Appendix – NABat Grid Cell Survey Results

# GRTS Cell 3667 – Survey Results

##### Figure 1. GRTS Cell 3667 (black square) with stations surveyed in 2022 and inset map showing grid location compared to other grid cells (gray) surveyed in 2022 throughout Alberta.

##### Table 1. NABat station meta data for GRTS Cell 3667.

| **Station** | **3667\_NE\_01** | **3667\_NW\_01** | **3667\_SE\_01** | **3667\_SW\_01** |
| --- | --- | --- | --- | --- |
| Orig\_Name | Wabasca - Unit 2 | Wabasca - Unit 1 | Wabasca - Unit 4 | Wabasca - Unit 3 |
| Latitude | 55.9164 | 55.9062 | 55.8628 | 55.8528 |
| Longitude | -114.0579 | -114.1657 | -114.0572 | -114.1223 |
| Survey Start Time | 2022-07-04 |  | 2022-07-04 | 2022-07-04 |
| Survey End Time | 2022-07-11 |  | 2022-07-11 | 2022-07-11 |
| Detector |  |  |  |  |
| Detector Serial Number |  |  |  |  |
| Microphone |  |  |  |  |
| Microphone Serial Number |  |  |  |  |
| Microphone Orientation |  |  |  |  |
| Microphone Height |  |  |  |  |
| Clutter Distance |  |  |  |  |
| Clutter Type |  |  |  |  |
| Percent Clutter |  |  |  |  |
| Waterbody Distance | 1258 | 2173 | 1420 | 277 |
| Waterbody Type | LAKE-PER | LAKE-PER | LAKE-PER | LAKE-PER |
| Road Distance | 38 | 25 | 68 | 62 |
| Road Type | OTHER | OTHER | OTHER | OTHER |
| Land Use Type | Forest-deciduous | Shrubland | Developed | Forest-conifer |
| Land Unit Code | LOPR | LOPR | LOPR | LOPR |
| Contact | Brett.Sarchuk@gov.ab.ca | Brett.Sarchuk@gov.ab.ca | Brett.Sarchuk@gov.ab.ca | Brett.Sarchuk@gov.ab.ca |
| Weather Proofing |  |  |  |  |
| Unusual Occurrences |  |  |  |  |

##### Table 2. Minimum and maximum nightly survey weather conditions - Temperature (°C), Relative Humidity (%), and Wind Speed (km/hr) for GRTS Cell 3667.

| **Survey Night** | **min\_temp** | **max\_temp** | **min\_hum** | **max\_hum** | **min\_wind** | **max\_wind** |
| --- | --- | --- | --- | --- | --- | --- |
| 2022-07-04 | 9.9 | 15.1 | 81 | 98 | 0 | 17 |
| 2022-07-05 | 8.4 | 16.5 | 70 | 99 | 0 | 13 |
| 2022-07-06 | 10.6 | 19.2 | 58 | 98 | 5 | 21 |
| 2022-07-07 | 12.8 | 16.4 | 86 | 100 | 4 | 21 |
| 2022-07-08 | 13.0 | 21.9 | 46 | 97 | 0 | 15 |
| 2022-07-09 | 14.4 | 22.2 | 39 | 66 | 8 | 21 |
| 2022-07-10 | 14.1 | 21.4 | 49 | 64 | 13 | 30 |
| 2022-07-11 | 13.9 | 22.5 | 49 | 82 | 0 | 21 |

##### Figure 2. Mean (± 1 Standard Error) nightly bat calls for GRTS Cell 3667 in 2022.

##### Figure 3. Total bat calls for GRTS Cell 3667 in 2022.

##### Table 3. Nightly call counts for GRTS Cell 3667, as identified by Alberta eBat to species / species groups, unknown (Unk), or as noise (i.e., not a bat).





