

# WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

## WEEK 22: MAY 26 TO JUNE 1, 2024

### PAST WEEK'S TREATMENT SUMMARY

Mosquito Larvacide applications have been performed in The Mammoth Lakes district along with pastureland's north, east, and south of Bishop, including the Warm Springs road area and the 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 low in the Independence and Lone Pine areas due to treatment applications north and east of Independence, along with a few applications in the Lone Pine area including Diaz Lake. Cartago and Keeler also had treatments this week. Mosquito activity is still low in the Mammoth Lakes and high-country areas, although we expect a change soon with the warmer temps in the forecast.

OVMAP staff are monitoring water flows along both the upper Owens River and the Lower Owens River Project. We will be making treatments as necessary during the upcoming seasonal habitat flow on the LORP.

We have also performed several barrier treatments in the town of Keeler in the past few months.



The picture on the left is from our public outreach presentation at the Lone Pine Tribal Earth Day event in Lone Pine last month, the picture on the right is a high-density mosquito larval sample from an Owens River oxbow last week.



Report Prepared by:  
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	<i>Culex tarsalis</i>	<i>Culex erythrothorax</i>	<i>Anopheles freebornii</i>	<i>Anopheles triseriatus</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	<i>Trap Failure</i>										0
Independence (Tree Farm)	3	0	0	0	0	0	0	0	0	0	3
Independence (Museum)	7	0	0	0	0	0	0	0	0	0	7
Alabama Gates	4	388	0	0	3	0	0	0	0	0	395
Lone Pine (Trinity Slough)	24	3	1	0	3	0	0	0	2	0	33
Lone Pine (Spainhower Park)	<i>No mosquitos detected</i>										0
Owens River Delta	<i>No mosquitos detected</i>										0
Keeler (Swimming Pool)	13	0	0	0	0	0	0	0	0	0	13
Cartago (Soda Ponds)	91	1	14	0	1	0	0	0	0	1	108
LORP near Mazourka	19	0	5	0	3	0	0	0	0	0	27
<b>TOTAL</b>	<b>162</b>	<b>392</b>	<b>20</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>587</b>

**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 set ran well with no malfunctions. The Blackrock trap ran lost voltage and was counted as a failure.

A total of 587 mosquitoes were collected, 82 more from the previous south trap run from 2 weeks ago. Eight out of the eleven traps set produced mosquitoes. Most of the mosquitoes came from the Alabama Gates. It had 4 *Culex tarsalis*, 388 *Culex erythrothorax*, and 3 *Aedes melanimon*. Second place went to the Cartago Soda Ponds trap collecting a variety of mosquitoes with four different genus and five different species containing 91 *Culex tarsalis*, 1 *Culex erythrothorax*, 14 *Anopheles freeborni*, 1 *Aedes melanimon* and 1 *Culiseta incidens*. Third was the Trinity Slough trap east of Lone Pine, it also had a variety of species with 24 *Culex tarsalis*, 3 *Culex erythrothorax*, 1 *Anopheles freeborni*, 3 *Aedes melanimon* and 2 1 *Culiseta inornata*. The LORP came up with 19 *Culex tarsalis*, 5 *Anopheles freeborni* and 3 *Aedes melanimon*. Keeler caught 13 *Culex tarsalis*. Independence Museum produced 3 *Culex tarsalis*. The Independence Tree Farm had 3 *Culex tarsalis*. Coming in last was the Aberdeen trap with only 1 lonely *Culex tarsalis*. All the remaining EVS traps did not produce any mosquitoes.

Our BG Sentinel traps collected 8 *Culex tarsalis* from the Bishop trap. Big Pine had 3 *Culex tarsalis*. Lone Pine only caught 1 *Culex tarsalis*. Mammoth Lakes and Independence BGS traps did not catch any mosquitoes this week. No invasive *Aedes* species were detected.

**DISEASE TESTING SUMMARY**

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