

WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

WEEK 32: AUGUST 4 TO AUGUST 10, 2024

PAST WEEK'S TREATMENT SUMMARY

OVMAP staff continues to survey and control mosquito populations as necessary throughout the Owens Valley, and the high country, including the Old Mammoth Lakes District. Mosquito larvacide applications have been performed in 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. Adult mosquito populations have been low in the Independence and Lone Pine areas due to treatment applications east of Independence, the Lower Owens River Project, east and west pastures of Lone Pine including the Diaz Lake area.

The LORP flows have gone up to over 100 cfs at the intake this week. OVMAP staff have this under surveillance and making larvacide applications as necessary.

DWP opened the Alabama Gates spillway along with Diaz Siphon for aqueduct inspections this week. We are monitoring both the floodplain areas north of Lone Pine and the Diaz Lake water levels for excessive mosquito breeding. We have been making larvacide treatments as necessary.



On the left is a picture of the Alabama Gates spillway, on the right is the result of water spreading throughout the floodplain south of the Alabama Gates on its way towards 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 transiscanus</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	2	0	0	0	0	0	0	0	0	0	2
Blackrock	<i>No mosquitos detected</i>										0
Independence (Tree Farm)	<i>No mosquitos detected</i>										0
Independence (Museum)	<i>Trap Failure</i>										0
Alabama Gates	13	47	0	0	0	0	0	0	0	0	60
Lone Pine (Trinity Slough)	2	0	0	0	0	0	0	0	0	0	2
Lone Pine (Spainhower Park)	6	0	0	0	0	0	0	0	0	0	6
Owens River Delta	5	1	0	0	0	0	0	0	0	0	6
Keeler (Swimming Pool)	2	0	0	0	0	0	0	0	0	0	2
Cartago (Soda Ponds)	19	0	0	0	0	0	0	0	0	0	19
LORP near Mazourka	18	0	0	0	0	0	0	0	0	0	18
TOTAL	67	48	0	0	0	0	0	0	0	0	115

ANALYSIS OF COLLECTION RESULTS

CO2 baited EVS traps were positioned along the south district run (Aberdeen to Cartago) this week. Ten of the eleven traps set, ran well with no malfunctions. The Independence Museum trap failed.

A total of 115 mosquitoes were collected. Adult mosquito trap numbers are lower this week compared to the 144 that were caught 2 weeks ago on the south run. Most of the mosquitoes came from Alabama Gates trap with 13 *Culex tarsalis* and 47 *Culex erythrothorax*. Coming in second was the Cartago Soda Ponds trap It caught 19 *Culex tarsalis*. Third place went to the LORP 4 Mazourka trap containing 18 *Culex tarsalis*. the ODL Delta trap collected 5 *Culex tarsalis* and 1 *Culex erythrothorax*. Lone Pine Park produced 6 *Culex tarsalis*. Aberdeen, Trinity Slough and Keeler only collected 2 *Culex tarsalis* each. All the remaining EVS traps did not produce any mosquitoes.

Our BG Sentinel traps collected 8 *Culex tarsalis* from the Mammoth Lakes trap. Bishop had 7 *Culex tarsalis*. Big Pine picked up 13 *Culex tarsalis*. Lone Pine caught 1 *Culex tarsalis* and 1 *Culex erythrothorax*. All the remaining 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

OVMAP did not collect enough blood fed *Culex* specimens to send out any Mosquito Pool Samples this week.