

County of Santa Clara

Consumer and Environmental Protection Agency
Department of Environmental Health



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Tick Surveillance Abundance Report (January 2021)

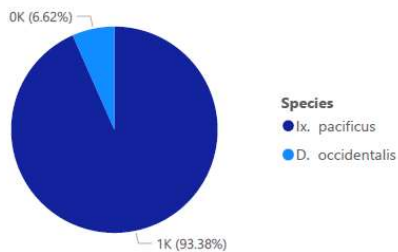
The Tick Surveillance program is a District surveillance program that focuses on collecting and sampling ticks that are possible vectors for tick borne diseases, such as Lyme disease, tick-borne relapsing fever (TBRF), Rocky Mountain spotted fever, and tularemia. The Tick Surveillance program is board 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-January). A total of 1516 adults *Ixodes pacificus* and 129 adults *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.

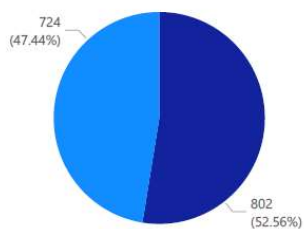
Table 1. Tick abundance by park. Species and sex composition is shown for each

Park	Trail	Ix. pacificus		D. occidentalis	
		Female	Male	Female	Male
Almaden Quick Silver	Guadalupe Trail	4	11	0	0
	Hacienda Trail	27	22	1	0
	Mine hill Trail	115	160	12	3
Alum Rock Park	Lariat Trail	3	2	0	0
	North Rim Trail	11	7	27	18
	Penetencia Trail	41	29	0	0
	Stable Trail	0	2	0	0
	Penetencia Trl	12	16	3	1
Calero Park	Figuroa Trail	25	40	5	13
	Little creek Trail	98	96	0	2
Foothills Park	Coyote Trail	36	39	0	1
	Panorama Trail	84	84	0	0
Stevens creek	Coyote ridge Trail	61	84	7	3
	Picnic area Trail	20	37	1	3
	Rim Trail	57	49	0	1
	Tony look Trail	74	79	0	0

Tick collected by Species



Tick collected by Sex



Tick collection by Trail and Park

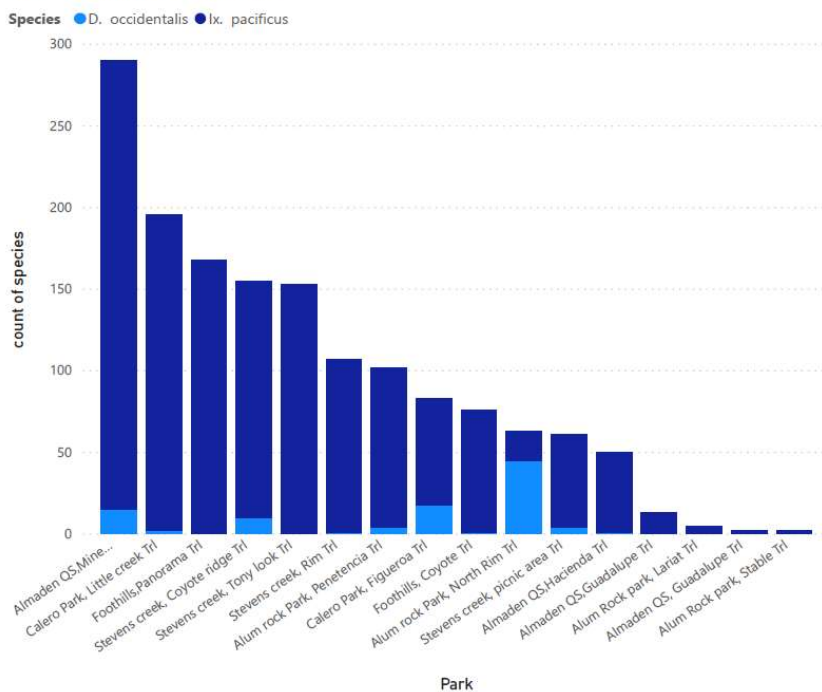


Figure 1. Abundance and composition by park and trail. Tick surveillance was conducted through December 2020 to January 2021. Abundance shown by trail for each park. The sex and species composition is also shown.

