

WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

WEEK 20: MAY 12 TO MAY 18, 2024

PAST WEEK'S TREATMENT SUMMARY

OVMAP employees have returned for another mosquito season, with the addition of one new full-time staff. We would like to welcome our new field technician Sean Fekete.

Field staff have completed all the annual training requirements, including pesticide safety, label & SDS review, respirator fit testing, ATV safety training, equipment calibrations, Owens Valley mosquito biology, Survey 123 pesticide application recording, ODL Snowy Plover training and more...

Mosquito larval treatments have been ongoing for the past several weeks, mostly in flood irrigated pastures throughout the Owens Valley. Larvicide applications have been performed in pastureland's north, east, and south of Bishop including the Warm Springs area and Yribarren Ranch. Some fields north and east of Big Pine have shown larval activity and are receiving treatment, along with the Klondike Lake area. Adult mosquito populations have been somewhat lower within the city limits of Independence and Lone Pine due to treatment applications north and east of Independence, Blackrock, along with a few applications in the Lone Pine area. The Lower Owens River Project has had Larvicide treatments as well.

We have also performed several barrier treatments in the town of Keeler. Mosquito activity has been minimal in the Mammoth Lakes district and the high country.



The 2024 OVMAP Field Staff left to right; Roger Tucker, Sean Fekete, Rob Miller, Tony French, and Robert Vanvelzer.



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>Anopheles melanimon</i>	<i>Aedes nigromaculis</i>	<i>Aedes taheensis</i>	<i>Aedes inorepitus</i>	<i>Culiseta inornata</i>	<i>Culiseta incidens</i>	TOTAL
Aberdeen	10	0	0	0	0	0	0	0	0	0	10
Blackrock	9	0	0	0	0	0	0	0	0	0	9
Independence (Tree Farm)	<i>No mosquitos detected</i>										0
Independence (Museum)	6	0	0	0	0	0	0	0	0	0	6
Alabama Gates	0	278	0	0	0	0	0	0	0	0	278
Lone Pine (Trinity Slough)	20	14	0	0	0	0	0	0	0	0	34
LORP near Mazourka	<i>Trap Failure</i>										0
Lone Pine (Spainhower Park)	0	0	0	0	2	0	0	0	1	0	2
Owens River Delta	10	83	2	0	0	0	0	0	0	0	95
Keeler (Swimming Pool)	3	0	0	0	0	0	0	0	0	0	3
Cartago (Soda Ponds)	49	3	14	0	1	0	0	0	0	1	68
TOTAL	107	378	16	0	3	0	0	0	0	1	505

ANALYSIS OF COLLECTION RESULTS

CO2 baited EVS traps were positioned along the south district run (Aberdeen to Cartago) this week. Ten of the 11 traps that were set ran well with no malfunctions. The LORP near Mazourka trap failed. This was the first EVS trap run of the 2024 season.

A record amount of 505 mosquitoes were collected compared to 138 at this time last year. Most of the mosquitoes came from the Alabama Gates trap with 278 *Culex erythrothorax*. Second in line went to the ODL Delta containing 10 *Culex tarsalis*, 83 *Culex erythrothorax* and 2 *Anopheles freebornii*. Third place went to the Cartago Soda Ponds trap collecting a variety of mosquitoes with four genus and five different species. It had 49 *Culex tarsalis*, 3 *Culex erythrothorax*, 14 *Anopheles freebornii*, 1 *Aedes melanimon*, and 1 *Culiseta incidens*. The Aberdeen trap caught 10 *Culex tarsalis*. The Black Rock trap had 9 *Culex tarsalis*. The Independence Museum came up with 6 *Culex tarsalis*. The Keeler trap produced 3 *Culex tarsalis*. Lone Pine Park caught 2 *Aedes melanimon*. The Independence Tree Farm trap did not produce any mosquitoes.

Our BG Sentinel traps collected 25 *Culex tarsalis* and 1 *Culiseta Inornata* from the Bishop trap, Big Pine caught 5 *Culex tarsalis*. The Independence BGS trap had 1 *Culex tarsalis*. Lone Pine produced 6 *Culex tarsalis*. No invasive *Aedes* species were detected.

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.