

# County of Santa Clara

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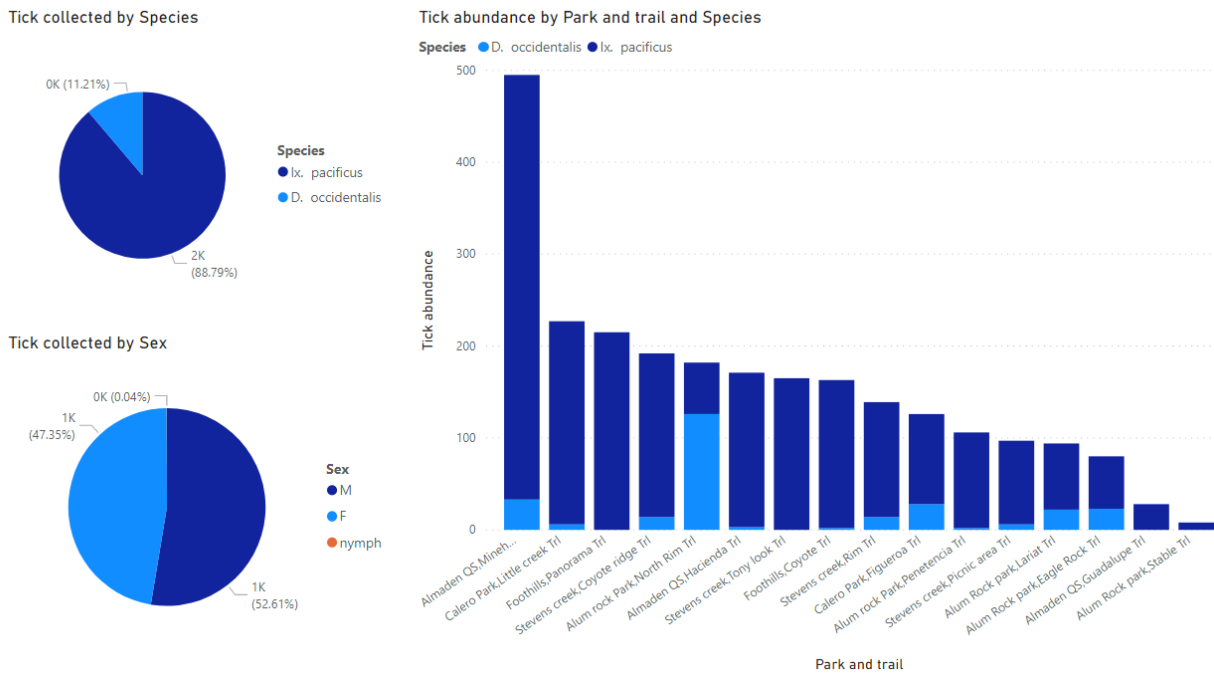
## Tick Surveillance Abundance Report (February 2021)

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.

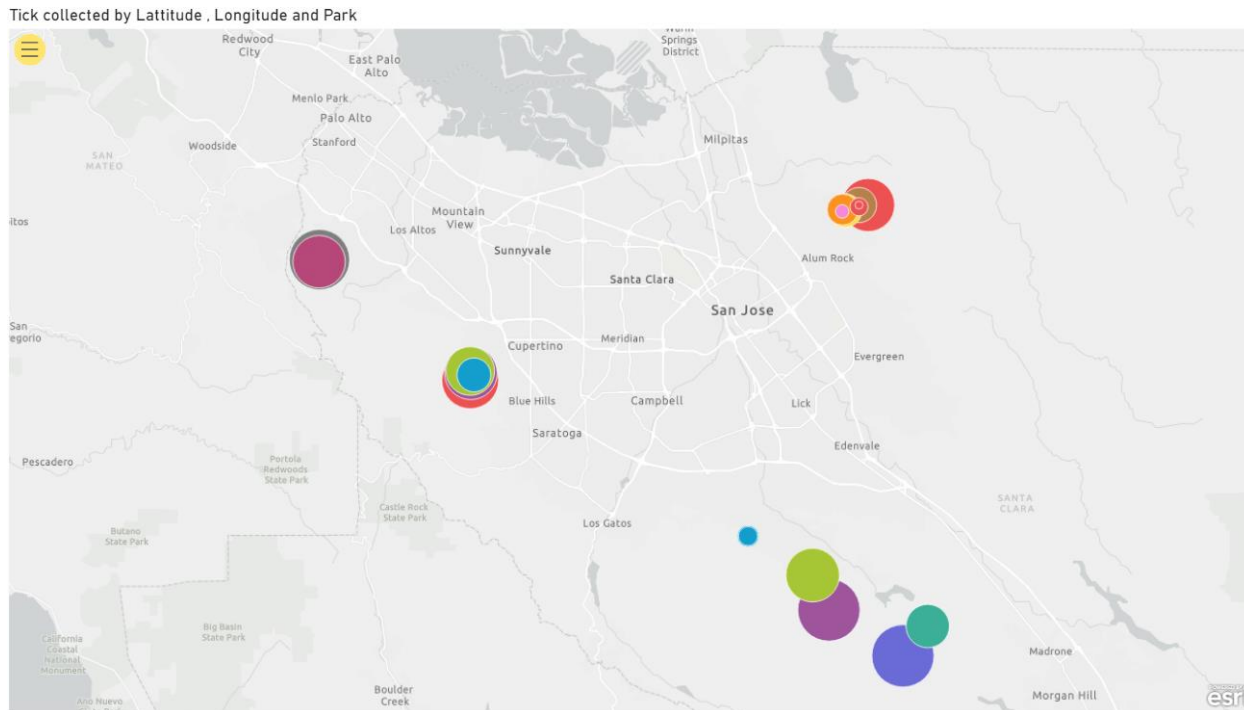
Five parks corresponding to 16 trails were visited (December-February). A total of 2152 adult *Ixodes pacificus*, 1 nymph *Ixodes pacificus*, and 244 adult *Dermacentor occidentalis* ticks were collected (Table 1). The abundance of the collected ticks and corresponding tick composition is shown in Figure 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.

Park	Trail	<i>Ix. pacificus</i>			<i>D. occidentalis</i>	
		Female	Male	Nymph	Female	Male
Almaden QS	Guadalupe Trl	10	18		0	0
	Hacienda Trl	84	84		1	2
	Minehill Trl	220	242		22	11
Alum Rock Park	Lariat Trl	13	19		0	3
	North Rim Trl	25	31		62	64
	Penetencia Trl	54	49	1	0	2
	Stable Trl	0	2		0	0
	Eagle Rock Trl	18	29		3	4
Calero Park	Figueroa Trl	38	60		7	21
	Little creek Trl	110	111		1	5
Foothills	Coyote Trl	76	85		0	2
	Panorama Trl	107	108		0	0
Stevens creek	Coyote ridge Trl	77	101		7	7
	Picnic area Trl	37	54		2	4
	Rim Trl	67	58		6	8
	Tony look Trl	80	85		0	0



**Figure 1. Abundance and composition by park and trail.** Tick surveillance was conducted through December 2020 to February 2021. 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.