

# WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◊ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

## WEEK 38: SEPTEMBER 20 TO SEPTEMBER 26, 2021

### PAST WEEK'S TREATMENT SUMMARY

OVMAP staff continues to monitor mosquito sources and make treatments as necessary throughout the Owens Valley, including the Old Mammoth Lakes District. Bishop Larvacide treatments have been performed in the north, northeast and south pastures. Significant efforts have been made to mitigate larval finds in the Warm Springs road area. Treatments have also gone out in mosquito sources north of Big Pine including the Klondike Lake Waterfowl Mitigation area. Treatments were also made east of Independence this week. Ongoing surveillance in the Lone Pine, Cartago and Keeler areas has found previous larvacide treatments to be effective from past weeks.

Our EVS traps only collected 1 Mosquito Pool sample this week from the Van Loon trap located east of Bishop. The Mosquito Pool sample was shipped and received by the UC Davis laboratory staff for disease testing.

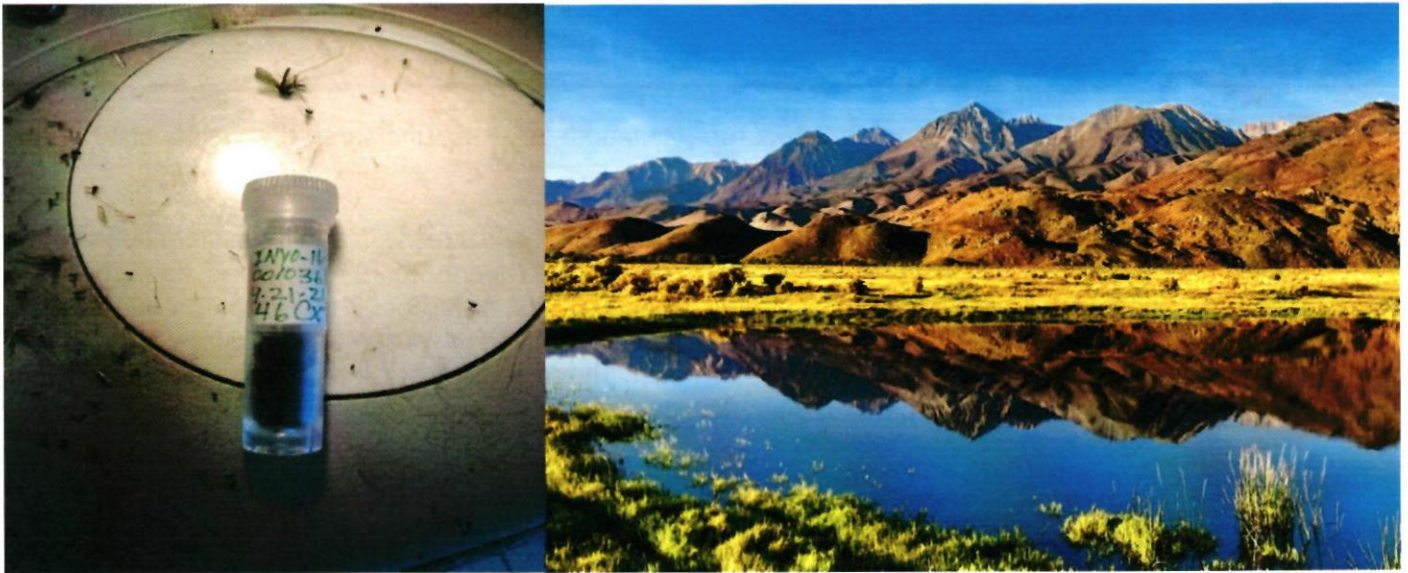


Photo on the left is a mosquito pool sample from the Van Loon trap near Bishop, on the right is a mosquito source near Klondike Lake.



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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 vexans</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)	No Mosquitos Detected										0
Bishop (Williams Creek)	No Mosquitos Detected										0
Bishop (Van Loon)	46	2	0	0	0	0	0	0	0	0	48
Bishop (Airport Road)	8	1	0	0	0	0	0	0	0	0	9
Big Pine (Klondike Lake)	No Mosquitos Detected										0
Big Pine (Rolling Green)	No Mosquitos Detected										1
Big Pine (Big Pine Creek)	7	0	0	0	1	0	0	0	0	0	8
Tinemaha	No Mosquitos Detected										0
<b>TOTAL</b>	<b>61</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>65</b>

**ANALYSIS OF COLLECTION RESULTS**

EVS traps were positioned along the north district run (Mammoth Lakes to Tinemaha) this week. All 10 of the traps set ran well with no malfunctions.

With the cooler weather our trapping results have shown a noticeable decrease in adult mosquito abundance for the north district run this week with a total amount of only 65 compared to 295 two weeks ago. The majority of the mosquitoes came from the Van Loon trap located east of Bishop; it collected 46 *Culex tarsalis* and 2 *Culex erythrothorax*. Enough for a Mosquito Pool sample. Coming in second was the Airport trap near Bishop; it caught 8 *Culex tarsalis* and 1 *Culex erythrothorax*. The Big Pine Creek trap caught 7 *Culex tarsalis* and 1 *Aedes melanimon*. No mosquitoes had been detected in any of the remaining EVS traps.

The BG Sentinel traps didn't collect any mosquitoes this week. No invasive *Aedes* species were detected.

An EVS trapping run was completed on the Owens Dry Lake this week. All 5 traps set worked well with no malfunctions. Trap #3 caught 1 *Culex tarsalis*. No mosquitoes had been detected in any of the remaining ODL EVS traps.

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

**DISEASE TESTING SUMMARY**

OVMAP collected 1 Mosquito Pool sample which has been shipped and received by the UC Davis laboratory and already received results for samples sent this week as well as last week. Disease test results came back negative for West Nile virus (WNV), Saint Louis encephalitis virus (SLEV) and Western Equine Encephalitis (WEE) for all samples.