

# WEEKLY REPORT

OWENS VALLEY MOSQUITO ABATEMENT PROGRAM ◦ MAMMOTH LAKES MOSQUITO ABATEMENT DISTRICT

## WEEK 36: SEPTEMBER 1 TO SEPTEMBER 7, 2024

### PAST WEEK'S TREATMENT SUMMARY

Mosquito surveillance and larvicide treatments continue to be made in the Owens Valley and Mammoth Lakes areas as necessary. Mosquito larvicide applications have been performed in pastureland's north, east, and south of Bishop, including the Owens River Oxbows and the Yribarren Ranch. 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 several locations around the Lone Pine area.

OVMAP is keeping a close eye on the high-water flows coming out of Pleasant Valley reservoir due to the annual gorge flushing event. PVR flows are holding steady around 600 cfs which is creating high numbers of floodwater mosquitoes in the Owens River Oxbows. OVMAP staff has this under surveillance and making larvicide applications as necessary.



On the left is a mosquito pool sample being prepared for shipping and disease testing. On the right is a container full of mosquitoes that we use for our public outreach. These have been collected through the past several years.



Report Prepared by:  
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**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 dorsalis</i> | <i>Aedes vexans</i> | <i>Culiseta inornata</i> | <i>Culiseta incidens</i> | TOTAL |
|-----------------------------|------------------------------|----------------------------|-----------------------------|-------------------------------|------------------------|---------------------------|-----------------------|---------------------|--------------------------|--------------------------|-------|
| Aberdeen                    | <i>No mosquitos detected</i> |                            |                             |                               |                        |                           |                       |                     |                          |                          | 0     |
| Blackrock                   | 0                            | 0                          | 0                           | 0                             | 1                      | 0                         | 0                     | 0                   | 0                        | 0                        | 1     |
| Independence (Tree Farm)    | 21                           | 0                          | 0                           | 0                             | 0                      | 0                         | 0                     | 0                   | 0                        | 0                        | 21    |
| Independence (Museum)       | 2                            | 0                          | 0                           | 0                             | 0                      | 0                         | 0                     | 0                   | 0                        | 0                        | 2     |
| Alabama Gates               | 0                            | 84                         | 0                           | 0                             | 0                      | 0                         | 0                     | 0                   | 0                        | 0                        | 84    |
| Lone Pine (Trinity Slough)  | 4                            | 0                          | 0                           | 0                             | 1                      | 0                         | 0                     | 0                   | 0                        | 0                        | 5     |
| Lone Pine (Spainhower Park) | 13                           | 0                          | 0                           | 0                             | 0                      | 0                         | 0                     | 0                   | 0                        | 0                        | 13    |
| Owens River Delta           | 1                            | 0                          | 0                           | 0                             | 0                      | 0                         | 0                     | 0                   | 0                        | 0                        | 1     |
| Keeler (Swimming Pool)      | 19                           | 0                          | 0                           | 0                             | 0                      | 0                         | 0                     | 0                   | 0                        | 0                        | 19    |
| Cartago (Soda Ponds)        | 34                           | 0                          | 2                           | 0                             | 0                      | 0                         | 0                     | 0                   | 0                        | 0                        | 36    |
| LORP near Mazourka          | 10                           | 0                          | 0                           | 0                             | 0                      | 0                         | 0                     | 0                   | 0                        | 0                        | 10    |
| TOTAL                       | 104                          | 84                         | 2                           | 0                             | 2                      | 0                         | 0                     | 0                   | 0                        | 0                        | 190   |

**ANALYSIS OF COLLECTION RESULTS**

CO2 baited EVS traps were positioned along the south district run (Aberdeen to Cartago) this week. All eleven traps set, ran well with no malfunctions.

A total of 190 mosquitoes were collected. The Alabama Gates trap caught 84 *Culex erythrothorax*. Coming in second was the Cartago Soda Ponds trap with 34 *Culex tarsalis* and 2 *Culex erythrothorax*. Third place went to the Independence Tree Farm trap, It captured 21 *Culex tarsalis*. The Keeler trap had 19 *Culex tarsalis*. Lone Pine Park came up with 13 *Culex tarsalis*. LORP near Mazourka produced 10 *Culex tarsalis*. Trinity Slough picked up 4 *Culex tarsalis* and 1 *Aedes melanimon*. Blackrock collected 1 *Aedes melanimon* and the Owens River Delta only caught 1 *Culex tarsalis*. The Aberdeen EVS trap did not produce any mosquitoes.

Our BG Sentinel traps collected mosquitoes this week. Mammoth Lakes caught 1 *Aedes tahoensis*. Bishop had 3 *Culex tarsalis*. Big Pine picked up 1 *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 only collected enough blood fed *Culex* specimens to send out 1 Mosquito Pool Sample this week. The sample was collected from the Cartago area, it was shipped out overnight to the UC Davis laboratory and tested negative for West Nile virus (WNV), Saint Louis encephalitis virus (SLEV) and Western equine encephalitis (WEE).