

WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

WEEK 41: OCTOBER 8 TO OCTOBER 14, 2023

PAST WEEK'S TREATMENT SUMMARY

Mosquito larvacide surveillance and treatments continue to be made as needed throughout the Owens Valley. Larvacide applications continue 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. Treatments have also been made east of Independence and Lone Pine.

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 variety of four different mosquito species, on the right is the two Mosquito Pool samples that were sent out this week.



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 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>	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)	105	5	0	0	5	0	0	0	0	1	116
Big Pine (Klondike Lake)	0	1	0	0	0	0	0	0	0	0	1
Big Pine (Rolling Green)	0	0	0	0	1	0	0	0	0	0	1
Big Pine (Big Pine Creek)	No Mosquitos Detected										0
Tinemaha	1	0	0	0	2	0	0	0	0	0	3
TOTAL	106	6	0	0	8	0	0	0	0	1	121

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 121. Most of the mosquitoes came from the Airport Road trap east of Bishop with a variety of mosquito species, collecting 105 *Culex tarsalis*, 5 *Culex erythrothorax*, 1 *Culiseta incidens* and 5 *Aedes melanimon*. Next was the Tinemaha trap. It contained 1 *Culex tarsalis* and 2 *Aedes melanimon*. Klondike Lake caught 1 *Culex erythrothorax*. Rolling Green 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 10 *Culex tarsalis* and 1 *Culiseta inornata*. Big Pine had 2 *Culex tarsalis* and 1 *Aedes melanimon*. None of the other BGS traps produced any mosquitoes. No invasive *Aedes* species were detected.

A CO₂ EVS trapping run was completed on Owens Dry Lake this week which didn't collect any mosquitoes. Trap #4 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 2 Mosquito Pool samples for disease testing this week. The samples were collected from the Bishop Airport Road area. Both samples have tested negative for West Nile virus (WNV), Saint Louis encephalitis virus (SLEV) and Western equine encephalitis (WEE).