



BAT ACOUSTIC MONITORING DATA SUMMARY 2020-2025 for BAINBRIDGE ISLAND

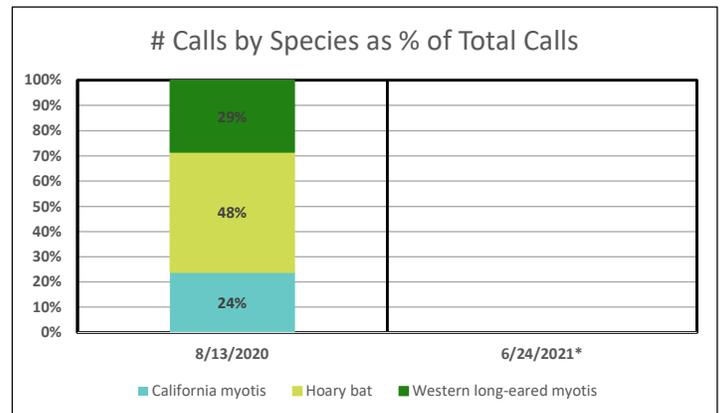
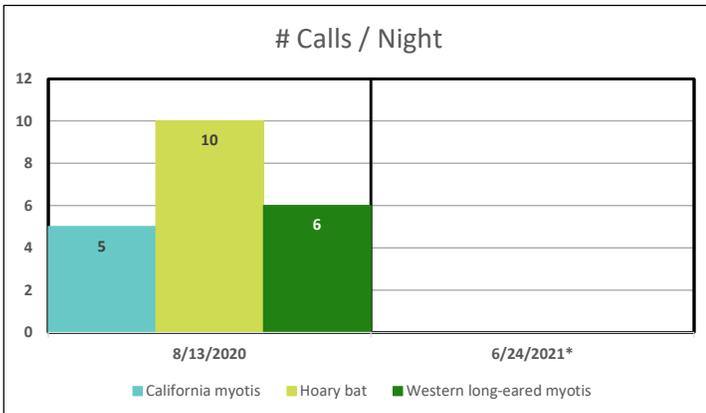
Conducted by Woodland Park Zoo and Bats Northwest (data submitted to the North American Bat Monitoring Program)

Bat acoustic recordings were made for one night at each site between late June and early August each summer, using either an Anabat Swift or Wildlife Acoustics SM4 detector. Files were processed using SonoBat software, first to separate "noise" files from bat calls. Bat calls were auto-identified by the Sonobat program, which returns a likelihood estimate of species presence.

The graphs below include only those species that were identified with a high degree of certainty (.7 or above), as calculated by SonoBat. Ten species of bats can be found in western Washington; thus far seven of these species have been detected as depicted in the graphs below. To date, neither fringed myotis bats, big brown bats nor Townsend's big-eared bats have been detected (or were detected but with a low degree of certainty and so are not included in the graphs).

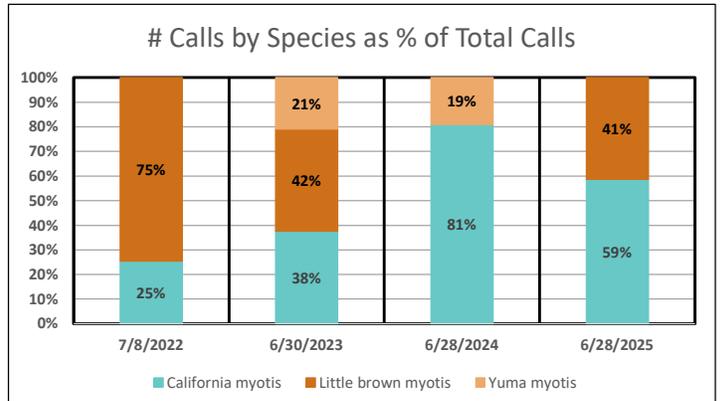
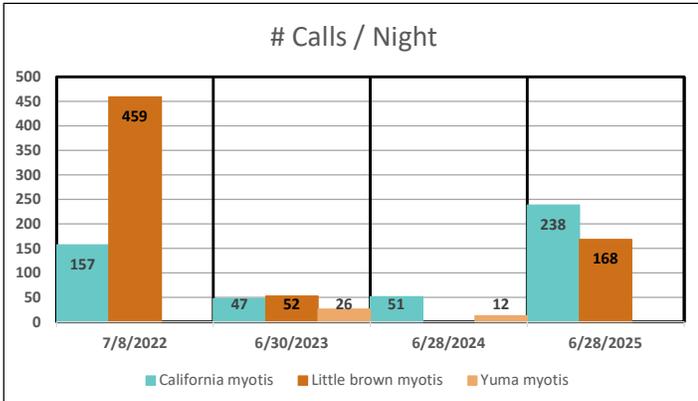
Weather notes: Summer 2021 brought atypically hot weather during the monitoring sessions (highs of 82 to 87 degrees and 10 PM temperatures of 71 to 82 degrees Fahrenheit), while summer 2024 brought atypically cool weather during the monitoring sessions (highs of 65 to 71 degrees and 10 PM temperatures of 56 to 65 degrees Fahrenheit, with some precipitation in the early evening of the first monitoring night). Other years saw more typical weather.

