Ecobat Bat Activity Analysis

Site Name: NA

NA

15/04/2019

### Summary

Bat surveys were conducted at Siddick Pond - Bird Hide, for 4 nights between 2017-05-10 and 2017-05-13, using Titley Scientific static bat detectors. The maximum of passes recorded in a single night was 95 passes, and 5 species were recorded.

The reference range dataset was stratified to include:

* Only records from within 30 days of the survey date.
* Only records from within 200km2 of the survey location.
* Records using any make of bat detector.

#### Table 1

Summary table showing the number of nights recorded bat activity fell into each activity band for each species.

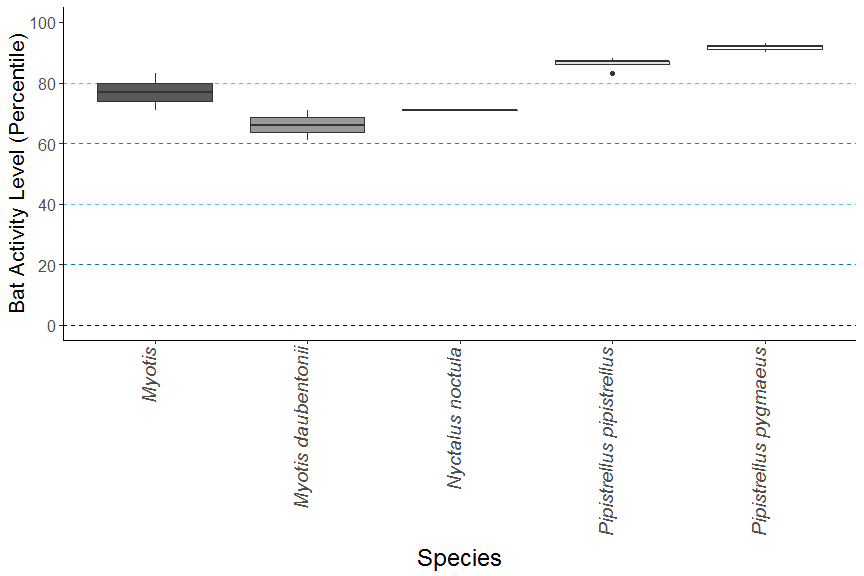
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Location | Species/Species Group | Nights of High Activity | Nights of Moderate/ High Activity | Nights of Moderate Activity | Nights of Low/ Moderate Activity | Nights of Low Activity |
| Siddick Pond - Bird Hide | *Myotis* | 1 | 1 | 0 | 0 | 0 |
| Siddick Pond - Bird Hide | *Myotis daubentonii* | 0 | 2 | 0 | 0 | 0 |
| Siddick Pond - Bird Hide | *Nyctalus noctula* | 0 | 1 | 0 | 0 | 0 |
| Siddick Pond - Bird Hide | *Pipistrellus pipistrellus* | 4 | 0 | 0 | 0 | 0 |
| Siddick Pond - Bird Hide | *Pipistrellus pygmaeus* | 3 | 0 | 0 | 0 | 0 |

#### Table 2

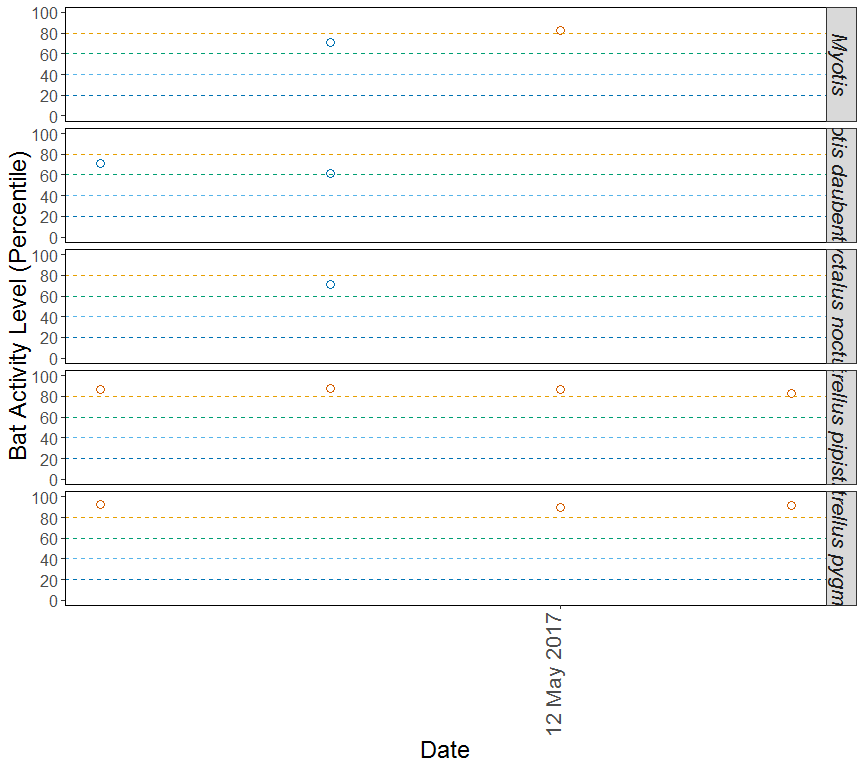
Summary table showing key metrics for each species recorded.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Location | Species/Species Group | Median Percentile | 95% CIs | Max Percentile | Nights Recorded | Reference Range |
| Siddick Pond - Bird Hide | *Myotis* | 77 | 77 - 77 | 83 | 2 | 155 |
| Siddick Pond - Bird Hide | *Myotis daubentonii* | 66 | 66 - 66 | 71 | 2 | 6 |
| Siddick Pond - Bird Hide | *Nyctalus noctula* | 71 | 0 | 71 | 1 | 79 |
| Siddick Pond - Bird Hide | *Pipistrellus pipistrellus* | 87 | 85 - 87.5 | 88 | 4 | 188 |
| Siddick Pond - Bird Hide | *Pipistrellus pygmaeus* | 92 | 90 - 93 | 93 | 3 | 108 |

### Figures



**Figure 1.** The recorded activity of bats during the survey. The centre line indicates the median activity level whereas the box represents the interquartile range (the spread of the middle 50% of nights of activity)



**Figure 2.** The activity level (percentile) of bats recorded across each night of the bat survey, split by species.