

Figure 2. Mist-net site locations, Republic Wind Project study area, Seneca and Sandusky Counties, Ohio, 2015.

Diurnal Radio Telemetry

In accordance with the ODNR/USFWS approved study plan, seven northern longeared bats and the only Indiana bat captured were radio-tagged in order to locate diurnal roost trees (Table 3).

| | | D 1 N 1 | | | | | Transmitter Freq. |
|----------------------|-------------|---------|------------------|------------------|---------------------|----------|---------------------|
| Species ¹ | Site No. | (ODNR) | Age ² | Sex ³ | Status ⁴ | Mass (g) | (172.xxx) BAT ID |
| MYSE | 26 | 23551 | A | F | PL | 6.5 | 188 |
| MYSE | 26 | 23552 | А | F | PL | 7.25 | 587 |
| MYSE | 18 | 23360 | J | F | NR | 6.75 | 030 |
| MYSE | 18 | 23361 | A | F | NR | 7.5 | 137 |
| MYSE | 13 | 17179 | А | F | L | 7.5 | 205 |
| MYSE | 22 | 17171 | А | М | NR | 8.0 | 287 |
| MYSE | 33 | 17166 | А | F | NR | 6.0 | 450 |
| MYSE | 18 | 23362 | J | F | NR | 6.0 | - |
| MYSE | 1 | 17172 | А | М | NR | 7.0 | - |
| MYSE | 5 | _5 | J | F | NR | 6.0 | - |
| MYSE | 12 | 17344 | J | F | NR | 6.0 | - |
| MYSE | 13 | 17179 | А | F | L | 7.0 | - |
| MYSE | 15 | 17345 | А | F | PL | 7.5 | - |
| MYSE | 20 | 17168 | J | F | NR | 6.0 | - |
| MYSO | 26 | 23553 | А | F | PL | 8.5 | 779 |

Table 3. Indiana and northern long-eared bats captured and radio-tagged during the mist-net survey, Republic Wind Project, Ohio, 2015.

¹MYSE=northern long-eared bat, MYSO=Indiana bat

²A=adult, J=juvenile

³F=female, M=male

⁴ PL=post-lactating, NR=non-reproductive, L=lactating

⁵Escaped before band could be fitted

Of the eight bats that were radio-tagged, three northern long-eared bats and one Indiana bat were tracked for seven days each. One northern long-eared bat (MYSE 188) was tracked for two days, and one (MYSE 137) was tracked for three days, both due to the transmitter falling off. One northern long eared bat (MYSE 450) was captured on the last night of the mist-net survey and was only tracked for two days because the maximum number of bats to be radio-tagged had already been met. The male northern long-eared bat was not tracked during diurnal telemetry because the target number of females were met. As a result of the diurnal radio telemetry effort, 14 northern longeared bat roost trees and two Indiana bat roost trees were located (Table 4, Figures 3-6). Completed roost tree data sheets are in Appendix D and roost tree photographs are in Appendix E.

| Deest | | | Estir Heig | nated ht (m) | | | | No. |
|---------------|-------------------------|------|---------------|-----------------|------------------------|----------------------|--------------------------|------|
| KOOSt Tree | | DBH | | | | Ттее | Bat Species | Davs |
| No. | Tree Species | (cm) | Tree | Roost | Condition ² | Ranking ³ | Use ⁴ _BAT ID | Used |
| 983 | Fraxinus pennsylvanica | 27.0 | 9.0 | 3.0 | S | S | MYSE_188 | 1 |
| | | | | | | | MYSE_188 | |
| 395 | Prunus serotina | 37.2 | 17.0 | 10.7 | S | C | MYSE_587 | 3 |
| 985 | Fraxinus pennsylvanica | 28.5 | 12.0 | 8.0 | S | С | MYSE_137 | 1 |
| 988 | Acer saccharinum | 36.3 | 15.0 | 20.0 | LD | С | MYSE_137 | 1 |
| 986 | Acer saccharinum | 16.6 | 5.0 | 4.0 | S | S | MYSE_137 | 1 |
| 984 | Fraxinus pennsylvanica | 34.3 | 12.0 | 7.0 | S | С | MYSE_030 | 2 |
| 987 | Acer saccharinum | 56.3 | 12.0 | 8.0 | S | С | MYSE_030 | 5 |
| 369 | Fraxinus pennsylvanica | 40.0 | 4.0 | 3.0 | S | U | MYSE_587 | 1 |
| 371 | Fraxinus pennsylvanica | 42.4 | 18.0 | 9.0 | S | С | MYSE_587 | 2 |
| 372 | Carya ovata | 34.0 | 23.0 | 15.0 | L | С | MYSE_587 | 1 |
| 373 | Fraxinus sp. | 47.2 | 24.5 | 12.0 | S | С | MYSE_587 | 2 |
| 140 | Fraxinus sp. | 48.5 | 25.0 | 20.0 | S | С | MYSE_205 | 2 |
| 314 | Quercus sp. | 91.0 | 18.5 | - | S | С | MYSE_205 | 2 |
| 396 | Fraxinus sp. | 31.0 | 11.0 | 6.0 | S | С | MYSE_450 | 2 |
| 368 | Unk. ¹ | 52.7 | 21.5 | 7.5 | S | С | MYSO_779 | 5 |
| 370 | Fraxinus. pennsylvanica | 58.7 | 18.5 | 3.0 | S | С | MYSO_779 | 1 |

| Table 4. Northern long-eared bat and Indiana bat roost trees located during radio teleme | etry |
|--|------|
| efforts, Republic Wind Project, Ohio, 2015. | 2 |

¹ unk = too decayed to determine species ² L = live, LD = live damaged, S = snag

³ C= canopy, SC = sub canopy, U = understory

⁴ MYSE = northern long-eared bat, MYSO = Indiana bat



Figure 3. Roost trees used by northern long-eared bats, Republic Wind Project 2015.



Figure 4. Roost trees used by northern long-eared bats, Republic Wind Project, 2015.



Figure 5. Roost trees used by northern long-eared bats, Republic Wind Project, 2015.



Figure 6. Roost trees used by the Indiana bat, Republic Wind Project, 2015.

Radio-tagged bat(s) not located by ground crew(s) after several hours of searching were located by the airplane the same day. In these cases, the aerial crew provided coordinates of the bat's estimated location to the ground crew, allowing them to quickly pick up the transmitter signal and continue on foot to locate the roost tree. All radio-tagged bats were accounted for during each day of tracking, except for MYSE 205, which could not be located by either the ground or aerial crew on 29 July 2015; MYSE 205 was heard again on 30 July 2015 where it was found in roost tree 314 (Table 5).

The aerial crew was also used to confirm whether a transmitter had been shed by a bat. When a radio-tagged bat did not emerge from its roost tree during an emergence count and was not heard flying during foraging telemetry efforts that evening, it was considered to have been shed by the bat. This occurred with MYSE 188 on day three of tracking and MYSE 137 on day four of tracking (Table 5).

During seven days of tracking, the juvenile female northern long-eared bat switched roost trees the fewest times (n=2), using two roost trees. The greatest number of roost tree switches (n=4) was done by an adult female northern long-eared bat (MYSE 587) that used five roost trees over seven days. The adult female Indiana bat also switched roost trees four times, but only used two different roost trees over seven days (Table 5).

| Bat | | | | | | | | | | |
|-----|------------------|--------|--------|--------|--------|-----------|------------|--------|------------|------------|
| ID | Bat ¹ | 25-Jul | 26-Jul | 27-Jul | 28-Jul | 29-Jul | 30-Jul | 31-Jul | 1-Aug | 2-Aug |
| 188 | AF-MYSE | RT983 | RT395 | shed | - | - | - | - | - | - |
| 137 | AF-MYSE | - | - | RT985 | RT986 | RT988 | shed | - | - | - |
| 030 | JF-MYSE | - | - | RT984 | RT984 | RT987 | RT987 | RT987 | RT987 | RT987 |
| 587 | AF-MYSE | - | - | RT395 | RT369 | RT371 | RT371 | RT372 | RT373 | RT373 |
| 205 | AF-MYSE | - | - | RT140 | RT140 | no signal | RT314 | RT314 | off parcel | off parcel |
| 450 | AF-MYSE | - | - | - | - | - | - | - | RT396 | RT396 |
| 779 | AF-MYSO | - | - | RT368 | RT370 | RT368 | off parcel | RT368 | RT368 | RT368 |

Table 5. Roost tree (RT) use by radio-tagged northern long-eared and Indiana bats, Republic Wind Project, Ohio, 2015.

