

County of Santa Clara

Consumer and Environmental Protection Agency
Department of Environmental Health

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Tick Surveillance Abundance Report (December 1st -22nd 2020)

The Tick Surveillance program is a District surveillance program that focuses on collecting and sampling ticks that are possible vectors for tick borne diseases, such as Lyme disease, tick-borne relapsing fever (TBRF), Rocky Mountain spotted fever, and tularemia. The Tick Surveillance program is board mandated through benefit assessment collected specifically to provide this service and other vector control programs. Vector Control District tick surveillance is required annually from fall to late winter, corresponding to the season for which adult ticks are most prevalent.

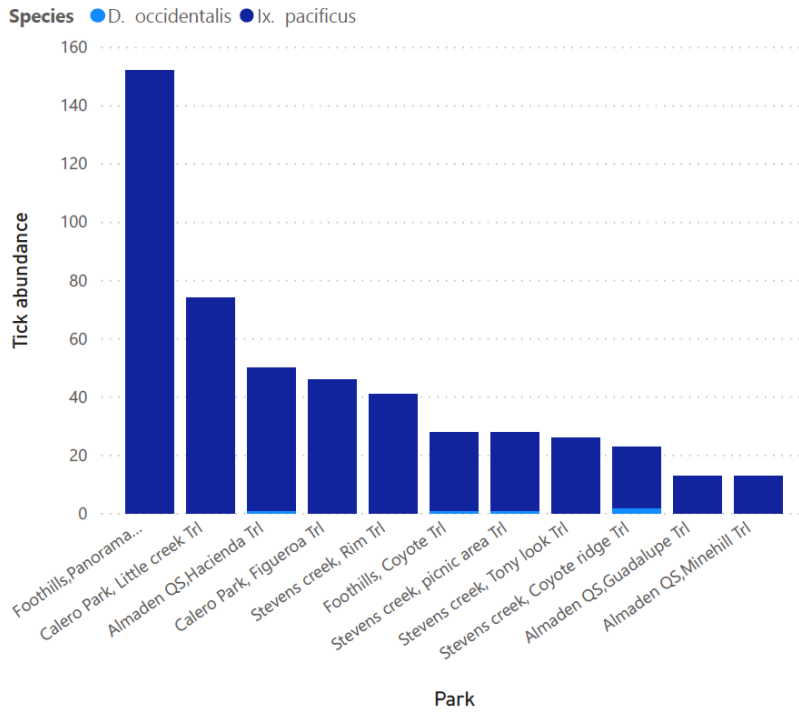
In December, four parks corresponding to 11 trails were visited; Almaden Quicksilver County Park, Calero County Park, Foothills Park, and Stevens Creek County Park .

A total of 477 adult *Ixodes pacificus* and 16 adult *Dermacentor occidentalis* were collected (Table 1). The abundance of the collected ticks and corresponding tick composition is shown in Figure 1. The geographic distributions of the tick survey is shown in Figure 2.

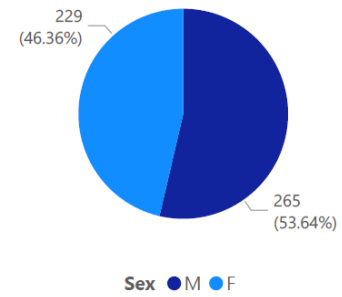
Table 1. Tick abundance by park. Species and sex composition is shown for each

Park	Trail	<i>Ix. pacificus</i>		<i>D. occidentalis</i>	
		Female	Male	Female	Male
Almaden QS	Guadalupe Trl	3	10	0	0
Almaden QS	Hacienda Trl	27	22	1	0
Almaden QS	Minehill Trl	4	9	0	0
Calero Park	Figueroa Trl	14	32	0	0
Calero Park	Little creek Trl	46	28	0	0
Foothills	Coyote Trl	11	16	0	1
Foothills	Panorama Trl	72	80	0	0
Stevens creek	Coyote ridge Trl	9	12	2	0
Stevens creek	picnic area Trl	8	19	0	1
Stevens creek	Rim Trl	24	17	0	0
Stevens creek	Tony look Trl	8	18	0	0

Tick abundance December 2020



Tick composition by sex



Tick composition by species

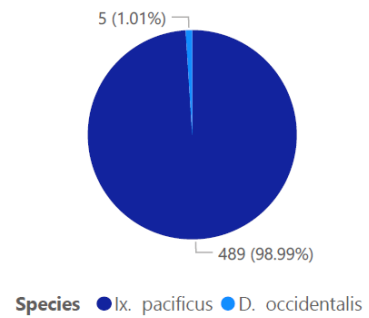


Figure 1. Abundance and composition by park and trail. Tick surveillance was conducted in December 2020. Abundance shown by trail for each park. The sex and species composition is also shown.

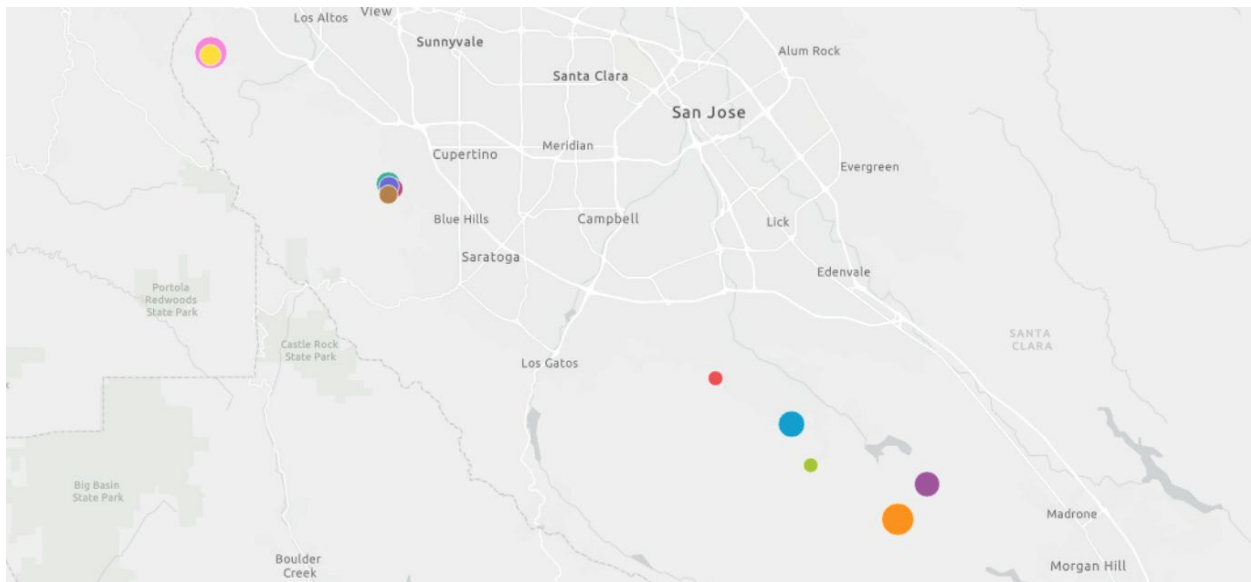


Figure 2. Distribution of tick abundance. Each point represents the trail head of a trail that was visited for that park. The size of the dot corresponds to the tick abundance collected from that trail.