6/15/2023 JCVCD BOARD MEETING – ECOLOGIST REPORT

Andrew Partin, Vector Ecologist

-Collections for the 2022-2023 tick season have been completed! We collected Western blacklegged ticks (*Ixodes pacificus)* from **15** sites November 2022 through May 2023. We collected **1,118** adults (125 pools) and **1,254** nymphs (135 pools). All ticks were recently sent to Placer Mosquito and Vector Control District for disease testing.

-We were able to collect **100** adult Western blacklegged ticks and **100** nymphs from a total of **12** sites which far exceeded our initial goals of 20-25 nymphs from these locations. We are working with Dr. Emilio DeBess of the Oregon Health Authority to begin the process of writing and publishing a peer reviewed scientific article using this data once we have results comparing disease rates between adults and nymphs. A very big thank you to **Jim Clover** for his assistance with these collections!

-Adult mosquito trapping began May 16th. The following chart summarizes what we've trapped so far.

Species	M	F
Ae dorsalis	0	2
Ae increpitus	1	369
Ae sierrensis	589	105
Ae sticticus	0	50
Ae vexans	14	1470
An freeborni	0	21
An punctipennis	0	13
Cq perturbans	0	2
Cs incidens	0	14
Cs inornata	0	31
Cx erythrothorax	0	9
Cx pipiens	0	100
Cx tarsalis	0	409
Totals	**604**	**2595**

-Our first in-house PCR tests have been conducted with **7** Culex mosquito pools testing negative!