¹ AF = adult female, JF = juvenile female, MYSE=northern long-eared bat, MYSO=Indiana bat

Emergence Counts

A total of 37 emergence counts were conducted from 25 July – 2 August 2015 (Table 6). The highest emergence count from a single roost tree was five bats, which occurred at two northern long-eared bat roost trees [RT987 (juvenile female), RT371 (adult female)], and one Indiana bat roost tree [RT368 (adult female)]. In several instances, despite knowing there was at least one radio-tagged bat in a roost tree, the bat(s) did not emerge before dark and those roost trees were given an emergence count of zero (Table 6).

| Roost No. | 25-Jul | 26-Jul | 27-Jul | 28-Jul | 29-Jul | 30-Jul | 31-Jul | 1-Aug | 2-Aug |
|-------------------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| MYSE ¹ | | | | | | | | | |
| 983 | 1 | | | | | | 1 | | |
| 395 | | 1 | | 02 | | 02 | | | |
| 985 | | | 2 | 1 | | | | | |
| 984 | | | 1 | 1 | | | | | |
| 140 | | | 2 | 2 | | | | | |
| 986 | | | | 1 | | | 0 | | |
| 369 | | | | 02 | | | | | |
| 987 | | | | | 3 | 3 | 5 | 3 | 1 |
| 988 | | | | | 2 | 02 | | | |
| 371 | | | | | 3 | 5 | | | |
| 314 | | | | | | 3 | | | |
| 372 | | | | | | | 1 | | |
| 396 | | | | | | | | 1 | 2 |
| 373 | | | | | | | | 1 | 1 |
| Total Bats | 1 | 1 | 5 | 5 | 8 | 11 | 7 | 5 | 4 |
| MYSO ¹ | | | | | | | | | |
| 368 | | | 4 | 1 | 2 | | 5 | 2 | 1 |
| 370 | | | | 1 | | 0 | | | |
| Total Bats | | | 4 | 2 | 2 | 0 | 5 | 2 | 1 |

Table 6. Emergence counts of northern long-eared and Indiana bat roost trees, Republic Wind Project, Ohio, 2015.

¹ MYSE = northern long-eared bat, MYSO = Indiana bat

² radio-tagged bat was present in tree, but did not emerge before dark

Foraging Telemetry

Foraging telemetry was conducted on one Indiana bat and five northern long-eared bats from 27 - 31 July 2015 as outlined in the USFWS/ODNR approved study plan (Table 7). Two northern long-eared bats, one adult male and one adult female, were tracked for less than five nights because telemetry effort focused on female bats and MYSE 137's transmitter shed after three days. All other radio-tagged bats were tracked for five nights each. The number of foraging points collected for each bat ranged from 10 - 87 with an average of 54.5 ± 11.6 points per bat (Figure 7).

| Bat ID | Age* | Sex* | Repro. Status* | Species* | No. Nights Tracked | No. Points Collected |
|-----------|------|------|----------------|----------|--------------------|----------------------|
| 030 | J | F | NR | MYSE | 5 | 87 |
| 137 | А | F | NR | MYSE | 3 | 38 |
| 205 | А | F | L | MYSE | 5 | 63 |
| 587 | А | F | PL | MYSE | 5 | 49 |
| 287 | А | М | NR | MYSE | 2 | 10 |
| 779 | А | F | PL | MYSO | 5 | 80 |

Table 7. Data collected on foraging northern long-eared and Indiana bats, 27 July – 31 July, Republic Wind Project, Ohio, 2015.

* J = juvenile, A = adult, F = female, M = male, NR = non-reproductive, L = lactating, PL = post-lactating, MYSE = northern longeared bat, MYSO = Indiana bat

Foraging area sizes were calculated for six radio-tagged bats (Table 8, Fig. 8). Sizes of the 50% and 75% probability contour foraging areas were not different among individuals; however, 95% probability contour foraging areas did vary in size among individuals (Table 9). Variation in total foraging area sizes is to be expected when comparing across multiple species, ages, and sexes; however, total foraging area sizes varied even among female northern long-eared bats (Table 9, 10). Foraging areas for individual bats are displayed in Figures 9 – 14.

Mean foraging distance from forested habitat did not differ among individual bats ($F_{5,121} = 1.692$, P = 0.142), therefore all bats were grouped together resulting in 39 percent of foraging points (n=127) being located outside of forested habitat. The mean distance bats foraged from the forest edge was 57.5±5.1 meters (range: 0.2 – 379.3 m). However, 61 percent of foraging points (n = 202) were within forested habitat.



Figure 7. Foraging points collected on five northern long-eared bats and one Indiana bat, Republic Wind Project, 2015.

| | | | | For | raging Area (acı | res) |
|----------|------|------|------------------|-------------|------------------|-------------|
| Bat ID | Age* | Sex* | Species* | 95% contour | 75% contour | 50% contour |
| multiple | | | Sum of All Bats | 366.0 | 74.2 | 27.6 |
| 030 | J | F | MYSE | 100.6 | 41.5 | 20.4 |
| 137 | А | F | MYSE | 65.4 | 31.2 | 8.0 |
| 205 | А | F | MYSE | 52.6 | 22.7 | 10.6 |
| 587 | А | F | MYSE | 110.2 | 18.1 | 45.3 |
| 287 | А | М | MYSE | 15.1 | 3.2 | 1.1 |
| 779 | А | F | MYSO | 266.4 | 138.7 | 58.1 |
| multiple | | | Mean of All Bats | 101.7±35.8 | 47.1±3.2 | 19.4±8.3 |

| Table 8. | Foraging area | sizes for | northern | long-eared | and | Indiana | bats, | Republic | Wind | Project, |
|-----------|----------------|-----------|----------|------------|-----|---------|-------|----------|------|----------|
| 27 July - | 31 July, 2015. | | | C | | | | - | | |

* J = juvenile, A = adult, F = female, M = male, MYSE = northern long-eared bat, MYSO = Indiana bat

Table 9. Comparison of foraging area size among individuals, Republic Wind Project, 27 July – 31 July, 2015. Italicized values are significant at level alpha = 0.05.

| | | | Foragin | g Area | | |
|--------------------|----------|-----------|----------------------|-----------|---------|------------|
| | mean 95% | 6 contour | mean 75 ^o | % contour | mean 50 |)% contour |
| Bat Group | t | р | t | р | t | р |
| All Bats $(n = 6)$ | 2.347 | 0.066 | 2.437 | > 0.05 | 2.841 | 0.036 |
| Female MYSE (n=4) | 2.479 | 0.089 | 5.506 | 0.012 | 5.956 | 0.009 |

Table 10. Mean foraging area size for three adult and one juvenile female northern long-eared bats, Republic Wind Project, 27 July – 31 July, 2015.

| | | I | Foraging A | rea (acres) | | |
|-----------------------|-----------|--------------|------------|-------------|----------|-------|
| | mean | | mean | | mean | |
| | 95% | | 75% | | 50% | |
| Bat group | contour | range | contour | range | contour | range |
| | | | | | | 8.0 - |
| Female MYSE $(n = 4)$ | 82.2±13.8 | 52.6 - 110.2 | 35.2±5.1 | 22.7 - 45.3 | 14.3±2.9 | 20.4 |

The number of foraging points collected per bat was similar to the low end number of foraging points collected in other similar studies that were conducted for much longer periods of time (Menzel et al. 2005, Womack et al. 2013). In addition, the overall number of foraging points collected over five days was similar to the number collected from ground crews over several months in other studies (Menzel et al. 2005, Womack et al. 2013). Although the number of foraging points collected was strongly correlated with the number of nights a bat was tracked (r = 0.879, p = 0.021), the size of the core

¹⁹

⁴¹²⁻ Republic Wind Project Bat Survey, Seneca and Sandusky Counties, Ohio, July 2015

foraging area (50% probability contour) was not correlated to the number of nights a bat was tracked (r = 0.664, p = 0.150) or the number of location points collected (r = 0.557, p = 0.251) for each bat.

⁴¹²⁻ Republic Wind Project Bat Survey, Seneca and Sandusky Counties, Ohio, July 2015



Figure 8. Foraging areas utilized by radio-tagged bats, Republic Wind Project, 2015.



Figure 9. Foraging area utilized by bat 030, Republic Wind Project, 2015.



Figure 10. Foraging area utilized by bat 137, Republic Wind Project, 2015.



Figure 11. Foraging area utilized by bat 205, Republic Wind Project, 2015.



Figure 12. Foraging area utilized by bat 287, Republic Wind Project, 2015.



Figure 13. Foraging area utilized by bat 587, Republic Wind Project, 2015.



Figure 14. Foraging area utilized by bat 779, Republic Wind Project, 2015.

CONCLUSIONS

Of the 429 bats captured during this survey, big brown bats comprised 75 percent (n=320) and eastern red bats comprised 21 percent (n=88) of the total captures. The remaining 14 percent of captures included 14 northern long-eared bats and one Indiana bat. Notably fewer northern long-eared bats were captured during this survey (14 bats/284 net nights) than in 2011 (95 bats/200 net nights; ESI 2011). One female Indiana bat was captured in both 2015 and 2011.

