

WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

WEEK 37: SEPTEMBER 8 TO SEPTEMBER 14, 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. Treatments have gone out north of Big Pine this week. Adult mosquito populations in the Independence area have been low due to larvacide treatments east of town. Lone Pine had larvacide applications east and west of town including Kemp Field and Diaz Lake. Treatments were also made at the Soda Ponds area near Cartago.

The Owens River Gorge is releasing higher than normal water flows this week. In response to this, flows coming out of Pleasant Valley are on the rise to around 650 cfs. OVMAP staff have made several larvacide treatments and will continue to monitor this situation.

CO2 trapping and possible ULV fog treatments have been scheduled for the Millpond Music Festival next week.



Photo on the left is a typical source of immature mosquito larvae, on the right is a variety of four different species of adult mosquitoes taken from the Klondike Lake trap 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 fransiscanus</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>	TOTAL
Mammoth Lakes (Snowcreek)	No Mosquitos Detected										0
Mammoth Lakes (Tamarack)	1	0	0	0	0	0	0	0	0	0	1
Bishop (Bear Creek)	2	0	0	0	0	0	0	0	0	0	2
Bishop (Williams Creek)	1	0	0	0	3	0	0	0	0	0	1
Bishop (Van Loon)	9	0	0	0	0	0	0	0	0	0	9
Bishop (Airport Road)	2	0	0	0	1	0	0	0	0	0	3
Big Pine (Klondike Lake)	11	10	1	0	8	0	0	0	0	0	30
Big Pine (Rolling Green)	No Mosquitos Detected										0
Big Pine (Big Pine Creek)	6	0	0	0	0	0	0	0	0	0	6
Tinemaha	2	0	0	0	7	0	0	0	0	0	9
TOTAL	34	10	1	0	16	0	0	0	0	0	61

ANALYSIS OF COLLECTION RESULTS

EVS traps were positioned along the north district run (Mammoth Lakes to Tinemaha) this week. All of the ten traps set ran well with no malfunctions. Adult mosquito abundance has shown a decrease for the north district run this week. The total amount of mosquitoes collected was 60 compared to the 90 that was collected two weeks ago on the previous north run. Most of the mosquitoes came from the Klondike Lake trap, collecting a variety of mosquitoes with 11 *Culex tarsalis*, 10 *Culex erythrothorax*, 1 *Anopheles freebornii* and 8 *Aedes melanimon*. Tied with second was the Bishop Van Loon trap with 9 *Culex tarsalis* and Tinemaha gathering up 2 *Culex tarsalis* and 7 *Aedes melanimon*. Third place went to the Big Pine Creek trap; it caught 6 *Culex tarsalis*. The Airport Road trap in Bishop produced 2 *Culex tarsalis* and 1 *Aedes melanimon*. Both Tamarack in Mammoth and Williams Creek in Bishop only had 1 *Culex tarsalis* each. No mosquitoes had been detected in any of the remaining EVS traps.

The BG Sentinel traps collected mosquitoes this week. The Mammoth Lakes trap had 2 *Culex tarsalis*. Bishop caught 4 *Culex tarsalis* and 1 *Aedes melanimon*. Big Pine had 1 *Culex tarsalis* and 1 *Aedes melanimon*. 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

We did not collect enough disease transmitting mosquitoes to send out any Mosquito Pool samples this week.