Strawberry Hill

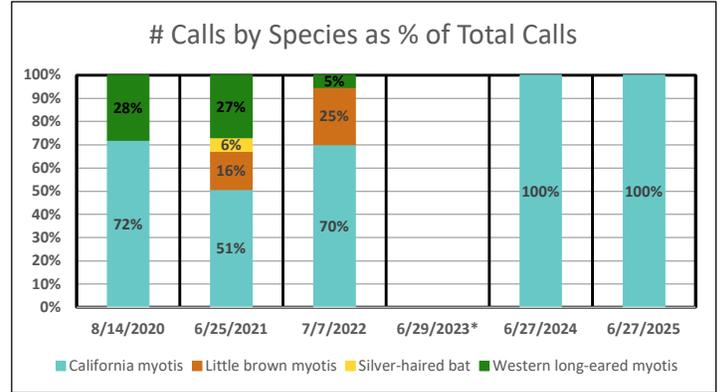
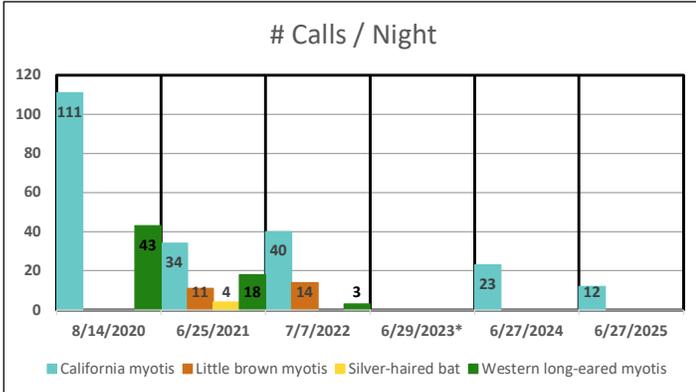


*Note: Strawberry Hill was only monitored in 2020 and 2021. There were no reliable detections of bat species on the 6/24/21 monitoring session.

Bloedel Reserve

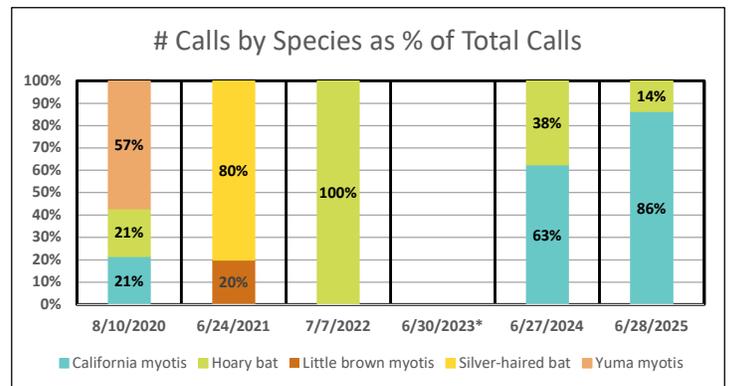
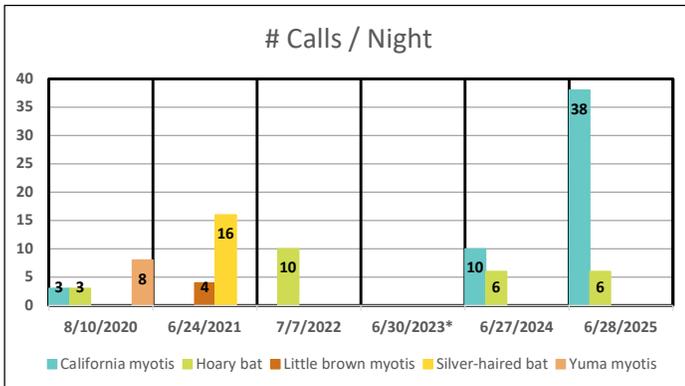


