



**MOSQUITO and VECTOR MANAGEMENT DISTRICT  
of Santa Barbara County**

**DISEASE SURVEILLANCE REPORT**

**May 2018**

**Live Mosquito-Borne Virus Surveillance**

Five mosquito trapping surveys were conducted in May 2018 (23 year to date). The results are shown in the table below. Mosquito numbers overall have been low to medium in both Santa Barbara and San Luis Obispo counties, probably due to the relatively cool spring weather. All sample pools submitted to date have been negative for West Nile virus (WNV) and other mosquito-borne viruses.

LOCATION	DATE	NUMBER of MOSQUITOES	NUMBER of TRAPS <sup>^</sup>	MOSQUITOES PER TRAP NIGHT*	POOLS SUBMITTED	RESULT
<b>South Coast</b>						
UCSB/Santa Barbara Airport Bluffs	5/2-3/2018	321	12 EVS	26.8	3	Negative
Santa Barbara Zoo, 500 Niños Drive	4/24/18- 5/2/18	6	2 BG	.4	None.	N/A
901 El Embarcadero Rd., Isla Vista	5/2/2018- 5/17/18	2	1 BG	.13	None.	N/A
UCSB/Santa Barbara Airport Bluffs (SBA)	5/15-16/18	681	13 EVS	52.4	6	Negative
El Estero Wastewater Plant, Santa Barbara	5/21-22/18	86	10 EVS	8.6	3	Negative
<b>North County</b>						
<b>San Luis Obispo County</b>						

\* Mosquitoes Per Trap Night = Number of Mosquitoes ÷ (Number of Traps x Number of Nights)

<sup>^</sup> EVS = CO2 trap      BG = BG-Sentinel invasive *Aedes* mosquito trap

In response to the mosquito counts at UCSB and SBA, District staff treated the duck pond, south ditch, area I, and the tule pond with VectoBac G.

**West Nile Virus Dead Bird Submissions**

The District submitted a sample from a dead Brewer's blackbird collected in Santa Ynez. The sample tested negative for West Nile virus.

**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.