Capture data and diurnal and foraging telemetry data from this study suggest that at least eight areas within the Study Area are being used by northern long-eared bats. However, three of these areas are not within the Project Area (Figure 2). The close proximity of the 2015 and 2011 Indiana bat captures and the overlap in foraging areas from both studies suggests that 2015 and 2011 captures are from the same colony.

Foraging areas of northern long-eared and Indiana bats were primarily restricted to forest and forest edges, similar to Menzel et al. (2005), with individual location points well clustered. All northern-long eared bats were captured within their respective estimated foraging areas, however, the Indiana bat was captured in a woodlot that it did not revisit during the collection of foraging data. The Indiana bat utilized several woodlots in close proximity to one another during foraging bouts, suggesting that this Indiana bat was more likely than the northern long-eared bats to travel between noncontiguous woodlots during foraging bouts. Differences in the sizes of the 50% and 75% probability contour foraging areas among the female northern long-eared bats suggests that foraging data collected from one individual within each sex/age class is likely not representative of the population's use of the area; however, grouping all bats into one foraging area can provide a representation of land use by listed bats within the area studied. Telemetry data from this study suggests that avoiding turbine placement within 380 meters of suitable habitat would likely reduce interactions of summer resident Indiana or northern long-eared bats with turbines therefore decreasing the likelihood of collision caused mortality during the maternity season.

⁴¹²⁻ Republic Wind Project Bat Survey, Seneca and Sandusky Counties, Ohio, July 2015

LITERATURE CITED

- Britzke, E. R., M. J. Harvey, and S. C. Loeb. 2003. Indiana bat, *Myotis sodalis*, maternity roosts in the southern United States. Southeastern Naturalist. 2(2):235-242.
- Center for Biological Diversity (CBD) 2010. Petition to list the eastern small-footed bat *Myotis leibii* and northern long-eared bat *Myotis septentrionalis* as threatened or endangered under the Endangered Species Act. 61 pp.
- Edwards-Pitman Environmental, Inc. (EPEI). 2013. Ecology Resource Survey and Assessment of Effects Report, Elbert County, PI No. 0009863, SR 368/Anderson Highway Bridge over Pickens Creek. Draft report for Georgia Department of Transportation, Office of Environmental Services.
- Hall, E. R. 1981. The Mammals of North America. Volume I. John Wiley & Sons, New York, NewYork
- Menzel, J. M., W.M. Ford, M.A. Menzel, T.C. Carter, J.E. Gardner, J.D. Garner, J.E. Hofmann. 2005. Summer habitat use and home-range analysis of the endangered Indiana bat. Journal of Wildlife Management 69(1): 430-436.
- Ohio Division of Natural Resources (ODNR). 2009. On-Shore Bird and Bat Pre- and Post-Construction Monitoring Protocol for Commercial Wind Energy Facilities in Ohio: An Addendum to the Ohio Department of Natural Resource's Voluntary Cooperative Agreement.
- Ohio Division of Natural Resources Division of Wildlife. 2015. Ohio Division of Wildlife and USFWS (OH Field Office) Guidance for Bat Permitted Biologist.
- Reichard, J. D. and T. H. Kunz. 2009. White-nose syndrome inflicts lasting injuries to the wings of little brown myotis (*Myotis lucifugus*). Acta Chiropterologica, 11(2) 457-464.
- (USFWSa) United States Fish and Wildlife Service. 2015. Range-wide Indiana Bat Summer Survey Guidelines.
- Womack, K.M., S.K. Amelon, F.R. Thompson III. 2013. Summer home range size of female Indiana bats (*Myotis sodalis*) in Missouri, USA. Acta Chiropterologica 15(2): 423-429.

⁴¹²⁻ Republic Wind Project Bat Survey, Seneca and Sandusky Counties, Ohio, July 2015



APPENDIX A

Mist-Net Data Sheets

| # | Time | Species | Age | Sex | Repr. | Mass | FA (mm) | Net | Height | WDI | G/H/B/T | Band# | Freq. | Moon Phas | e IDD % | N 89.1 | | Vax / Wan |
|----|----------|---------|-----|---------------|-------|-------|-----------------|-----|-----------|-------|-------------|-------|-------|-----------|--------------|-----------|---------|-----------|
| 1 | | | - | | | 16/ | | | (my | | | Type | | | 1 | Rise | | Set |
| 2 | NO | BAS | | | - | - | | - | | - | | | | Sun | | 10.20 | MAG | 9:51 av |
| 3 | | | | | 1 T | 1. | | 1 | | - | 7 | | - | Moon | | 9:0 | 5 0.11 | 9.1000 |
| 4 | 1.0 | | | | 1 | - | | | - | C | 1 1 1 1 1 1 | | - | | | 1.4 | 2 prvi | 1.10 0.4 |
| 5 | | | | 5.000 | | - | | - | - | - | | | - | | 1 | Ser | 1 | 1 |
| 6 | | 1 | - | 1 | 4 | | | | | | | | | Time | Temp (F) | Sky | Wind | No. Bats |
| 7 | ST | | 1. | - | | | | - | | | | | - | 9.60 | 1.0 | 1 | | ~ |
| 8 | 10.000 | | 1 | | - | | | - | | - | | | | 12.61 | 1.2.6 | 1 | 0 | 0 |
| 9 | | | 1 | | | - | _ | | | | | | | 0.00 | EQI | 1 | 0 | 0 |
| 10 | 1 | | | 12.2.17 | | | | - | | | | | | FIUV | 201 | - | Q. | 0 |
| 11 | | | - | | | 1 | | | | | _ | | | | | | | |
| 12 | | | | | 1. | 1 | | | | | | - | | | + + | - | | |
| 13 | | | | - | | | - | - | | | - | | | | | | - | |
| 14 | | | - | 1 | 1 | 5 | | - | | | - | - | | - | | | - | 1 |
| 15 | | | 1 | | - | | | | | 1 | | - | | - | | - | L | |
| 16 | 1000 | | | - | 1 | C | | | | | | | | | | ky Code | | |
| 17 | - | | | | 10 | 1 | 1 | | | | - | | | 0 | Clear | ny cout | | |
| 18 | | | | 1.1 | | | | | | | | | | 1 | Few Cloud | | _ | |
| 19 | 1. S. S. | 1 | | 1 | | | | - | 1.000 | 0 - 1 | | | | 2 | Partly Clou | dv | | |
| 20 | - | | | | 1 | 100 | | _ | | | | | | 3 | Cloudy or | worcast | | |
| 21 | | | | To the H | 1.1 | | | | | | C | - | | 4 | Fog or smo | ka | | |
| 22 | | | | | - | | | | | | | | 1 | 5 | Drizzle or l | ight rain | | |
| 23 | | | | · · · · · · · | 1000 | | | | 1 | - | | | 1 | 6 | Heavy rain | - thunda | r storm | |
| 24 | | | | | 1 1 | | | | | | - | | 1 | | r icavy fall | - munde | storm | - |
| 25 | | | 1 | | | | | | | | | - | | | Beauf | ort Win | Scale | |
| 26 | 1 | | | | | | | | 1 | | | | - | 0 | Calm: <1 m | nh | Juie | |
| 27 | | | | | | | - | | · · · · · | | | | | 1 | Light air 1 | 3 mph | | |
| 28 | | | h 1 | | 1 | | | | | 1 220 | - | 1.000 | 1.11 | 2 | Light breez | e: 4-6 mm | h | _ |
| 29 | | | | | | 1.000 | | | | | | | | 3 | Gentle bree | ze: 7-10 | nnh | - |
| 30 | | | | 1 | | | · · · · · · · · | | | | - | | | 4 | Moderate h | 10070:11 | 16 mah | |

