



Flea Borne Typhus Surveillance Report June 2023

The Flea Borne Typhus Surveillance program is a District surveillance program that focuses on collecting rodents and their associated ectoparasites. The primary focus is fleas, which are potential vectors of flea-borne typhus or murine typhus. Through this program risk of human exposure to flea-borne typhus will be determined for inhabitants of unhoused encampments.

This month we surveyed 3 encampment sites in San Jose:

San Fernando, San Jose

Columbus Park, San Jose

Julian St, San Jose

***Rickettsia typhi* and *Rickettsia felis* Testing:**

14 flea pools were tested, all negative

Count of Rodents by Sex

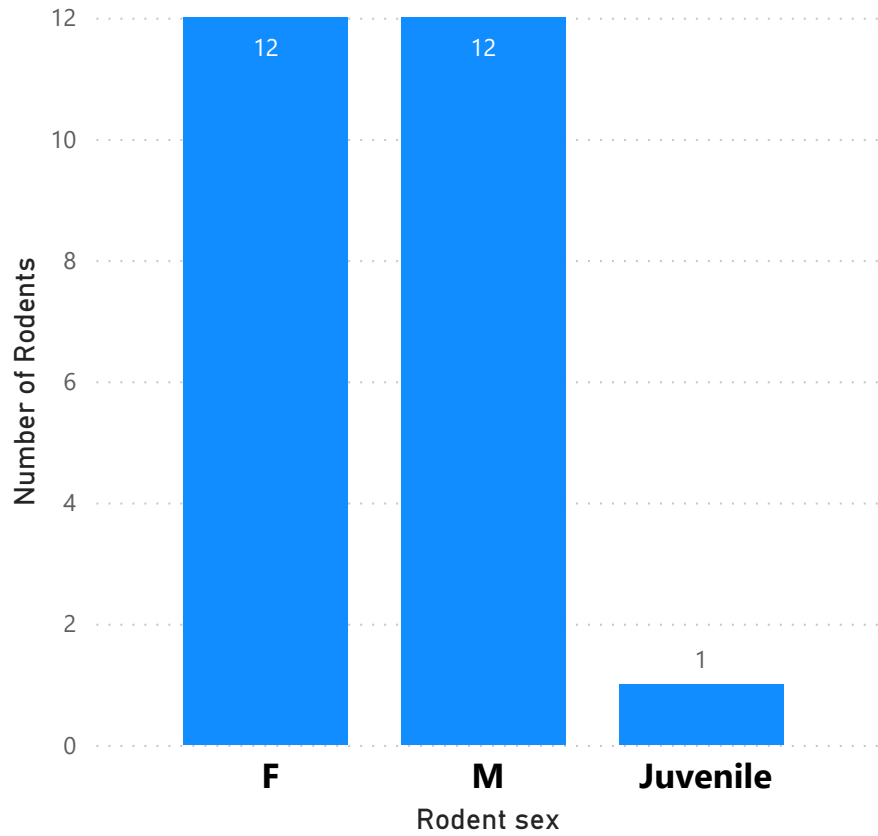


Figure 1. Number of rodents collected in June within the encampments by sex

