

WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

WEEK 37: SEPTEMBER 10 TO SEPTEMBER 16, 2023

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 northeast pastures near Bishop. Treatments have gone out north and east of Big Pine including Klondike Lake this week. Treatments were also applied along the Owens River and Calvert Slough areas near Aberdeen. Treatments were made east of Independence and Lone Pine along with Diaz Lake and the ODL.

Both the upper and lower Owens River water flows have been holding steady, allowing us access to mosquito breeding sites. OVMAP staff are monitoring these and making larvacide applications as necessary.

ULV fog treatments were performed in the east side of Bishop, Dixon Lane, Bear Creek, Big Pine tract, Forty Acres, and the Millpond Recreation Area this week.



Photo on the left is a ULV fog treatment at the Millpond Recreation Area, on the right is a high density mosquito larvae sample from the Calvert Slough area near Aberdeen.



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 franciscanus</i>	<i>Aedes melanimon</i>	<i>Aedes nigromaculis</i>	<i>Aedes increpitus</i>	<i>Aedes Taheensis</i>	<i>Culiseta inornata</i>	<i>Culiseta incidens</i>	TOTAL
Mammoth Lakes (Tamarack)	No Mosquitos Detected										0
Mammoth Lakes (Snowcreek)	No Mosquitos Detected										0
Bishop (Bear Creek)	10	0	1	0	3	0	0	0	4	0	18
Bishop (Williams Creek)	Trap Failure										0
Bishop (Van Loon)	2	0	0	0	0	0	0	0	0	0	2
Bishop (Airport Road)	2	0	0	0	0	0	0	0	0	0	2
Big Pine (Klondike Lake)	1	0	0	0	0	0	0	0	0	0	1
Big Pine (Rolling Green)	4	0	1	0	6	0	0	0	0	0	11
Big Pine (Big Pine Creek)	34	0	0	0	7	0	0	0	0	0	41
Tinemaha	8	0	1	0	4	0	0	0	1	0	14
TOTAL	61	0	3	0	20	0	0	0	5	0	89

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 Williams Creek trap failed. Adult mosquito abundance has shown a substantial decrease for the north district run this week. The total amount of mosquitoes collected was only 89 compared to 386 collected two weeks ago on the previous north run. Most of the mosquitoes came from the Big Pine Creek trap collecting 34 *Culex tarsalis*, and 7 *Aedes melanimon*. Coming in second was the Bear Creek trap with 10 *Culex tarsalis*, 1 *Anopheles freebornii*, 3 *Aedes melanimon* and 4 *Culiseta inornata*. Third place went to the Tinemaha trap; it caught 8 *Culex tarsalis*, 1 *Anopheles freebornii*, 4 *Aedes melanimon* and 1 *Culiseta inornata*. Rolling Green in Big Pine came up with 4 *Culex tarsalis*, 1 *Anopheles freebornii* and 6 *Aedes melanimon*. Both the Airport Road and Van Loon traps in Bishop produced 2 *Culex tarsalis* each. Klondike only had 1 *Culex tarsalis*. No mosquitoes had been detected in any of the remaining EVS traps from the Mammoth Lakes area.

The BG Sentinel traps collected mosquitoes this week. The Mammoth Lakes BGS trap collected 2 *Culex tarsalis*. Bishop caught 52 *Culex tarsalis*, 1 *Anopheles freebornii* and 6 *Aedes melanimon*. Big Pine had 19 *Culex tarsalis*, 1 *Aedes melanimon* and 6 *Anopheles freebornii*. Independence picked up 7 *Culex tarsalis* and 1 *Anopheles freebornii*. Lone Pine came in with 34 *Culex tarsalis*. 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

OVMAP sent out 1 Mosquito Pool Sample to be tested for arbovirus disease this week. The lone sample was collected from the Big Pine creek trap and tested negative for West Nile virus (WNV), Saint Louis encephalitis virus (SLEV) and Western equine encephalitis (WEE).