

OVMAP Weekly Mosquito Report (Final Report)

Week 39: September 27 to October 3, 2021

PAST WEEK'S TREATMENT SUMMARY:

Larvacide treatments are wrapping up for the 2021 mosquito season. The water flows coming out of Pleasant Valley are holding steady just under 400 CFS. We are monitoring this closely for any possible mosquito breeding on the river.

Over the next couple weeks, staff will be finishing up our surveillance and larvacide treatment activities, cleaning and servicing equipment in preparation for the winter teardown and repairs. Unfortunately, the mosquitoes will likely be back come springtime.

This is the last Weekly Mosquito Report for the 2021 season. Attached in this report is this past season's scoreboard. The final score was OVMAP with 38 points and the mosquitoes only scored 5 times. OVMAP sent out 16 mosquito pool samples that have all tested negative for West Nile virus, Saint Louis encephalitis, and Western Equine Encephalitis this season.

We would like to acknowledge and extend our appreciation to the hard working members of the OVMAP and MLMAD staff for their successful mosquito efforts this season! Good job everyone!

EVS TRAP COLLECTION RESULTS:

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

Adult mosquito populations were about the same this week for the south trap run. We trapped a total of 110 mosquitoes from 4 different traps. Close results, compared to the 100 collected 2 weeks ago. The Majority of the mosquitoes came from the LORP 4 Mazourka trap. It had 3 *Culex tarsalis*, 35 *Culex erythrothorax* and 4 *Aedes melanimon*. Coming in second was the Cartago Soda ponds trap with 19 *Culex tarsalis*, 8 *Culex erythrothorax* and 1 *Culiseta inornata*. Third place went to the Keeler Swimming Pool trap; it had 1 *Culex tarsalis* and 3 *Culex erythrothorax*. The Independence Tree Farm picked up 12 *Culex tarsalis* and 2 *Culiseta inornata*. All of the other 7 EVS traps did not produce any mosquitoes.

No mosquitoes were detected in any of the BGS traps and no invasive *Aedes* species were detected.

ARBORVIRUS SURVEILLANCE SUMMARY:

No Mosquito Pool samples were sent out this week. This is the last week of the Arbovirus Surveillance.

All 16 samples of the 2021 season have tested negative for West Nile virus (WNV), Saint Louis encephalitis virus (SLEV) and Western Equine Encephalitis (WEE).