

WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

WEEK 27: JUNE 30 TO JULY 6, 2024

PAST WEEK'S TREATMENT SUMMARY

Mosquito larvacide surveillance and treatments have been ongoing throughout the Owens Valley and the high country including the Mammoth Lakes District. Larvacide applications were made in the north and northeast pastures near Bishop. Significant efforts have been made to mitigate larval finds in the Yribarren Ranch area. Treatments have been made north and east of Big Pine including the Klondike Lake area this week. Independence had treatments made in pastures east of town. Treatments have also been performed in the Lone Pine region. Ongoing surveillance is being carried out as necessary in the Olancha, Cartago and Keeler areas for mosquito activity.

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

Staff performed a barrier treatment in the town of Keeler this week to mitigate the biting flies and nuisance insects

ULV fogging applications have been performed in the Bishop and Independence areas this week.



Photo on the left is a ULV fog treatment in Bishop and on the right, a larvacide application at a green pool in the 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 tahoensis</i>	<i>Aedes increpitus</i>	<i>Aedes dorsalis</i>	<i>Culiseta inornata</i>	<i>Culiseta incidens</i>	TOTAL
Mammoth Lakes (Snowcreek)	79	0	0	0	0	49	0	0	1	0	129
Mammoth Lakes (Tamarack)	37	0	0	0	0	1	0	0	0	0	38
Bishop (Bear Creek)	18	0	0	0	2	0	0	0	0	0	20
Bishop (Williams Creek)	1	0	0	0	0	0	0	0	0	0	1
Bishop (Van Loon)	12	0	0	0	2	0	0	0	0	0	14
Bishop (Airport Road)	55	3	1	0	8	0	0	0	1	0	68
Big Pine (Klondike Lake)	51	5	9	0	27	0	0	1	0	0	93
Big Pine (Rolling Green)	24	0	0	0	19	0	0	0	0	0	43
Big Pine (Big Pine Creek)	9	0	0	0	0	0	0	0	0	0	9
Tinemaha	6	0	1	0	7	0	0	0	0	0	14
TOTAL	292	8	11	0	65	50	0	1	2	0	429

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 runs this week. The total amount of mosquitoes collected was 513 compared to 356 on the last north run, 2 weeks ago. Most of the mosquitoes came from the Snowcreek trap in Mammoth Lakes containing 79 *Culex tarsalis* and 49 *Aedes tahoensis*. Coming in second was Klondike Lake, collecting a variety of mosquitoes with 51 *Culex tarsalis*, 5 *Culex erythrothorax*, 9 *Anopheles freebornii*, 27 *Aedes melanimon* and 1 *Aedes dorsalis*. Third place went to Airport Road; it caught 55 *Culex tarsalis*, 3 *Culex erythrothorax*, 1 *Anopheles freebornii* 8 *Aedes melanimon* and 1 *Culiseta inornata*. The Rolling Green trap north of Big Pine had 24 *Culex tarsalis* and 27 *Aedes melanimon*. Mammoth Lakes Tamarack trap collected 37 *Culex tarsalis* and 1 *Aedes tahoensis*. Bear Creek in Bishop produced 18 *Culex tarsalis*, and 2 *Aedes melanimon*. Van Loon produced 12 *Culex tarsalis* and 2 *Aedes melanimon*. Big Pine Creek had 9 *Culex tarsalis* and Williams Creek only caught 1 *Culex tarsalis*. No mosquitoes had been detected in any of the remaining EVS traps.

The BG Sentinel traps produced a few mosquitoes this week. The Bishop Golf Course trap collected 13 *Culex tarsalis*. Big Pine had 5 *Culex tarsalis*. Mammoth, Independence and Lone Pine BGS traps did not produce 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

Arbovirus disease testing is scheduled to resume in a couple weeks.