

Disease Surveillance

Our District conducts tick and tick-borne disease surveillances. Staff biologists survey adult and nymphal ticks in urban recreational parks and East Bay Regional Parks where potential public exposure to vector ticks each year.

A four-year research collaboration with Professor R. Lane of University of California was completed and the manuscript was published in Journal of Ticks and Tick-borne Diseases in 2014*. In addition to Lyme disease (*Borrelia burdorferi*), the studies have identified three other bacteria (*Borrelia bissettii*, *Borrelia miyamotoi*, and Human Granulocytic Anaplasmosis) that can cause human illness from the ticks that we collected in Alameda County.

***Remarkable diversity of tick or mammalian-associated Borreliae in the metropolitan San Francisco Bay Area, California** Natalia Fedorova et al/Ticks and Tick-borne Diseases 5(2014) 951-961

Distribution Map of Western black-legged ticks in Alameda County