| Tourn | ocation_ | PCB | 80. | Chata | DH | set set | Time Lie | G'I | D Tim | Dawn | 2 2 2 2 | | | 57 | 100 | | 10 | |
|-------|---------------------------------------|---------------------|-------|-----------|--------|-------------|------------|-----|---------------|-----------------------|---------------|----------------------------|---------|-----------|---|--------------|----------|-----------|
| at/I | on · LITA | A.NUE | 1.711 | State_ | WITH | -27, | 29112 | 4 | Zono | ne Dowi | Datum A | 111.083 | Obcorre | NG1 | N Slow | De 1 | | J |
| aug L | on, en | | × | | | | 2 ET 1-2 E | 5 1 | Zone | | Dutum | VPY 0 | Observe | SVC | MODIE | CO | PPEP | RHEAL |
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type <u>Obw</u> R | Freq. | Moon Phas | ie 57% | | (V | Vax / Wan |
| 1 | 11:25 | MYSE | A | M | ND | 7 | 36 | D | 2.6 | 0 | 0 | 17170 | - | | | Rise | | Set |
| 2 | | 1 let | - | 1.00 | | | | ~ | - | | 1 | | 0.000 | Sun | | 6:2 | Zam | 8:550 |
| 3 | | | |) = D | (C | 0.0 | | | | S | | | i = i | Moon | | 5.51 | own. | Stille at |
| 4 | | 1 | | | | | | | | | | | 1 | | | A | 1 | |
| 5 | · · · · · · · · · · · · · · · · · · · | P | | | | | 1. | 2.1 | 1 | | | | | Timo | Tomm (E) | Class | Mind | No Pate |
| 6 | | | | | | | - | | · | | | | | Time | Temp (F) | БКУ | wind | No. bats |
| 7 | | 7 | | - | | | | | | | | | | 9:30 | 108 | 1 | 0 | (c) |
| 8 | | | | | | | | | (| | 1 | | | 11:23 | 610 | 1.10 | 17 | 1 |
| 9 | | · · · · · · · · · · | 1 | · | | | | | | | Strating 1 | | | 2'05 | 62 | 1 | 0 | j |
| 10 | 1.0 | 1 | 1 | | N 1. | | | 1 | 1 | - | | | | | | | | |
| 11 | | L | | · · · · · | | 1 | 1.000 | | 1000 | | 1 | | | | | | 1 | |
| 12 | 1. | 2 | | | | | | | | | | | 8 | | 1 | | | 1 |
| 13 | 1.11 | | | 1 | 1 | 1 | | _ | | | | | | | | | E. D | |
| 14 | 1 | 2 | | | | | | | | | | - | | | -t | | | |
| 15 | | | | 1 | | 1 | (| _ | | | | (|) | | | | | - |
| 16 | 1.20 | | | | I | 1.00 | 1 | | | | 1. The second | | | | 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - | Sky Code | | |
| 17 | | - | - | | 1 | | - | | | 1 | | | _ | 0 | Clear | | | |
| 18 | | 1 | - | - E-18-1 | | | | | | · · · · · · · · · · · | | | - | 1 | Few Cloud | ls | | |
| 19 | | | - | - | | 2.1 | _ | | | | | | | . 2 | Partly Clo | udy | | |
| 20 | _ | | | | | | - | _ | - | - | | - | | 3 | Cloudy or | overcast | | |
| 21 | | | - | - | 1 | - | | | | | - | | - | 4 | Fog or smo | oke | | |
| 22 | - | | | - | 1 | | - | | | - | | | 0 | 5 | Drizzle or | light rain | | |
| 23 | - | | | | _ | | | - | - | - | | | - | 6 | Heavy rai | n - thunde | er storm | |
| 24 | | | | | - | | - | - | - | | - | _ | | - | Pare | fort TAT | I Cast- | |
| 26 | | | - | | - | | | | | | - | | - | 0 | Calmid | fort wind | a Scale | |
| 27 | | | 1 | - | - | - | | - | | | - | | | 1 | Light air 1 | nph 2 mmh | | |
| 28 | | | | | | | | - | | - | | | | 1 | Light air: 1 | -3 mph | h | |
| 29 | | | | | | - | | - | | | | | _ | 2 | Contla ha | ze: 4-6 mp | m | |
| 30 | | | | | N | | | - | | | | - | - | | Modorate | eze: /-101 | 16 mph | |
| cou | stic Surv | vev: Unit tvr | e | _ | Unit # | | Date | | Start tim | ne | | Stop time | | | wioderate | oreeze: 11 | -10 mpn | - |
| | | -), | | | - men. | | Date | | Start tim | ne | - | Stop time | | Please Ro | turn to: | | - | _ |
| | | | | | | | Date | | Start tim | ne | | Stop time | | PO Boy | 73 Paint I | ick KV | 40461 | |
| | 1.000 | C | | | | | C | 122 | Sunt un | | | orop unie_ | | 1.0.00 | o, rant l | LICK, NI | , 10101. | |

Property susner-Harold Daniel's

| | h; UTM: N/E - W/N - CC | 69239 | Zone_ | | Observers | Rain | Stor | - Br | and | DN DW | 43 |
|-------------------|--|---|--|---|---|--|--|--|---|---|-----------------------|
| Datum | n: NAO83 County Seveca | State DI- Qua | d Fires | nale | | | | | | | |
| Site Di | iagram: | Hei | ght Length | | 1 | | Domi | nant Veg | getation | 1.1 | |
| | 3 1 | Net (m |) (m) | Dates | 1. Ked 1 | Map | 2 | 4. an | ater 3 | sible | |
| | 2.1 | A 20 | ft lom | 7/27/2015 | 2.513 | 410/20 | NY . | 5. 5 | しきの | - Widey | <u>el</u> la |
| | 2 110 0 | B 204 | - lem | 712712015 | 3. Co H2 | n wi | DDA . | _6 | 12 | | _ |
| Ų | 1 prot | C 20 | * lom | 31271206 | | | | | | | |
| 4 | | D 308 | + am | 712712015 | | | Net | Set by H | abitat | | - |
| 24 | Minist Ar | C E | | | Habitat | A | В | C | D | E | 51 |
| 32 | Mail For Maria X | F | - | | River | | | | 1 | | _ |
| | m lo Vi | | _ | | Pond | | - | | | - | - |
| | The hand to | Site Phot | ographs | | Corridor | 2 | V | 1 | 1 | | - |
| | and the second | Camera | Rant | 5 | Cave | X | A | 1 | X | | - |
| | H-HA R | Photo Lo | g: 14,16 | IC.IP | Mine | 1 | | 1 | | | - |
| | J horeer | | 0 | | Forest | | | 1 | 1 | | |
| 345 | man an | ~ | | | Gap | | | | - L. | | |
| | | | | | Other | - | | | | | |
| | 1 million | | | | 1.1.1.1.1.1 | | | | 1.0.1.1 | | |
| - 1 | - Pele | | | | | | 1 | 100 | 1000 | | 10 |
| | Roost habitat: 1. Poor: No or few snags >= 5" DB | H with sloughing b | ark or other | characteristic) usable roost feat | tures (cracks, | crevices, | etc) | | | | ŝ |
| 3 3 2 | <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DB <u>Moderate</u>: Snags with sloughing bark or other ro <u>Water Resources</u>: 1. Poor: bat drinking resources <u>Moderate</u>: Ephemeral or intermittent streams or openings or canopy gaps allow bats easy access to <u>Optimal</u>: Streams or ponds (including road ruts available. <u>Forest Structure</u>: (if hardwoods are absent or near <u>Poor</u>: Habitat even aged and young. Trees smal <u>Moderate</u>: some diversity in age of trees in the s may be present but rare. <u>Optimal</u>: Mature forest. Diverse age classes of t gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer surroundi <u>Moremal</u>: Area is largely forest of Wood at the set of t | H with sloughing b oost features present ost features present not present at the ponded areas present the resource. present that appear ly absent or if stand- ler than 5 inch DBF tand. Trees 5 to 15 rees present. Trees ng site predominant odlots and wooded | ark or other ark or other to 5-15 inch D >15 inch D ite. ent but too c r to offer dr is monocu . Understo: inches prese > 15 inch D thy un-fores | characteristic) usable roost feat DBH within 1000 BH within 1000 fe luttered to allow inking resource t ture, area autom ty growth clutter int. Understory c BH frequent. Van ted. Few mature | tures (cracks, feet of forested many bats to hroughout th attically qualitied and restric clutter domination rying tree height trees present on to adjacent | crevices, ed areas. l areas. o drink ea e majorit fies as a 1 fies as a 1 fies dying, ant but no ght and t not conn forested | etc) sily or simu y of the sur : poor). /foraging ot ubiquitou reefalls allo ected to oth areas. | ultaneous nmer. Fly us. Trees ow for free ner areas o | ly. No co yways to greater t quent sma of trees. | orridors, resources han 15″ E all openir | s are DBH ngs a |
| 3 3 2 1 | <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DB 2. Moderate: Snags with sloughing bark or other ro <u>Water Resources</u>: 1. Poor: bat drinking resources 2. Moderate: Ephemeral or intermittent streams or openings or canopy gaps allow bats easy access to 3. Optimal: Streams or ponds (including road ruts available. <u>Forest Structure</u>: (if hardwoods are absent or near 1. Poor: Habitat even aged and young. Trees smal 2. Moderate: some diversity in age of trees in the s may be present but rare. 3. Optimal: Mature forest. Diverse age classes of t gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer surroundi 2. Morginal: Trees present in the form of small wo 3. Optimal: Area is largely forested. Wooded star | H with sloughing to oost features present ost features present not present at the ponded areas present the resource. I present that appear present that appear ly absent or if stand ler than 5 inch DBF tand. Trees 5 to 15 rees present. Trees ng site predominant podlots and wooded ds are connected to | ark or other ark or other ark or other t 5-15 inch D >15 inch D ite. ent but too c r to offer dr l is monocu . Understo: inches prese > 15 inch D tly un-fores fence rows other wood | characteristic) usable roost feat DBH within 1000 BH within 1000 fe luttered to allow inking resource t lture, area autom ry growth clutter ent. Understory c BH frequent. Van ted. Few mature Little connectio led stands via wo | tures (cracks,) feet of forested many bats to hroughout th attically quali- ed and restric clutter domin- rying tree hei- trees present on to adjacent boded stream, Please return | crevices, ed areas. l areas. e drink ea e majorit fies as a 1 ts flying, ant but no ght and t not conn forested , fence ro n to: | etc) sily or simu y of the sur : poor). /foraging ot ubiquitou reefalls allo ected to oth areas. w, or other | ultaneous nmer. Fly us. Trees ow for free ner areas o wooded o | ly. No co yways to greater t quent sma of trees. corridor. | orridors, resources han 15″ E all openir | s are DBH ngs a |
| 3 3 2 11 | <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DB 2. Moderate: Snags with sloughing bark or other ro <u>Water Resources</u>: 1. Poor: bat drinking resources 2. Moderate: Ephemeral or intermittent streams or openings or canopy gaps allow bats easy access to 3. Optimal: Streams or ponds (including road ruts available. <u>Forest Structure</u>: (if hardwoods are absent or near 1. Poor: Habitat even aged and young. Trees smal 2. Moderate: some diversity in age of trees in the s may be present but rare. 3. Optimal: Mature forest. Diverse age classes of t gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer surroundi 2. Marginal: Trees present in the form of small wo 3. Optimal: Area is largely forested. Wooded star | H with sloughing b oost features present ost features present not present at the ponded areas present the resource. present that appear ly absent or if stand- ler than 5 inch DBF tand. Trees 5 to 15 rees present. Trees ng site predominant odlots and wooded ds are connected to | ark or other ark or other to 5-15 inch D >15 inch D ite. ent but too c r to offer dr is monocu . Understo: inches prese > 15 inch D tly un-fores other wood | characteristic) usable roost feat DBH within 1000 BH within 1000 fe luttered to allow inking resource t ture, area autom ry growth clutter ont. Understory c BH frequent. Van ted. Few mature Little connectio led stands via wo | tures (cracks, feet of forested many bats to throughout th attically qualified and restric clutter domina- rying tree height trees present or to adjacent boded stream Please return P.O. Box 73, | crevices, ed areas. l areas. o drink ea e majorit fies as a 1 cts flying, ant but no ght and t not conn forested , fence ro n to: Paint Licl | etc) sily or sime y of the sur : poor). /foraging ot ubiquitor reefalls allo ected to oth areas. w, or other k, KY. 4046 | ultaneous nmer. Fly us. Trees ow for free ner areas o wooded o 1 | ly. No co yways to greater t quent sm of trees. corridor. | orridors, resources han 15″ E all openir | s are DBH ngs a |

