

WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

WEEK 33: AUGUST 11 TO AUGUST 17, 2024

PAST WEEK'S TREATMENT SUMMARY

Mosquito larvacide surveillance and treatments continue to be made as needed throughout the Owens Valley and the high country including the Mammoth Lakes District. Larvacide applications were applied in the north and northeast pastures near Bishop. Significant efforts have been made to mitigate larval finds around the Yribarren Ranch. Treatments have gone out north and east of Big Pine this week, along with Tinemaha and the Calvert Slough area east of Aberdeen. Adult mosquito populations in the Lone Pine and Independence areas have been low due to larvacide treatments this week, east of Independence and the west side of Lone Pine, including Diaz Lake.

The Lower Owens River Project water flows are holding steady at around 85 cfs at the intake. OVMAP staff is monitoring this closely and making larvacide applications as necessary. We did receive notice that flows were scheduled to reside from 85 to 50 cfs this weekend.

A ULV fogging application was made on the Yribarren Ranch area this week to control excessive adult mosquitoes.

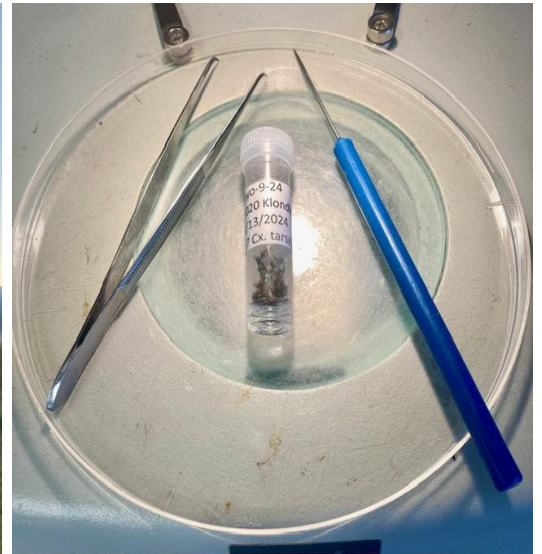


Photo on the left is a ULV fog treatment at the Yribarren Ranch and on the right, a Mosquito Pool Sample being prepared for shipping to UC Davis for disease testing.



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ENCEPHALITIS VECTOR SURVEY (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 increpitus</i>	<i>Aedes tahoensis</i>	<i>Culiseta inornata</i>	<i>Culiseta incidens</i>	TOTAL
Mammoth Lakes (Tamarack)	1	0	0	0	0	0	0	1	0	0	2
Mammoth Lakes (Snowcreek)	No Mosquitos Detected										0
Bishop (Van Loon)	Trap Failure										0
Bishop (Williams Creek)	2	0	0	0	0	0	0	0	0	0	2
Bishop (Bear Creek)	11	0	1	0	0	0	0	0	0	0	12
Bishop (Airport Road)	1	0	0	0	1	0	0	0	0	0	2
Big Pine (Klondike Lake)	27	8	41	0	1	0	0	0	0	0	77
Big Pine (Rolling Green)	2	0	0	0	0	0	0	0	0	0	2
Big Pine (Big Pine Creek)	10	0	0	0	0	0	0	0	0	0	10
Tinemaha	18	0	4	0	0	0	0	0	0	0	22
TOTAL	72	8	46	0	2	0	0	1	0	0	129

ANALYSIS OF COLLECTION RESULTS

EVS traps were positioned along the north district run (Mammoth Lakes to Tinemaha) this week. Nine of the ten traps set ran well with no malfunctions. The Bishop Van Loon trap ran out of CO2 and was counted as a failure. Adult mosquito abundance has decreased for the north district run this week. The total amount of mosquitoes collected were 129 compared to 184 on the last north run, 2 weeks ago. Most of the mosquitoes came from the Klondike Lake trap, collecting a variety of mosquito species with 27 *Culex tarsalis*, 8 *Culex erythrothorax*, 41 *Anopheles freebornii* and 1 *Aedes melanimon*. The Tinemaha trap caught 18 *Culex tarsalis* and 4 *Anopheles freebornii*. Bear creek in Bishop came up with 11 *Culex tarsalis* and 1 *Anopheles freebornii*. Mammoth Lakes Tamarack trap had 1 *Culex tarsalis* and 1 *Aedes tahoensis*. Airport Road east of Bishop produced 1 *Culex tarsalis* and 1 *Aedes melanimon*. Both Williams Creek and Rolling green in Big Pine only collected 2 *Culex tarsalis* each. No mosquitoes had been detected in any of the remaining EVS traps.

The BG Sentinel traps collected mosquitoes this week. The Old Mammoth Lakes BGS trap collected 1 *Culex tarsalis* and 2 *Aedes tahoensis*. Bishop only caught 1 *Culex pipiens*. Big Pine had 3 *Culex tarsalis*. Lone Pine picked up 2 *Culex tarsalis*. None of the other BGS traps produced any mosquitoes. No invasive *Aedes* species were detected.

A CO2 EVS trapping run was completed on the Owens Dry Lake this week which did not collect any mosquitoes.

Next week, EVS traps will be deployed along the south district run from (Aberdeen to Cartago).

DISEASE TESTING SUMMARY

OVMAP only collected enough blood fed *Culex* specimens to send out one Mosquito Pool Sample this week. It was shipped to the UC Davis Laboratory staff and the results came back negative for West Nile virus (WNV), Saint Louis encephalitis virus (SLEV) and Western equine encephalitis virus (WEEV).