

# WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

## WEEK 28: JULY 7 TO JULY 13, 2024

### PAST WEEK'S TREATMENT SUMMARY

Mosquito surveillance and larvacide treatments continue to be made in the high country and Mammoth Lakes areas as necessary. Mosquito larvacide applications have also been performed in pastureland's north, east, and south of Bishop, including the Yribarren Ranch. Some fields east of Big Pine have shown larval activity and are receiving treatment along with the Klondike Lake area. Treatments were also made in the Calvert Slough area near Aberdeen. Adult mosquito populations have been low in the Independence and Lone Pine areas due to treatment applications near Independence and Lone Pine. Mosquito surveillance has been ongoing in the Keeler, Cartago and Olancha areas also.

The LORP flows have been holding steady around 90 cfs at the intake. OVMAP staff has this under surveillance and making larvacide applications as necessary.

ULV fogging applications were performed in the Old Mammoth, Aspendell and Knight Manor areas this week to control biting adult mosquitoes.



On the left is a picture with a variety of mosquitos trapped last week representing 3 different genera and 5 species. On the right, a high-density larvae sample taken from the Calvert Slough area near Aberdeen.



Report Prepared by:

Owens Valley Mosquito Abatement Program and Mammoth Lakes Mosquito Abatement District

Administered by Inyo and Mono Counties Agricultural Commissioner's Office

1360 N. Main St. Rm 230, Bishop, CA, 93514

760.873.7860

## EVS TRAP COLLECTION RESULTS

	<i>Culex tarsalis</i>	<i>Culex erythrothorax</i>	<i>Anopheles freeborni</i>	<i>Anopheles franciscanus</i>	<i>Anopheles melaninon</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
Independence (Tree Farm)	Trap Failure										0
Blackrock	1	0	0	0	0	0	0	0	0	0	1
Independence (Museum)	1	0	0	0	0	0	0	0	0	0	1
Alabama Gates	33	14	2	0	1	0	0	0	0	0	50
Lone Pine (Trinity Slough)	4	0	0	0	0	0	0	0	0	0	4
Lone Pine (Spainhower Park)	1	0	0	0	0	0	0	0	0	0	1
Cartago (Soda Ponds)	No mosquitos detected										0
Keeler (Swimming Pool)	Trap failure										0
Owens River Delta	13	0	1	0	0	0	0	0	0	0	14
LORP near Mazourka	45	0	2	0	0	0	0	0	0	0	47
TOTAL	98	14	6	0	1	0	0	0	0	0	119

## ANALYSIS OF COLLECTION RESULTS

CO2 baited EVS traps were positioned along the south district run (Aberdeen to Cartago) this week. Eight of the eleven traps set ran well with no malfunctions. Aberdeen, Keeler and the Independence Tree Farm traps had failed.

A total of 119 mosquitoes were collected. As expected with all the trap failures, less mosquitoes were caught this week than the 280 that were collected from the previous south trap run. Most of the mosquitoes came from the Alabama Gates trap collecting a variety of mosquitoes with 3 genera and 4 different species. It contained 33 *Culex tarsalis*, 14 *Culex erythrothorax*, 2 *Anopheles freeborni* and 1 *Aedes melaninon*. Coming in second was the LORP near Mazourka trap with 45 *Culex tarsalis* and 2 *Anopheles freeborni*. Third place went to the Owens River Delta trap collecting 13 *Culex tarsalis*, and 1 *Anopheles freeborni*. Lone Pine Trinity Slough trap had 4 *Culex tarsalis*. The Lone Pine Park, Independence Museum and Blackrock traps only captured 1 *Culex tarsalis* each. All of the remaining EVS traps did not produce any mosquitoes.

Our BG Sentinel traps collected 12 *Culex tarsalis* and 1 *Aedes tahoensis* from the Mammoth Lakes trap. Bishop and Big Pine both caught 10 *Culex tarsalis* each. Lone Pine had 3 *Culex tarsalis*. The Independence BGS trap 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 this month.