OHIO BAT BANDING DATA FORM

Principle Investigator(s) Rain Storm

Location (lat/longs in D:M:S format) 41.16711 - 82.884334

County ______ Site Description 10000000 here off NC19______ Survey dates _______ Total mist net nights 8051121

| Band Number | N/R? | Date of Capture | Time of Capture | Habitat | Species | Arm Banded | Sex | Age | Repro- ductive Status | Weight (g) | Forearm Length |
|----------------|------|--------------------|-----------------------|---------|---------|---------------|-----|-----|-----------------------------|---------------|-------------------|
| 17172 | N | 7/27 | 11:25 | forest | MYSE | right | M | ,t | NR | 7.0 | Blomin |
| | | | | | | | | | | | - |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | - |
| | | | | | | | | | | | |
| () | | | | | 1 | | | | | | |

N/R?: N = new capture, unbanded when captured, R = recapture, already banded when captured; **HABITAT** (at capture site): C = creek/riparian, B = bottomland forest, U = upland forest, P = pond, O = other (note type in margin); **ARM BANDED**: L = left, R = right (typically males are banded on the right forearm and females on the left); **SEX:** M = male, F = female; **AGE:** A = adult, J = juvenile, U = unknown; **REPRODUCTIVE CONDITION:** S = scrotal, P = pregnant, L = lactating, PL = post lactating, NR = nonreproductive, U = unknown

| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phase | e 60% | 1.10.011 | (V | Vax / Wa |
|---|------|-------------------|-----------|--------|-------|---------------------------------------|-------------------|----------------------|-----------------|-----------|-----------|---------------------------------------|------------|---|--------------|-------------|----------|----------|
| 1 | 2340 | EPFU | A | M | NR | 120 | 45 | A | 15 | 6 | | | _ | 1 | - | Rise | - | Set |
| 2 | 0015 | EPFU | A | M | NR | 16.25 | 45 | C | Dis | D | - | - | - | Sun | | 06: | 20 | 205 |
| 3 | 0110 | LABO | J | F | NR | 10.5 | 40 | G | 3.5 | 0 | - | | - | Moon | | 162 | 8 | 020 |
| 4 | | | | | 1000 | 1 | | - | 2.1 | - | 1 | | - | | - | | | |
| 5 | | | | | | | | 1 | | | | | I | Times | Tama (E) | Cl | INC. | N. D. |
| 6 | | | 1.00 | 10.2 | | l | | $M = \mathbb{R}^{2}$ | 1 | | | Part and the | | Time | Temp (F) | эку | wind | No. Ba |
| 7 | | | | | | | | | | Le | | | | 2100 | 68.9 | 2 | 0 | 0 |
| 8 | | | | | 1 | | | | $\lambda = 1.1$ | 100 T 100 | 1 | _ | | 2209 | 105.1 | .3 | 1 | D |
| 9 | | | | 1.1 | | | | | 1 | | | | | 2307 | 66.4 | 2 | 1 | TTTT T |
| 0 | | | | | | | | | 1 | | 1 | | | 0.007 | 646 | 3 | 0 | |
| 1 | s | | | | | | | | 9 | | | | | 0140 | 62.8 | 2 | | - |
| 2 | | | | | | 1 | | | | | - | | 1.1.1.1 | a factor sales | 12114 | | 1 | |
| 3 | | the second second | | | | 1.000 | | | | | | | | 1 | | | 1.00 | |
| 4 | _ | | 1 - 1 - 1 | | | 1 | | | | | | | | 1 | 1 | | (Second | |
| 5 | | | | | | 1 | | | 1 | | | | | 100 million 100 | | | | |
| 6 | | A | 100 | | | | 1 | | 1 | | | | | 1.5.3 | | Sky Code | | |
| 7 | 1 | - | 12.00 |) — J. | | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · | - | | | - | | | 0 | Clear | | | |
| 8 | | C | · | · · · | | 1 | 1 | | | | | | 1 | 1 | Few Cloud | ls | | |
| 9 | - | | 1 | | | | 1.7 | | 1.1 | | | 6 | | 2 | Partly Clou | ıdy | | |
| 0 | | | | | | | | | - Inc | | | 9 | | 3 | Cloudy or | overcast | | |
| 1 | | | 10.00 | | - | - | 2 | _ | | | | 1 | | 4 | Fog or smo | oke | | |
| 2 | - | | 12.20 | | · | | | | | - | - 18 A | · · · · · · · · · · · · · · · · · · · | | 5 | Drizzle or | light rain | | |
| 3 | | | | 1 | | r - 1. | | _ | | | | | - | 6 | Heavy rair | n - thunder | storm | |
| 4 | | | | - | | | 1-0-1 | _ | | | | | | - | 1.1 | | | |
| 5 | _ | | 1.000 | | - | | | | $1 = -\lambda$ | | | | 1.1.1 | 1 | Beau | fort Wind | Scale | |
| 7 | - | | - | | | | _ | | | | | 1 | Provide La | 0 | Calm: <1 n | nph | | |
| - | - | | - | - | | | 1 | - | | - | 1.1.1.1 | _ |) | 1 | Light air: 1 | -3 mph | | |
| 0 | - | | | | | 1 | | | - | | | | 1 | 2 | Light breez | e: 4-6 mpl | 1 | |
| 2 | | | - | - | | | | | - | | | | | 3 | Gentle bree | eze: 7-10 n | iph | |
| 1 | | | | | | | | | | | 1,000,000 | | | 4 | Moderate b | preeze: 11- | 16 mph | |