Count of Rodents by Site

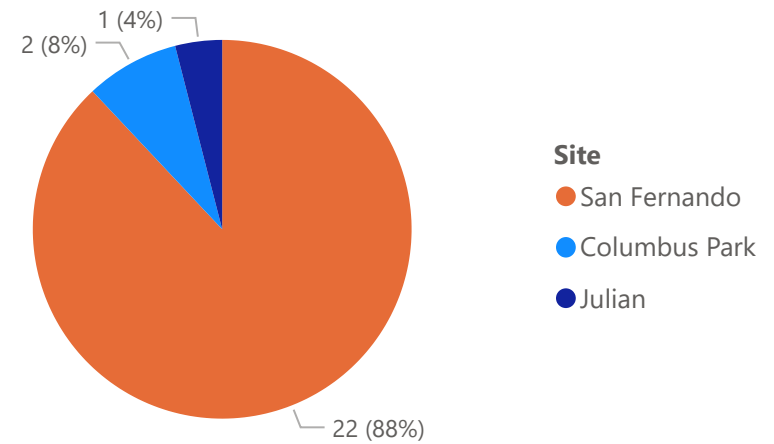


Figure 2. Number of rodents collected in June by encampment site

Count of Flea count by Flea species

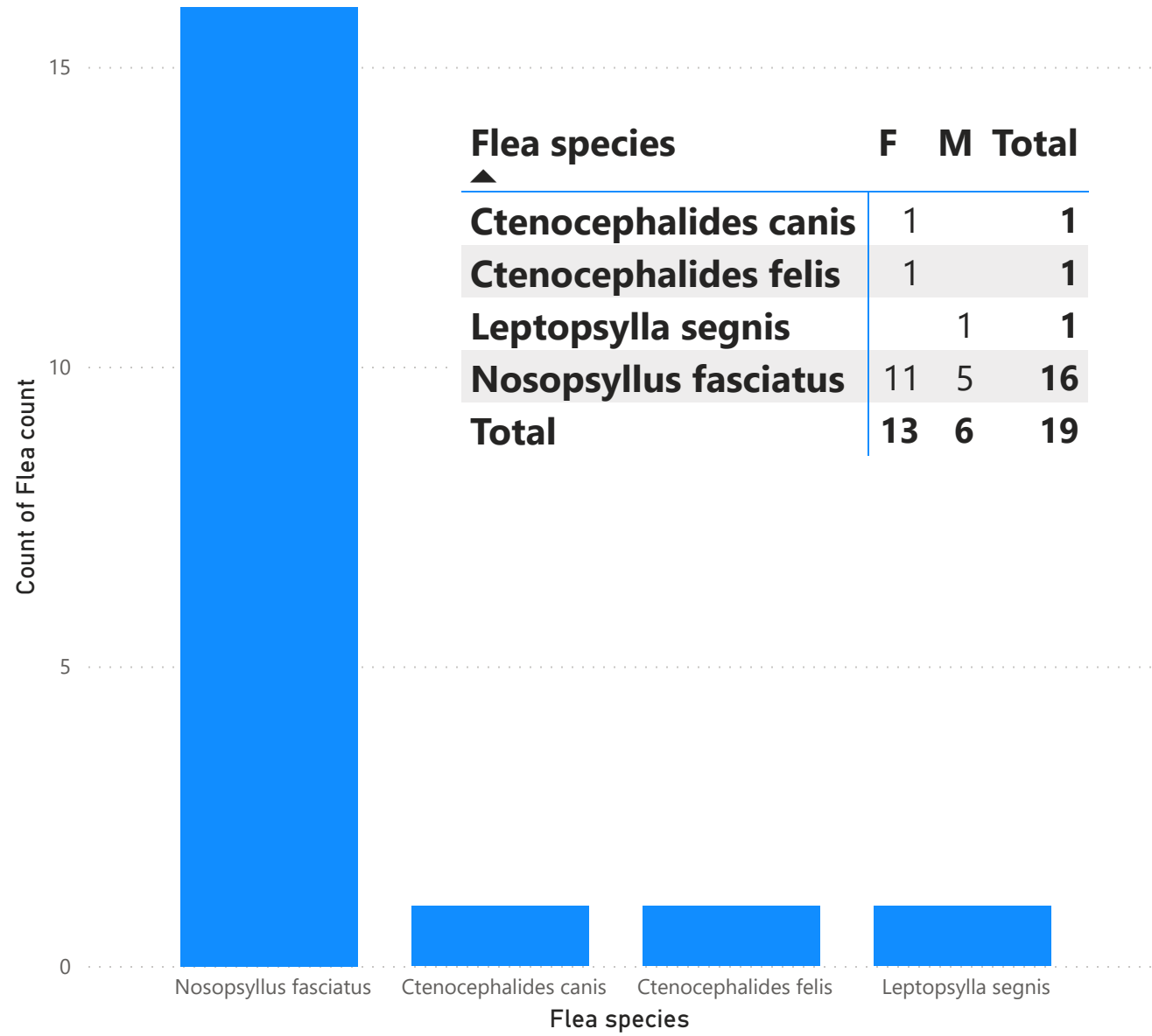


Figure 3. Total fleas collected collected the month of June

Flea Count by Site

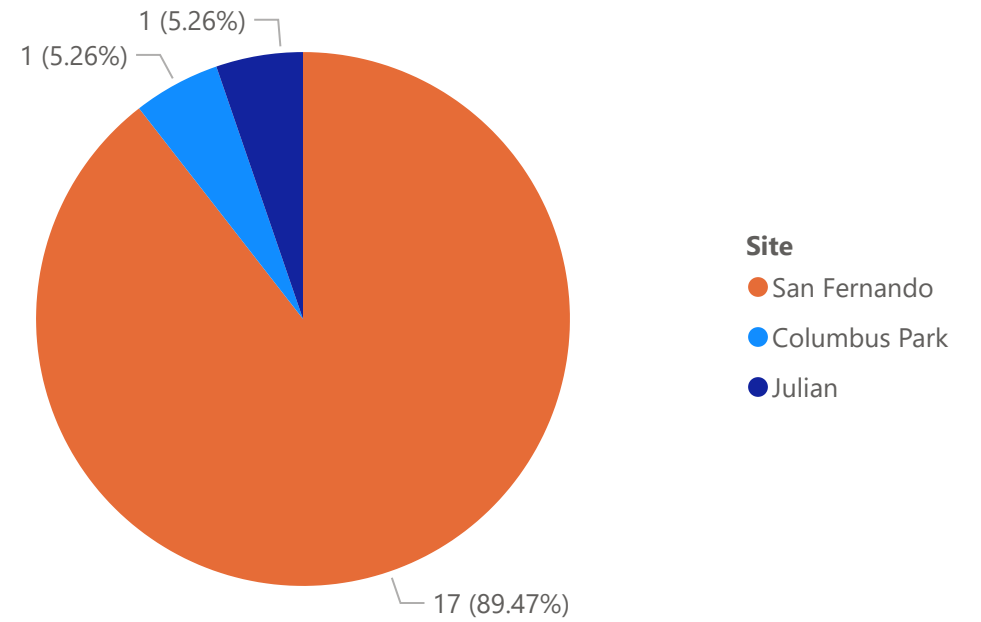


Figure 4. Total fleas collected by site in June

Rickettsia felis Testing Results

Flea species	NEG	Total
Ctenocephalides felis	2	2
Leptopsylla segnis	8	8
Nosopsyllus fasciatus	34	34
Total	44	44

Rickettsia typhi Testing Results

Flea species	NEG	Total
Ctenocephalides felis	2	2
Leptopsylla segnis	8	8
Nosopsyllus fasciatus	34	34
Total	44	44

Figure 5. Testing results for *Rickettsia felis* and *Rickettsia typhi* flea pools