

WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

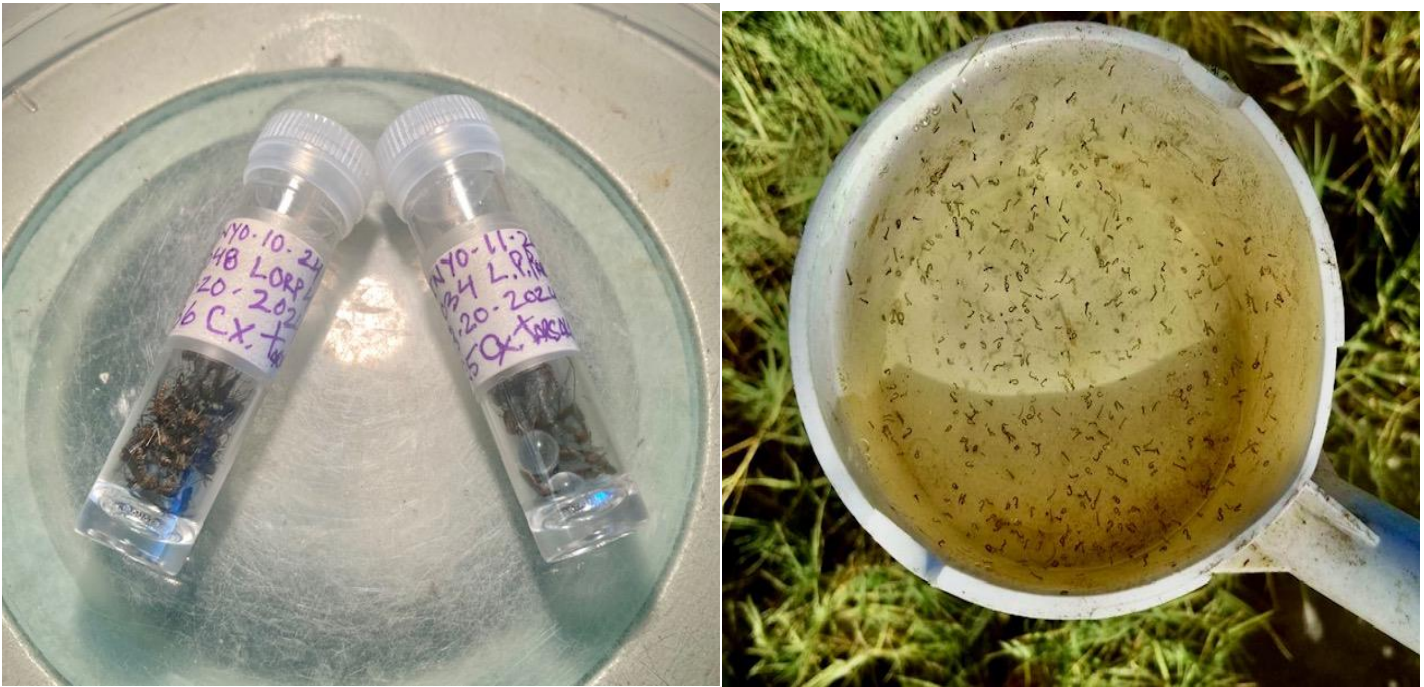
WEEK 34: AUGUST 18 TO AUGUST 24, 2024

PAST WEEK'S TREATMENT SUMMARY

Mosquito surveillance and larvicide treatments continue to be made in the Owens Valley and Old Mammoth Lakes areas as necessary. Mosquito larvicide applications have been performed in pastureland's north, east, and south of Bishop, including the Owens River. 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 and Lone Pine. Cartago Soda Ponds had larvicide applications also this week.

OVMAP is keeping an eye on the river flows coming out of Pleasant Valley reservoir this week. PVR flows were holding steady around 300 cfs and then increased to 600 cfs late last week. This is producing high numbers of *Aedes melanion* floodwater mosquitoes. OVMAP staff has this under close surveillance and making larvicide applications as necessary.

OVMAP is planning to host our Public Outreach Mosquito Booth at the Tri-County Fair next week. Please stop by and feed mosquito larvae to the hungry mosquito fish.



On the left are two mosquito pool samples prepared for shipping and disease testing. On the right is a high-density larva dip sample from the Owens River north of Bishop.



Report Prepared by:
Owens Valley Mosquito Abatement Program and Mammoth Lakes Mosquito Abatement District
Administered by Inyo and Mono Counties Agricultural Commissioner's Office
1360 N. Main St. Rm 230, Bishop, CA, 93514
760.873.7860

EVS TRAP COLLECTION RESULTS

| | <i>Culex tarsalis</i> | <i>Culex erythrothorax</i> | <i>Anopheles freebornii</i> | <i>Anopheles franciscanus</i> | <i>Anopheles melanimon</i> | <i>Aedes nigromaculis</i> | <i>Aedes dorsalis</i> | <i>Aedes vexans</i> | <i>Culiseta inornata</i> | <i>Culiseta incidens</i> | TOTAL |
|-----------------------------|------------------------------|----------------------------|-----------------------------|-------------------------------|----------------------------|---------------------------|-----------------------|---------------------|--------------------------|--------------------------|-------|
| Aberdeen | <i>No mosquitos detected</i> | | | | | | | | | | |
| Blackrock | <i>Trap Failure</i> | | | | | | | | | | 0 |
| Independence (Tree Farm) | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| Independence (Museum) | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Alabama Gates | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Lone Pine (Trinity Slough) | <i>No mosquitos detected</i> | | | | | | | | | | 0 |
| Lone Pine (Spainhower Park) | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| Owens River Delta | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Keeler (Swimming Pool) | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| Cartago (Soda Ponds) | <i>Trap Failure</i> | | | | | | | | | | 0 |
| LORP near Mazourka | 36 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 39 |
| TOTAL | 88 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 94 |

ANALYSIS OF COLLECTION RESULTS

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

A total of 94 mosquitoes were collected. The LORP 4 Mazourka trap east of Independence collected 36 *Culex tarsalis*, and 3 *Aedes melanimon*. Coming in second was the Lone Pine Park trap. It caught 25 *Culex tarsalis*. Third place went to the Keeler Swimming Pool trap with 14 *Culex tarsalis*. The Independence Museum had 7 *Culex tarsalis*. Alabama Gates picked up 3 *Culex tarsalis* and 2 *Culex erythrothorax*. The Independence Tree Farm captured 2 *Culex tarsalis*, and 1 *Aedes melanimon*. The Owens River Delta only collected 1 lonely *Culex tarsalis*. All of the remaining EVS traps did not produce any mosquitoes.

Our BG Sentinel traps collected mosquitoes this week. Old Mammoth Lakes trap caught 4 *Culex tarsalis* and 1 *Culiseta incidens*. Bishop had 1 *Culex tarsalis*. Big Pine picked up 5 *Culex tarsalis*. All of 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 sent out 2 Mosquito Pool Samples this week to be tested for disease. The samples were collected from Lone Pine and the Lower Owens River area east of Independence. Results came back negative for West Nile virus (WNV), Saint Louis encephalitis virus (SLEV) and Western equine encephalitis (WEE).