| ite N ite L | lo ocation_ | Stream | Project | No./N | lame | 412 of (| cra A | PEX F | Emel | son (| 97 | o. | Date | 31 Jul | y 2015 | 2 | E | 2 |
|----------------|----------------|--------------|-----------|--------|--------|-------------|-------------------|----------|-----------------------|---------|---------------------------------------|---------------------------------------|-------------------|---------------------|----------------|--------------|----------|-----------|
| oun at/I | on ; UTN | A: N/E_4/. | 11 58 | State_ | _W/N_ | - 8: | 11me Up 2 . 84 | 3 74 | Zone | ne Dowi | Datum_ | JAD 83 | Observe | rs K. Pea Alex F | nan Podoler | - c c | PPEF | HEAD |
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phase | e97 % | | (| Vax / Wan |
| 1 | 2135 | EPFU | 1 | F | NR | 12.25 | 46 | B | 5 | 0 | | - | - | | | Rise | | Set |
| 2 | 2218 | EPFV | A | F | PL | 20.0 | 50 | B | 6 | 0 | 1 | - | | Sun | | 062 | 5 | 1050 |
| 3 | 2245 | EPFV | A | F | PL | 21.0 | 49 | B | 6 | 0 | - | | - | Moon | | 20 | 50 | 0642 |
| 4 | 0155 | LABO | T | Ŧ | NR | 1075 | 41 | В | 6 | 0 | - | | - | | | | <u></u> | |
| 5 | | | | | 1 | | | | | | | | | Time | Temp (F) | Sky | Wind | No. Bats |
| 7 | 1 | | 1 | 1 | 1 | | 1 | | 1.00 | | 1 | | | 2100 | 74.1 | 0 | 1 | - |
| 8 | | | · · · · · | 1 | 1 | 1 | S | | | | 1 | 1 | 1 m | 12200 | 69.6 | 0 | | 1 |
| 9 | | | 1 | | 1 | | | - | | - | | | | .2300 | 65,4 | | 1 | 2 |
| 10 | | | () I | 1.11 | 1 | | | | 1 | 1 | 0122.0 | 1 | 1.0 | -0000 | 03.7 | 2 | 1 | 0 |
| 11 | 10 A | - | | | 1 | | | 1.11 | | | 2 m | | | 0010 | 60.6 | 1 | D | Ó |
| 12 | () | | 1 | | 0.000 | | | | | | | - | | 0100 | 592 | 1 | 0 | 0 |
| 13 | | | | | 1.5 | | | | | | | | · · · · · · · · · | 01300 | | 1.1 | 1.000 | |
| 14 | | | | | 10.11 | 1000 | | | 10000 | | | | | 1 | 1.000 | 1 | 1.000 | |
| 15 | 1 | | | | | | P | (Trail | | | | | | 2 | | 2.45.0 | | |
| 16 | | | | 9 L | 1200 | | (T | | | | | | 1.000 | | | Sky Code | 6 | |
| 17 | | | | c = 1 | | | | | | | | | | 0 | Clear | | | |
| 18 | | 1.0 | | 1 | 1.00 | | | | | | · | · · · · · · · · · · · · · · · · · · · | | 1 | Few Cloud | ls | | |
| 19 | | | | | | 1.1 | 1.1 | | 10.00 | | | 1 | - | 2 | Partly Clou | udy | | |
| 20 | | | | | | | | | | | | | | 3 | Cloudy or | overcast | 12.2 | |
| 21 | - | | | | | | | | 1. | | 1 | | | 4 | Fog or smo | oke | | |
| 22 | | | L | | | | (| 1.5 | $\epsilon = \epsilon$ | A | 1 | | 1 | 5 | Drizzle or | light rain | | |
| 23 | | | | - | | _ | | | 12-21 | | | | i | 6 | Heavy rair | n - thunde | er storm | |
| 24 | () () () | | | | | 1 | | | | 1 | | | 1 | | | | | |
| 25 | | | | | | | 1 | - 1 | | 1 | | | 1.000 | | Beau | fort Wine | d Scale | |
| 26 | | | | | - | - | | | | | - | | 1 | 0 | Calm: <1 n | nph | | |
| 27 | | P | | | | · | | | | | | | ÷ | 1 | Light air: 1 | -3 mph | | |
| 28 | | | | | | - | | 1.1.1 | | 1 | | | | 2 | Light breez | ze: 4-6 mp | oh | |
| 29 | | | | - | | 1 | | 1.14 | | · · · · | · · · · · · · · · · · · · · · · · · · | | | 3 | Gentle bree | eze: 7-10 | mph | |
| 30 | | | | | | | S | 1 | | | | 1 | | 4 | Moderate b | oreeze: 11 | -16 mph | - |
| cou | stic Surv | ey: Unit typ | e | - | Unit # | | Date | _ | Start tim | ne | - | Stop time | | | | | | |
| | | | _ | | | | Date | - | Start tin | ne | | Stop time | | Please Re | turn to: | | | |
| | | | | - | | / | Date | | Start tim | ne | | Stop time_ | | P.O. Box 7 | 3, Paint L | ick, KY | , 40461. | |

