



## MOSQUITO and VECTOR MANAGEMENT DISTRICT of Santa Barbara County

# DISEASE SURVEILLANCE REPORT

October 2018

### Live Mosquito-Borne Virus Surveillance

No mosquito trapping surveys were conducted in October 2018 (58 year to date). The 2018 mosquito trapping season has ended. The list below shows the final figures for the 2018 trapping season. The District submitted 96 sample pools of mosquitoes for laboratory analysis in 2018. Live mosquito-borne virus surveillance will resume in spring 2019.

### 2018 Mosquito Trapping Results:

#### South Coast:

- 206 EVS trap surveys, 13 BG-Sentinel trap surveys
- 3,080 mosquitoes collected
- 50 pools submitted

#### North County:

- 26 EVS trap surveys, 0 BG-Sentinel trap surveys
- 191 mosquitoes collected
- 5 pools submitted

#### San Luis Obispo:

- 63 EVS trap surveys, 4 BG-Sentinel trap surveys
- 3,326 mosquitoes collected
- 41 pools submitted

#### Total:

- 295 EVS trap surveys, 17 BG-Sentinel trap surveys
- 6,597 mosquitoes collected
- 96 pools submitted

### West Nile Virus Dead Bird Submissions

There were no dead bird submissions in October. No West Nile virus (WNV) activity has been detected in Santa Barbara County in 2018, to date. In California, there have been 156 human cases of West Nile virus infection reported from 29 counties thus far in 2018.

### St. Louis Encephalitis Virus Activity

A human case of St. Louis encephalitis virus (SLEV) disease was reported from Los Angeles County during the week ending October 5. This is the first human case of SLEV disease reported in California in 2018. SLE activity has never been confirmed in Santa Barbara County.

### **Zika Virus and Invasive *Aedes* Mosquito Update**

As of October 5, there have been 43 travel-associated Zika virus infections in California this year; none have been reported from Santa Barbara County. No yellow fever mosquitoes *Aedes aegypti*, or Asian tiger mosquitoes, *Ae. albopictus*, have ever been detected in Santa Barbara County, to date.

### **Sentinel Chicken Flocks**

The District maintains five sentinel chicken flocks located at the Carpinteria Sanitary District, Goleta Sanitary District, U.S. Forest Service Ranger Station on Paradise Road, Solvang City Wastewater Treatment Plant, and the Mission Hills Community Services District.

The five chicken flocks were sampled twice and samples submitted to test for the presence of WNV and other mosquito-borne viruses. No mosquito-borne viruses were detected in the first set of samples, results are pending for the second.