

WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

WEEK 24: JUNE 9 TO JUNE 15, 2024

PAST WEEK'S TREATMENT SUMMARY

Mosquito Larvacide applications have been performed in pastureland's north, east, and south of Bishop, including the Yribarren Ranch. Mosquito surveillance and treatments have been made in the high country near Aspendell and the Mammoth Lakes areas. Some fields north and east of Big Pine have shown larval activity and are receiving treatment, along with the Klondike Lake and Tinemaha areas. Larvacide treatments have also gone out in the Calvert Slough area east of Aberdeen along with treatments in Cartago and Lone Pine. OVMAP staff is monitoring mosquito populations in Independence, Lone Pine and the Lower Owens River Project due to increased water spreading.

The Lower Owens River Project has had Larvacide treatments also. OVMAP staff is keeping a close eye on water levels with the higher flows during the Seasonal Habitat Flow on the LORP. Adult mosquito activity is still low in the high country although, we're noticing some of the snow melt mosquitoes beginning to emerge.

OVMAP performed communal larvacide treatments along the Lower Owens River Project.

A barrier treatment was made in the town of Keeler this week to mitigate the biting flies and nuisance insects.



OVMAP staff preparing for a communal larvacide treatment along the Lower Owens River area near Lone Pine.



Report Prepared by:
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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>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	1	0	0	0	0	0	0	0	0	0	1
Blackrock	6	0	0	0	2	0	0	0	0	0	8
Independence (Tree Farm)	2	0	0	0	0	0	0	0	0	0	2
Independence (Museum)	8	0	0	0	0	0	0	0	0	0	8
Alabama Gates	Trap failure										0
Lone Pine (Spainhower Park)	1	0	0	0	0	0	0	0	0	0	1
Lone Pine (Trinity Slough)	Trap failure										0
Owens River Delta	21	0	0	0	2	0	0	0	0	0	23
Keeler (Swimming Pool)	40	1	0	0	0	0	0	0	0	0	41
Cartago (Soda Ponds)	51	0	4	0	0	0	0	0	2	1	58
LORP near Mazourka	26	0	1	0	0	0	0	0	0	0	27
TOTAL	156	1	5	0	4	0	0	0	2	1	169

ANALYSIS OF COLLECTION RESULTS

CO2 baited EVS traps were positioned along the south district run (Aberdeen to Cartago) this week. Nine of the eleven traps set ran well with no malfunctions. The Alabama Gates and Trinity Slough traps ran out of CO2 so were counted as failures.

A total of 168 mosquitoes were collected, quite a bit less than the 587 collected from the previous south trap run. Most of the mosquitoes came from the Cartago Soda Ponds trap collecting a variety of mosquitoes with three different *genus* and 4 different *species*; it had 51 *Culex tarsalis*, 4 *Anopheles freebornii*, 2 *Culiseta inornata* and 1 *Culiseta incidens*. The Keeler trap collected 40 *Culex tarsalis*. The Owens River Delta trap caught 21 *Culex tarsalis* and 2 *Aedes melanimon*. The LORP trap caught 26 *Culex tarsalis* and 1 *Anopheles freebornii*. The Independence Museum trap picked up 8 *Culex tarsalis*. Blackrock came up with 6 *Culex tarsalis* and 2 *Aedes melanimon*. The Independence Tree Farm had 2 *Culex tarsalis* with Aberdeen coming in last with only 1 *Culex tarsalis*.

Our BG Sentinel traps collected 23 *Culex tarsalis* from the Bishop Golf Course trap. Big Pine caught 9 *Culex tarsalis*. The Lone Pine trap had 2 *Culex tarsalis*. Mammoth and Independence BGS traps did not catch any mosquitoes this week. 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.