| Lat/Lon; UTM: N/E_4]. | 11582 W/N | | -1.2. | | Zone | - | Observers_ | N FEA | P I Main | -F- | 01-1 - | a 0.627 | |
|--|---|--|---|--|---|---|---|---|--|---|--|---|-------------------------|
| Datum: NAD 93 C | ounty <u>Serveca</u> | State_(| DH | Quad_ | Cente | rton | | 1.2 | 1 | | | | _ |
| Site Diagram: | | | | Height | Length | D 1 | | ALL | Domin | nant Veg | getation | - | _ |
| LAD THE | r ka m | | Net | (m) | (m) | Dates | 1. Koper | to a | Lan | 4. 100 | y sec | Char | 2.00 |
| 11 | (lad | 0.5 | B | 50 | a | 3144 | 3. Quevi | LIS DA | liches | 6. | | | |
| 2 10 | HE FORECTED | × 11 | C | 7.8 | 12 | 31 Tulo | | - 10 | | | | | |
| X | 1 40 | Far | D | 5,2 | 9 | 3 Tula | 1 | | Net S | Set by H | abitat | | |
| . 11 | P | - | E | | | 0 | Habitat | A | В | C | D | E | F |
| A. Martin | | I. | F | - | 1 | | River | | | - | | | - |
| | Tul To | 10 | - | | | | Pond | | | | | 1 | |
| | Torrestart | | Site | Photog | aphs | 0 | Corridor | ~ | 1 | ~ | ~ | | |
| 1 | | M | Can | nera: | KK | F | Cave | | | | · · · · · · · · · · · · · · · · · · · | | |
| Lell | ATTI | | Pho | to Log:_ | | | Mine | | - | | | * | |
| No | Algricia | | | | | | Forest | | | 1.1 | | 1.2.1 | |
| T-2 | 2 | | - | | | | Other | 1 | | - | | | |
| | | | | | | | o ulo, | | 1.1 | 1000 | | | |
| | | | | | | | | | | · · · · · · | | · · · · | |
| Roost habitat: 1. | Poor: No or few snags > | = 5" DBH with | sloug | hing har | | | | | | | | | |
| 2. Moderate: Snag 3. Optimal: Snags Water Resources: 2. Moderate: Ephe openings or canop 3. Optimal: Streat available. Porest Structure: 1. Poor: Habitat et 2. Moderate: som may be present bt 3. Optimal: Matu gaps that facilitate 2 2 2 3. Optimal: Matu gaps that facilitate 2 2 3. Optimal: Matu 3. Optimal: Tree 3. Optimal: Area | gs with sloughing bark or s with sloughing bark or a 1. Poor : bat drinking re emeral or intermittent str py gaps allow bats easy a ms or ponds (including re (if hardwoods are absen ven aged and young. Tre e diversity in age of trees ut rare. re forest. Diverse age cla e bat foraging. oor : Square kilometer su es present in the form of s is largely forested. Woo | other roost feat other roost feat sources not pre- eams or pondec ccess to the resc oad ruts) presen t or nearly abser- es smaller than in the stand. T sses of trees pre- prounding site p- mall woodlots a ded stands are | tures p ares pares | present 5 resent >1 at the site s present appear to f stand is h DBH. 1 to 15 inc Trees > 1 minantly cooded fe | k or other -15 inch l 5 inch Dl but too c o offer dr monocu Understo thes prese 15 inch D un-fores ence rows | usable roost fea DBH within 1000 3H within 1000 f luttered to allow inking resource lture, area auton ry growth clutter ent. Understory BH frequent. Va ted. Few mature Little connection ded stands via wi | tures (cracks,) feet of forester eet of forester many bats to throughout the natically qual- red and restri- clutter domir rying tree he trees presen on to adjacent | crevices, e red areas. d areas. o drink eas ne majority ifies as a 1: cts flying/ iant but no ight and tr t not conne t forested a forested a | etc) illy or simu of the sur poor). foraging t ubiquito eefalls allo ected to other w or other | ultaneous mmer. Fly us. Trees ow for free her areas | ly. No co yways to greater tl quent sma of trees. | orridors, resources han 15″ E all openir | are DBH ngs and |
| 2. Moderate: Snag 3. Optimal: Snags Water Resources: 2. Moderate: Ephe openings or canop 3. Optimal: Stream available. Forest Structure: 1. Poor: Habitat et 2. Moderate: som may be present bu 3. Optimal: Matu gaps that facilitate 2. Marginal: Tree 3. Optimal: Area | gs with sloughing bark or s with sloughing bark or a 1. Poor : bat drinking re emeral or intermittent str py gaps allow bats easy a ms or ponds (including re (if hardwoods are absen ven aged and young. Tre e diversity in age of trees ut rare. re forest. Diverse age cla e bat foraging. oor : Square kilometer su as present in the form of s is largely forested. Woo | other roost feat other roost feat esources not pre- eams or pondec ccess to the resc oad ruts) presen t or nearly abser- es smaller than in the stand. T sses of trees pre- rrounding site p mall woodlots a ded stands are o | tures p ares pre- sent a d areas ource. t that nt or if 5 incl rees 5 esent. oredor and w connec | present 5 resent >1 at the site s present appear to f stand is h DBH. 1 to 15 inc Trees > 1 minantly cooded fe cted to of | k or other -15 inch 1 5 inch D - - - - - - - - - - - - - | usable roost fea DBH within 1000 BH within 1000 f luttered to allow inking resource lture, area auton ry growth clutter ent. Understory BH frequent. Va ted. Few mature . Little connection ded stands via w | tures (cracks,) feet of foreste eet of forested r many bats to throughout th natically qual red and restri clutter domir rying tree he trees presen on to adjacen ooded strean | crevices, e ed areas. d areas. o drink eas ne majority ifies as a 1: cts flying/ iant but no ight and tr t not conne t not conne t forested a n, fence rov | etc) of the sur poor). foraging t ubiquito eefalls allo ected to other v, or other | ultaneous mmer. Fly us. Trees ow for free her areas | ly. No co yways to greater tl quent sma of trees. corridor. | orridors, resources han 15″ E all openir | s are DBH ngs and |
| 2. Moderate: Snag 3. Optimal: Snags Water Resources: 2. Moderate: Ephe openings or canop 3. Optimal: Streat available. 2 Forest Structure: 1. Poor: Habitat et 2. Moderate: som may be present bt 3. Optimal: Matur gaps that facilitate 2 Marginal: Trees 3. Optimal: Area | gs with sloughing bark or s with sloughing bark or s with sloughing bark or emeral or intermittent str py gaps allow bats easy a ms or ponds (including ra- (if hardwoods are absen ven aged and young. Tre e diversity in age of trees ut rare. re forest. Diverse age cla e bat foraging. oor : Square kilometer su es present in the form of s is largely forested. Woo <u>e</u> (Should be between 4 & | other roost feat other roost feat isources not pre- eams or pondec ccess to the resc oad ruts) presen t or nearly abser es smaller than in the stand. T sses of trees pre- prounding site p mall woodlots a ded stands are o 12) | tures p ares pares areas ource. It that ant or if 5 incl rees 5 esent. oredor and w connec | present 5 resent >1 at the site s present appear to f stand is h DBH. 1 to 15 inc Trees > 1 minantly cooded fe cted to of | k or other -15 inch l 5 inch Dl but too c o offer dr monocu Understo thes prese 15 inch D un-fores ence rows ther wood | usable roost fea DBH within 1000 3H within 1000 f luttered to allow inking resource lture, area autom ry growth clutter ent. Understory BH frequent. Va ted. Few mature . Little connection ded stands via w | tures (cracks,) feet of forester eet of forester many bats to throughout the natically quali- red and restri- clutter domir rying tree he trees presen on to adjacen- ooded stream Please retur | crevices, e red areas. d areas. o drink eas ne majority ifies as a 1: cts flying/ iant but no ight and tr t not conne t forested a n, fence rov n to: | etc) illy or simu of the sur poor). foraging t ubiquito eefalls allo ected to oth reas. v, or other | ultaneous mmer. Fly us. Trees ow for free her areas wooded | ly. No co yways to greater th quent sma of trees. corridor. | orridors, resources han 15″ E all openir | s are DBH ngs and |
| 2. Moderate: Snag 3. Optimal: Snags Water Resources: 2. Moderate: Ephe openings or canop 3. Optimal: Stream available. Forest Structure: 1. Poor: Habitat et 2. Moderate: som may be present bu 3. Optimal: Matu gaps that facilitate 2. Marginal: Tree 3. Optimal: Area 7 Total Habitat Score Comments: | gs with sloughing bark or s with sloughing bark or a 1. Poor : bat drinking re- emeral or intermittent str py gaps allow bats easy a ms or ponds (including re- (if hardwoods are absen ven aged and young. Tre- te diversity in age of trees ut rare. re forest. Diverse age cla e bat foraging. oor : Square kilometer su as present in the form of s is largely forested. Woo g (Should be between 4 & | other roost feat other roost feat isources not pre- eams or pondec ccess to the resc oad ruts) presen t or nearly abser- tes smaller than in the stand. T sses of trees pre- rrounding site p mall woodlots a ded stands are of 12) | tures p ares pre- sent a d areas ource. t that nt or if 5 incl rees 5 esent. oredor and w connec | present 5 resent >1 at the site s present appear to f stand is h DBH. 1 to 15 inc Trees > 1 minantly cooded fe cted to of | k or other -15 inch 1 5 inch D 5 inch D 5 inch D 6 offer dr a monocu Understo thes prese 15 inch D un-fores ence rows ther wood | usable roost fea DBH within 1000 BH within 1000 f luttered to allow inking resource lture, area auton ry growth clutter ent. Understory BH frequent. Va ted. Few mature Little connection ded stands via w | tures (cracks,) feet of forester eet of forester r many bats to throughout the natically quali- red and restri- clutter domir rying tree he trees presen on to adjacen- ooded stream Please retur P.O. Box 73, | crevices, e ed areas. d areas. o drink eas ne majority ifies as a 1: cts flying/ iant but no ight and tr t not conne t forested a n, fence rov n to: Paint Lick | ily or sime of the sur poor). foraging t ubiquito eefalls allc ected to other reas. v, or other | ultaneous mmer. Fly us. Trees ow for free her areas wooded | ly. No co yways to greater th quent sma of trees. corridor. | orridors, resources han 15" E all openir | are DBH ngs and |