Heart of the Forest



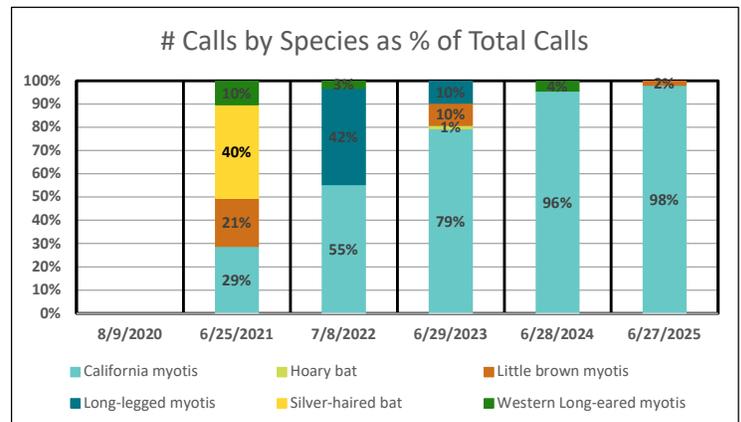
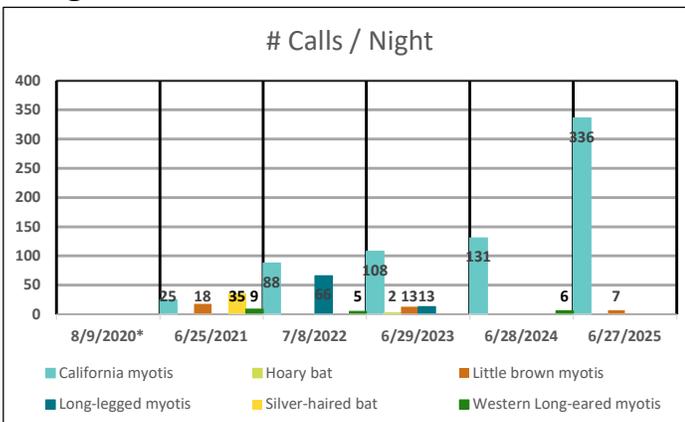
*Note: A detector malfunction on 6/29/23 resulted in no data collected that night.

Hidden Cove



*Note: A detector malfunction on 6/30/23 resulted in no data collected that night.

Meig's Park



*Note: There were no reliable detections of bat species on the 8/9/20 monitoring session. Monitoring location within Meig's Park was shifted between 2020-2021 and again from 2021-2022, but has remained at same location since 2022.

Species Detected on One Night of Monitoring Each Summer - 2020-2025

| Species | 2020 | | | | 2021 | | | | 2022 | | | | 2023 | | | | 2024 | | | | 2025 | | | |
|---------------------------|-------------|-------------|---------------------|-----------------|-------------|-------------|---------------------|-----------------|-------------|-------------|---------------------|-----------------|-------------|-------------|---------------------|-----------------|-------------|-------------|---------------------|-----------------|-------------|-------------|---------------------|-----------------|
| California Myotis | | | | | | | | | | | | | * | * | | | | | | | | | | |
| Hoary Bat | | | | | | | | | | | | | * | * | | | | | | | | | | |
| Little Brown Myotis | | | | | | | | | | | | | * | * | | | | | | | | | | |
| Long-Legged Myotis | | | | | | | | | | | | | * | * | | | | | | | | | | |
| Silver-Haired Bat | | | | | | | | | | | | | * | * | | | | | | | | | | |
| Western Long-Eared Myotis | | | | | | | | | | | | | * | * | | | | | | | | | | |
| Yuma Myotis | | | | | | | | | | | | | * | * | | | | | | | | | | |
| | Meig's Park | Hidden Cove | Heart of the Forest | Strawberry Hill | Meig's Park | Hidden Cove | Heart of the Forest | Strawberry Hill | Meig's Park | Hidden Cove | Heart of the Forest | Bloedel Reserve | Meig's Park | Hidden Cove | Heart of the Forest | Bloedel Reserve | Meig's Park | Hidden Cove | Heart of the Forest | Bloedel Reserve | Meig's Park | Hidden Cove | Heart of the Forest | Bloedel Reserve |

* Asterisk indicates the location was not monitored that year.

Map of Monitoring Sites on Bainbridge Island

