

WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

WEEK 26: JUNE 23 TO JUNE 29, 2024

PAST WEEK'S TREATMENT SUMMARY

Mosquito surveillance and larvicide treatments have been made in the high country including Aspendell and the Mammoth Lakes areas. Mosquito larvicide applications have also been performed along the Owens River, in pastureland's east, and south of Bishop, including the Yribarren Ranch. Some fields north, east and south of Big Pine have shown larval activity and are receiving treatment, along with the Klondike Lake area. Larvicide treatments have also gone out in the Tinemaha area. Adult mosquito populations have been low in the Independence and Lone Pine communities due to treatment applications east of Independence and some of the Lone Pine areas.

The Lower Owens River Project flows have been holding steady around 90 cfs this week. OVMAP staff have this under close surveillance and making larvicide applications as necessary. Mosquito activity has increased in the high country.

A ULV fogging application was performed for an outdoor wedding near Bishop last week.



On the left is a larval sample taken near the Owens River east of Big Pine, and on the right, is a fog application for a wedding near Bishop.



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EVS TRAP COLLECTION RESULTS

	<i>Culex tarsalis</i>	<i>Culex erythrothorax</i>	<i>Culex freebornii</i>	<i>Anopheles franciscanus</i>	<i>Anopheles</i>	<i>Aedes melanimon</i>	<i>Aedes nigromaculis</i>	<i>Aedes dorsalis</i>	<i>Aedes vexans</i>	<i>Culiseta inornata</i>	<i>Culiseta incidens</i>	TOTAL
Aberdeen	2	0	0	0	0	0	0	0	0	0	0	2
Blackrock	<i>No mosquitos detected</i>											0
Independence (Tree Farm)	8	0	0	0	0	0	0	0	0	0	0	8
Independence (Museum)	9	0	0	0	0	0	0	0	0	0	0	9
Alabama Gates	18	110	1	0	0	1	0	0	0	0	0	130
Lone Pine (Trinity Slough)	12	2	0	0	0	2	0	0	0	0	0	16
Lone Pine Park	<i>No mosquitos detected</i>											0
Owens River Delta	17	10	0	0	0	1	0	0	0	0	0	28
LORP near Mazourka	<i>No mosquitos detected</i>											0
Keeler (Swimming Pool)	36	0	0	0	0	0	0	0	0	8	0	36
Cartago (Soda Ponds)	30	1	20	0	0	0	0	0	0	0	0	51
TOTAL	132	123	21	0	0	4	0	0	0	0	0	280

ANALYSIS OF COLLECTION RESULTS

CO2 baited EVS traps were positioned along the south district run (Aberdeen to Cartago) this week. All eleven traps set ran well with no malfunctions. No mosquitoes were detected in the Blackrock, Lone Pine Park and LORP near Mazourka traps.

OVMAP staff has been working hard on keeping the adult mosquito abundance out of our communities for the upcoming Fourth of July festivities next week. Our CO2 traps collected a total of 280 mosquitoes this week, substantially less than last year's week 26 south trap run total of 13,885. What a difference a year makes, along with less snow melt run-off and experienced staff. Most mosquitoes came from the Alabama Gates trap; it collected 18 *Culex tarsalis*, 110 *Culex erythrothorax*, 1 *Anopheles freebornii* and 1 *Aedes melanimon*. Second place went to the Cartago Soda Ponds trap with 30 *Culex tarsalis*, 1 *Culex erythrothorax* and 20 *Anopheles freebornii*. Coming in third was the Keeler trap, it caught 36 *Culex tarsalis*. Owens River Delta had 17 *Culex tarsalis*, 10 *Culex erythrothorax* and 1 *Aedes melanimon*. Lone Pine Trinity Slough produced 12 *Culex tarsalis*, 2 *Culex erythrothorax* and 2 *Aedes melanimon*. Independence Museum captured 9 *Culex tarsalis*, followed closely with 8 *Culex tarsalis* was the Independence Tree Farm. Aberdeen only collected 2 *Culex tarsalis*. All of the remaining EVS traps did not produce any mosquitoes.

Our BG Sentinel traps collected 13 *Culex tarsalis*, 1 *Culiseta inornata* and 1 *Culiseta incidens* from the Mammoth Lakes trap. Bishop picked up 12 *Culex tarsalis*. Big Pine had 13 *Culex tarsalis*. Lone Pine caught 10 *Culex tarsalis*. No mosquitoes were detected in the Independence BGS trap. No invasive *Aedes* species were detected either.

Next week, EVS traps will be deployed along the north district run from Mammoth Lakes to Tinemaha.

DISEASE TESTING SUMMARY

No Mosquito Pool samples were sent out this week. Arbovirus Surveillance will resume later on in July.