

WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

WEEK 30: JULY 21 TO JULY 27, 2024

PAST WEEK'S TREATMENT SUMMARY

OVMAP staff continues to survey and control mosquito populations as necessary throughout the Owens Valley, and the high country, including the Old Mammoth Lakes District. Larvacide treatments have been performed in pastureland's north of the Bishop area this week. Big Pine treatment applications have gone out in pastures north of town, including the Klondike Lake area and Tinemaha. A couple treatments went out east of Independence. Adult mosquito populations have been low in the Lone Pine area due to treatment applications west and south of town along with the Diaz Lake area. Treatments were also made at the Cabin Bar Ranch near Cartago this week.

Lower Owens River Project water flows have been holding steady just under 90 cfs this week. OVMAP staff is monitoring this closely and making treatment applications as necessary.

OVMAP staff performed a barrier treatment in the town of Keeler this morning to control biting flies and nuisance insects.



The photo on the left are the mosquito pool samples from Cartago and the LORP sent to UC Davis for disease testing, on the right is a barrier application using the mist blower in Keeler this morning.



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EVS TRAP COLLECTION RESULTS

	<i>Culex tarsalis</i>	<i>Culex erythrothorax</i>	<i>Anopheles freebornii</i>	<i>Anopheles franciscanus</i>	<i>Anopheles melanimon</i>	<i>Aedes nigromaculis</i>	<i>Aedes dorsalis</i>	<i>Aedes vexans</i>	<i>Culiseta inornata</i>	<i>Culiseta incidens</i>	TOTAL
Aberdeen	Trap Failure										0
Blackrock	3	0	0	0	0	0	0	0	0	0	3
Independence (Tree Farm)	11	0	0	0	0	0	0	0	0	0	11
Independence (Museum)	5	0	0	0	0	0	0	0	0	0	5
Alabama Gates	1	6	0	0	0	0	0	0	0	0	7
Lone Pine (Spainhower Park)	No mosquitoes detected										0
Owens River Delta	9	3	0	0	2	0	0	0	0	0	14
Lone Pine (Trinity Slough)	1	0	0	0	0	0	0	0	0	0	1
Keeler (Swimming Pool)	1	0	0	0	1	0	0	0	0	0	2
Cartago (Soda Ponds)	68	0	4	0	0	0	0	0	0	0	72
LORP near Mazourka	27	0	1	0	1	0	0	0	0	0	29
TOTAL	126	9	5	0	4	0	0	0	0	0	144

ANALYSIS OF COLLECTION RESULTS

EVS traps were positioned along the south district run (Aberdeen to Cartago) this week. Ten of the 11 traps set ran well with no malfunctions. The bottom had been disconnected from the Aberdeen trap, so it was counted as a failure.

Adult mosquito populations rose slightly this week for the south trap run. We trapped a total of 144 mosquitoes from 9 different traps, compared to the 119 collected 2 weeks ago. Most of the mosquitoes came from the Cartago Soda Ponds with 68 *Culex tarsalis* and 4 *Anopheles freebornii*. Coming in second was the LORP near Mazourka trap east of Independence. It collected 27 *Culex tarsalis*, 1 *Anopheles freebornii* and 1 *Aedes melanimon*. Third place went to the Owens River Delta trap with a variety of mosquito species containing 9 *Culex tarsalis*, 3 *Culex erythrothorax* and 2 *Aedes melanimon*. Independence Tree Farm caught 11 *Culex tarsalis*. The Independence Museum picked up 5 *Culex tarsalis*. Blackrock had 3 *Culex tarsalis*. The Keeler trap collected 1 *Culex tarsalis* and 1 *Aedes melanimon*. The Lone Pine Trinity Slough trap only had 1 *Culex tarsalis*. All the other EVS traps did not produce any mosquitoes.

Our BG Sentinel traps also caught mosquitoes this week. The Mammoth Lakes trap collected 13 *Culex tarsalis* and 1 *Aedes taioensis*. The Bishop Golf Course caught 13 *Culex tarsalis*. Big Pine had 7 *Culex tarsalis*. Lone Pine with 3 *Culex tarsalis*. No mosquitoes were detected in any of the other remaining BGS traps and no invasive *Aedes* species were detected.

DISEASE TESTING SUMMARY

We sent out two mosquito pool samples from Cartago and the Lower Owens River Project east of Independence this week. All samples tested negative for West Nile virus (WNV), Saint Louis encephalitis virus (SLEV), and Western Equine encephalitis (WEE).