradual decline this week, although, treatments are still being applied in the north and east pastures near Bishop. Treatments have gone out north and east of Big Pine including Klondike Lake this week. Treatments were also applied along the Owens River and Calvert Slough areas near Aberdeen. Treatments have gone out east of Independence and Lone Pine along with Diaz Lake.

Both the upper and lower Owens River water flows have been holding steady, allowing us access to mosquito breeding sites. OVMAP staff are monitoring these and making larvacide applications as necessary.

No ULV fog treatments have been performed this week.



Photo on the left is a ULV fog treatment at the Laws Railroad Museum from last week, on the right is the Mosquito Pool samples that were sent out this week.



Report Prepared by:
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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 tahoenis</i>	<i>Culiseta inornata</i>	<i>Culiseta incidens</i>	TOTAL
Mammoth Lakes (Tamarack)	Not Set										0
Mammoth Lakes (Snowcreek)	Not Set										0
Bishop (Bear Creek)	No Mosquitos Detected										0
Bishop (Williams Creek)	No Mosquitos Detected										0
Bishop (Van Loon)	No Mosquitos Detected										0
Bishop (Airport Road)	421	23	0	0	8	0	0	0	4	0	456
Big Pine (Klondike Lake)	5	56	0	0	13	0	0	0	0	0	74
Big Pine (Rolling Green)	0	0	0	0	6	0	0	0	0	0	6
Big Pine (Big Pine Creek)	No Mosquitos Detected										0
Tinemaha	0	0	0	0	1	0	0	0	0	0	1
TOTAL	426	79	0	0	28	0	0	0	4	0	537

ANALYSIS OF COLLECTION RESULTS

EVS traps were positioned along the north district run (Mammoth Lakes to Tinemaha) this week. All eight traps set ran well with no malfunctions. The total amount of mosquitoes collected was 537. Most of the mosquitoes came from the Airport Road trap east of Bishop with a variety of mosquito species, collecting 421 *Culex tarsalis*, 23 *Culex erythrothorax*, 4 *Culiseta inornata* and 8 *Aedes melanimon*. Coming in second was the Klondike Lake trap. It collected 5 *Culex tarsalis*, 56 *Culex erythrothorax*, and 13 *Aedes melanimon*. Third place went to the Rolling Green trap; it caught 6 *Aedes melanimon*. Tinemaha only produced 1 single *Aedes melanimon*. No mosquitoes had been detected in any of the remaining EVS traps.

The BG Sentinel traps collected a few mosquitoes this week. The Bishop trap caught 14 *Culex tarsalis* and 1 *Culiseta inornata*. Independence caught 2 *Culex tarsalis*. Lone Pine had 8 *Culex tarsalis*. None of the other BGS traps produced any mosquitoes. No invasive *Aedes* species were detected.

A CO2 EVS trapping run was completed on the Owens Dry Lake this week which caught 2 *Culex erythrothorax* mosquitoes in trap # 1. Traps # 4 and #5 failed. No mosquitoes had been detected in any of the remaining EVS traps.

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

DISEASE TESTING SUMMARY

OVMAP sent out 8 Mosquito Pool samples for disease testing this week. The samples were collected from the Klondike Lake and Airport Road areas. All eight samples have tested negative for West Nile virus (WNV), Saint Louis encephalitis virus (SLEV) and Western equine encephalitis (WEE).