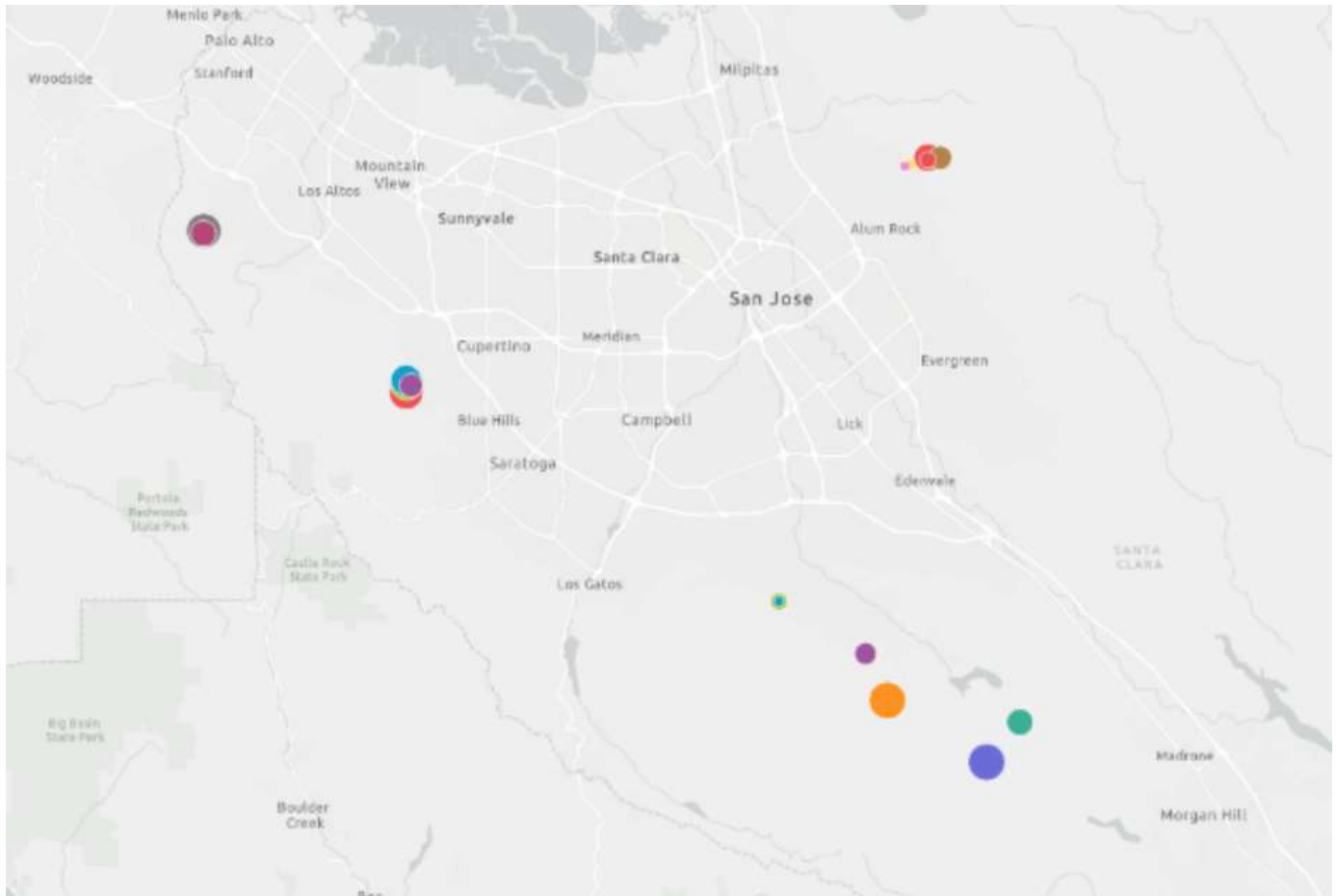


Figure 2. Distribution of tick abundance. Each point represents the trail head of a trail that was visited for that park. The size of the dot corresponds to the tick abundance collected from that trail.