

WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

WEEK 27: JULY 2 TO JULY 8, 2023

PAST WEEK'S TREATMENT SUMMARY

Mosquito larvacide surveillance and treatments have been ongoing throughout the Owens Valley and the high country including the Mammoth Lakes District. Larvacide applications were made in the Mammoth Lakes area and also in the north and northeast pastures near Bishop. Significant efforts have been made to mitigate larval finds in the Warm Springs road and Yribarren Ranch areas. Treatments have been made north and east of Big Pine including the Klondike Lake area this week. Independence had treatments made in pastures east of town including parts of the Lower Owens River. Treatments have also been performed in the Lone Pine region. Ongoing surveillance and treatments are being carried out as necessary in the Olancha, Cartago and Keeler areas for mosquito activity.

The Lower Owens River Project water flows are still high this week, holding around 380 cfs at the intake. OVMAP staff is monitoring this closely and making larvacide applications as necessary.

ULV fogging applications have been performed in the Bishop and Big Pine areas this week due to excessive adult mosquitoes.



Photo on the left is a ULV Fog application in Aspendell and on the right, a larvacide application into the Snowcreek Pond in Mammoth Lakes.



Report Prepared by:
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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 fransiscanus</i>	<i>Aedes melanimon</i>	<i>Aedes nigromaculis</i>	<i>Aedes increpitus</i>	<i>Aedes vexans</i>	<i>Culiseta inornata</i>	<i>Culiseta incidens</i>	TOTAL
Mammoth Lakes (Snowcreek)	Trap Fail										0
Mammoth Lakes (Tamarack)	70	0	1	0	0	0	0	0	48	0	119
Bishop (Bear Creek)	1	0	0	0	0	0	0	0	0	0	1
Bishop (Williams Creek)	1	0	0	0	0	0	0	0	0	0	1
Bishop (Van Loon)	1	0	0	0	0	0	0	0	0	0	1
Bishop (Airport Road)	13	0	6	0	0	0	0	0	1	0	20
Big Pine (Klondike Lake)	2	3	0	0	0	0	0	0	0	0	4
Big Pine (Rolling Green)	297	2	7	0	24	0	0	0	11	0	341
Big Pine (Big Pine Creek)	3	22	0	0	0	0	0	0	0	0	25
Tinemaha	Trap Fail										
TOTAL	388	27	14	0	24	0	0	0	60	0	513

ANALYSIS OF COLLECTION RESULTS

EVS traps were positioned along the north district run (Mammoth Lakes to Tinemaha) this week. Eight of the ten traps set ran well with no malfunctions. The Snow Creek and Tinemaha traps failed. Adult mosquito abundance has increased for the north district runs this week. The total amount of mosquitoes collected was 513 compared to 356 on the last north run, 2 weeks ago. Most of the mosquitoes came from the Big Pine Rolling Green trap, collecting a variety of mosquitoes with 297 *Culex tarsalis*, 2 *Culex erythrothorax*, 7 *Anopheles freeborni*, 24 *Aedes melanimon* and 11 *Culiseta inornata*. Coming in second was the Tamarack trap in Mammoth Lakes with 70 *Culex tarsalis*, 1 *Anopheles freeborni* and 48 *Culiseta inornata*. The Big Pine Creek trap caught 3 *Culex tarsalis* and 22 *Culex erythrothorax*. Airport Road in Bishop produced 13 *Culex tarsalis*, 6 *Anopheles freeborni* and 1 *Culiseta inornata*. Klondike north of Big Pine produced 2 *Culex tarsalis* and 3 *Culex erythrothorax*. Bear Creek, Williams Creek and Van Loon only had 1 *Culex tarsalis* each. No mosquitoes had been detected in any of the remaining 3 EVS traps.

The BG Sentinel traps produced a lot of mosquitoes this week. The Mammoth Lakes BGS trap caught 88 *Culex tarsalis*, 10 *Culiseta inornata*, 3 *Culiseta Incidens* and 1 *Anopheles freeborni*. The Bishop Golf Course collected 382 *Culex tarsalis* and 5 *Culiseta inornata*. Big Pine had 204 *Culex tarsalis*, Independence gathered 60 *Culex tarsalis* and Lone Pine captured 162 *Culex tarsalis* and 2 *Aedes melanimon*. None of the other BGS traps produced any mosquitoes. No invasive *Aedes* species were detected.

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

DISEASE TESTING SUMMARY

Arbovirus disease testing is scheduled to resume next week.