

Monticello Nature Park

Alexandria VA

Biannual Bat monitoring using the Echo Meter Touch 2 Pro bat detector

January - June, 2022

| Species | 02/02/22 | 02/09/22 | 02/16/22 | 02/21/22 | 03/02/22 | 03/06/22 | 03/17/22 | 03/22/22 | 04/25/22 | 06/25/22 | 06/29/22 | 06/30/22 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Townsend's big-eared bat (<i>Corynorhinus townsendii</i>) | | | | | 1? | | | | | | | 1? |
| Big brown bat (<i>Eptesicus fuscus</i>) | | | | 3 | 15 | 36 | | 31 | 36 | 65 | | 69 |
| Silver-haired bat (<i>Lasionycteris noctivagans</i>) | | | | 9 | 14 | 9 | | 34 | 23 | 10 | | 4 |
| Eastern red bat (<i>Lasiurus borealis</i>) | | | | 13 | 19 | 23 | 56 | 22 | 4 | 17 | 15 | 27 |
| Hoary bat (<i>Lasiurus cinereus</i>) | | 6 | 4 | | 6 | 9 | 3 | | 7 | 6 | | 3 |
| Southeastern myotis (<i>Myotis austroriparius</i>) | | | | | | | | | | | | |
| Gray myotis (<i>Myotis grisescens</i>) | | | | 6 | 3 | 17 | 2 | 3 | | 1 | | |
| Little brown myotis (<i>Myotis lucifugus</i>) | | | | 3 | 1 | 3 | 1 | | | 3 | 1 | 3 |
| Northern myotis (<i>Myotis septentrionalis</i>) | | | | | | | | | | 1? | | |
| Evening bat (<i>Nycticeius humeralis</i>) | | | | 36 | 35 | 4 | 5 | 8 | | 3 | 2 | 10 |
| Tricolored bat (<i>Perimyotis subflavus</i>) | | | | | | 2 | 1? | 2 | | | | |
| Total # of species | 0 | 1 | 1 | 6 | 8 | 8 | 6 | 6 | 4 | 8 | 3 | 7 |
| Sunset time | 5:30 | 5:38 | 5:46 | 5:52 | 6:02 | 6:06 | 7:17 | 7:22 | 7:55 | 8:37 | 8:37 | 8:37 |
| Duration of recordings (minutes) | 30 | 60 | 60 | 60 | 60 | 75 | 70 | 70 | 60 | 45 | 25 | 60 |

Notes:

Recordings started around sunset for a period of 30 to 75 minutes.

High abundance of species are partially explained by the same specimen leaving and re-entering the bat detector range multiple times within a short period.

Some records are inconclusive (?) due to a weak echolocation (spectrogram) signature.