+

| Lat/Lon, UTM: N/E 41-1/582 (W/N -82.84374 Zo | one — | | Observers | Kite | armar | A.T. | Austo | re | |
|---|---|---|---|---|--|---|--|---|------------------------|
| Datum: MADB3 County Serveca State OH Quad (| entert | on | | | | 1.4.2 | | | |
| ite Diagram: 1 9 C C 9 9 C 11 Height Le | ength | | I the states | L. La | Domir | nant Veg | etation | 1 | - 1.1 |
| Net (m) (| (m) I | Dates | 1. Pope | ilus de | Golder | 4. Ac | er J | accura | ner |
| - pared road UNUM CROT A 5.2 | 4 26 | July | 2. Gledi | tsia tr | iacantha | £5 | | _ | |
| N 5 10 1 (A 5 B 7.8 / | 2 | | 3. Quer | and the | lustris | _6 | | | |
| N W P W B MATTIN C 5.2 | 9 | | | the second | N | | 1.20.0 | - | _ |
| Ac field of B. M. B. T.S. D. S.A. | 9 1 | - | Ushitat | | Ner S | Set by H | abitat | E | E |
| TOIL ELAN COL | | _ | Dimon | A | D | L. | D | £ | г |
| | | | Stream | 1 | 1 | | - | | - |
| | | | Pond | | - | | | | - |
| The grant in the share Site Photograph | hs | | Corridor | | | V | V | - | - |
| Camera: Kel | seys | | Cave | · · · · · | | | | | 1 |
| 1 Som Photo Log | + ' | | Mine | 1 | 1 | [] | 12271 | 61 <u></u> | i — |
| The hand of (D) | | _ | Forest | <u> </u> | 1 | | | | |
| KN MODERAL THE HAL | | _ | Gap | - | V | | | is | |
| tree cover forest | | | Other | 1000 | | l l ed | | | |
| tallgrass cover Stullett the | | | | | | 1.1 | | | |
| T Thoward grass | | | | | | | | | |
| 11 m | | | | - | | L | h | | |
| diana Bat Habitat Characterization (Choose appropriate score for each ha | bitat chara | cteristic) | | | | | | * | - |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat:</u> 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present 5.15 | bitat chara other usable | cteristic) | ll htures (cracks, | , crevices, | etc) | 777 | | * | |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present 5-15 in 3. Optimal: Snags with sloughing bark or other roost features present >15 in | bitat chara other usable inch DBH w inch DBH wit | roost fea ithin 1000 | ll itures (cracks, 0 feet of forest feet of foreste | , crevices, ted areas. d areas. | etc) | | | * | |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u> : 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present 5-15 3. Optimal: Snags with sloughing bark or other roost features present >15 in Water Resources: 1. Poor: bat drinking resources not present at the site. | bitat chara other usable inch DBH w ich DBH wit | cteristic) roost fea ithin 1000 hin 1000 f | utures (cracks, 0 feet of fores feet of foreste | , crevices, ted areas. d areas. | etc) | | | | |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present 5-15 3. Optimal: Snags with sloughing bark or other roost features present >15 in <u>Water Resources</u>: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but | bitat chara other usable inch DBH w inch DBH wit t too cluttere | cteristic) roost fea ithin 1000 hin 1000 f | II otures (cracks, 0 feet of fores feet of foreste v many bats to | , crevices, ted areas. d areas. o drink ea | etc) sily or simu | iltaneousl | y. No co | orridors, | |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present >15 in 3. Optimal: Snags with sloughing bark or other roost features present >15 in <u>Water Resources</u>: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but openings or canopy gaps allow bats easy access to the resource. | bitat chara other usable inch DBH w nch DBH wit t too cluttere | cteristic) roost fea ithin 1000 hin 1000 f d to allow | Il atures (cracks, 0 feet of fores feet of foreste v many bats to | , crevices, ted areas. d areas. o drink ea | etc) sily or simu | ıltaneousl | y, No co | rridors, | |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present 5-15 3. Optimal: Snags with sloughing bark or other roost features present >15 in <u>Water Resources</u>: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to off available | bitat chara other usable inch DBH w hch DBH wit t too cluttere fer drinking | cteristic) roost fea ithin 1000 hin 1000 f d to allow resource | itures (cracks, 0 feet of fores feet of foreste v many bats to throughout th | , crevices, ted areas. d areas. o drink ea he majorit | etc) sily or simu y of the sun | ultaneousl nmer. Fly | y. No co ways to | orridors, resources | are |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present 5-15 3. Optimal: Snags with sloughing bark or other roost features present >15 in <u>Water Resources</u>: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to off available. Forest Structure: (if hardwoods are absent or nearly absent or if stand is mo | bitat chara other usable inch DBH w nch DBH wit t too cluttere fer drinking | cteristic) e roost fea ithin 1000 hin 1000 f d to allow resource | II otures (cracks, 0 feet of fores feet of foreste v many bats to throughout the patically qual | , crevices, ted areas. d areas. o drink ea he majorit | etc) sily or simu y of the sun | ıltaneousl nmer. Fly | y, No co rways to | rridors, resources | are |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present 5-15 3. Optimal: Snags with sloughing bark or other roost features present >15 in <u>Water Resources</u>: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to off available. Forest Structure: (if hardwoods are absent or nearly absent or if stand is mo 1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Und | bitat chara other usable inch DBH wit nch DBH wit t too cluttere fer drinking pnoculture, a lerstory grov | cteristic) roost fea ithin 1000 hin 1000 f d to allow resource rea auton yth clutter | I otures (cracks, D feet of forest feet of foreste w many bats to throughout th natically qual red and restri | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 icts flying | etc) sily or simu y of the sun : poor). /foraging | ultaneousl nmer. Fly | y. No co ways to | orridors, resources | are |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present >15 in Water Resources: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to off available. Forest Structure: (if hardwoods are absent or nearly absent or if stand is mo 1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Und Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches | bitat chara other usable inch DBH with the DBH with the constant fer drinking proculture, a lerstory grow present. Ur | cteristic) e roost fea ithin 1000 hin 1000 f d to allow resource rea auton vth clutter derstory | Il atures (cracks, 0 feet of fores feet of foreste v many bats to throughout th natically qual red and restri clutter domir | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 icts flying, nant but n | etc) sily or simu y of the sum poor). / foraging ot ubiquitor | ultaneousl nmer. Fly us. Trees | y, No co ways to greater tl | orridors, resources han 15″ E | are OBH |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present 5-15 3. Optimal: Snags with sloughing bark or other roost features present >15 in <u>Water Resources</u>: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to off available. Forest Structure: (if hardwoods are absent or nearly absent or if stand is mo 1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Und Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches may be present but rare. | bitat chara other usable inch DBH wit too cluttere fer drinking pnoculture, a lerstory grov present. Ur | cteristic) e roost fea ithin 1000 hin 1000 f d to allow resource rea auton vth clutten derstory | Il ntures (cracks, 0 feet of forest feet of forester w many bats to throughout th natically qual red and restri clutter domir | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 icts flying, hant but n | etc) sily or simu y of the sun : poor). / foraging ot ubiquitor | altaneousl nmer. Fly us. Trees | y, No co ways to greater tl | nrridors, resources han 15″ E | are OBH |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present >15 in <u>Water Resources</u>: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to off available. Forest Structure: (if hardwoods are absent or nearly absent or if stand is mo 1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Und Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present. Trees > 15 in mare that facilitate bat forming. | bitat chara other usable inch DBH with the DBH with too cluttere fer drinking phoculture, a lerstory grow present. Ur nch DBH free | cteristic) e roost fea ithin 1000 hin 1000 f d to allow resource rea auton wth clutter derstory quent. Va | Il atures (cracks, 0 feet of forest feet of foreste v many bats to throughout th natically qual red and restri clutter domir | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 icts flying, nant but n | etc) sily or simu y of the sun poor). /foraging ot ubiquitou reefalls allo | ultaneousl nmer. Fly us. Trees w for free | y, No co ways to greater th juent sma | orridors, resources han 15″ E all openir | s are DBH ngs ar |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present >15 in <u>Water Resources</u>: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to off available. Forest Structure: (if hardwoods are absent or nearly absent or if stand is mo 1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Und 2. Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present. Trees > 15 in gaps that facilitate bat foraging. | bitat chara other usable inch DBH wit inch DBH wit t too cluttere ifer drinking proculture, a lerstory grov present. Ur nch DBH free | cteristic) e roost fea ithin 1000 f d to allow resource rea auton vth clutter derstory quent. Va | II otures (cracks, 0 feet of fores feet of foreste v many bats to throughout th natically qual red and restri clutter domir arying tree he | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 icts flying, hant but n ight and t | etc) sily or simu y of the sun : poor). /foraging ot ubiquitou reefalls allo | ultaneousl nmer. Fly us. Trees w for free | y. No co ways to greater th quent sma | nrridors, resources han 15" E all openir | s are DBH ngs ar |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present >15 in <u>Water Resources</u>: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to off available. Forest Structure: (if hardwoods are absent or nearly absent or if stand is mo 1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Und Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present. Trees > 15 in gaps that facilitate bat foraging. Land Cover: 1. Poor: Square kilometer surrounding site predominantly un- 2. Mareinal: Trees present in the form of small woodlots and wooded force | bitat chara other usable inch DBH with the DBH with too cluttere fer drinking proculture, a lerstory grow present. Ur and DBH free forested. Fe | cteristic) roost fea ithin 1000 f d to allow resource rea auton vth clutter derstory quent. Va w mature connection | tures (cracks, 0 feet of fores feet of fores w many bats to throughout th natically qual red and restri clutter domir arying tree he e trees presen | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 icts flying, hant but n right and t t not conn t forested | etc) sily or simu y of the sum : poor). /foraging ot ubiquitou reefalls allo | ultaneousl nmer. Fly us. Trees w for freq ner areas c | y, No co ways to greater th juent sma of trees. | nrridors, resources han 15″ E all openir | ; are DBH ngs ar |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present 5-15 3. Optimal: Snags with sloughing bark or other roost features present >15 in <u>Water Resources</u>: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to off available. Forest Structure: (if hardwoods are absent or nearly absent or if stand is mo 1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Und Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present. Trees > 15 in gaps that facilitate bat foraging. Land Cover: 1. Poor: Square kilometer surrounding site predominantly un- 2. Marginal: Trees present in the form of small woodlots and wooded fence 3. Optimal: Area is largely forested. Wooded stands are connected to other | bitat chara other usable inch DBH with the DBH with too cluttere fer drinking phoculture, a lerstory grow present. Ur hech DBH free forested. Fe rows. Little wooded sta | cteristic) e roost fea ithin 1000 f d to allow resource rea autom vth clutter derstory quent. Va w mature connection | Itures (cracks, 0 feet of forest feet of forester w many bats to throughout th natically qual red and restri clutter domir arying tree he e trees presen on to adjacen cooded strean | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 icts flying, hant but n ight and t t not conn t forested n, fence ro | etc) sily or simu y of the sum foraging ot ubiquitou reefalls allo ected to oth areas. w, or other | altaneousl nmer. Fly us. Trees w for free ner areas c wooded c | y, No co ways to greater th juent sma of trees, corridor. | orridors, resources han 15″ E all openir | s are DBH ngs an |
| diana Bat Habitat Characterization (Choose appropriate score for each ha <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present >15 in <u>Water Resources</u>: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to off available. Forest Structure: (if hardwoods are absent or nearly absent or if stand is mo 1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Und Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present. Trees > 15 in gaps that facilitate bat foraging. Land Cover: 1. Poor: Square kilometer surrounding site predominantly un- 2. Marginal: Trees present in the form of small woodlots and wooded fence 3. Optimal: Area is largely forested. Wooded stands are connected to other | bitat chara other usable inch DBH with the DBH with too cluttere fer drinking phoculture, a lerstory grow present. Ur hech DBH free forested. Fee rows. Little wooded sta | cteristic) e roost fea ithin 1000 f nin 1000 f d to allow resource rea auton wth clutter derstory quent. Va w mature connection nds via w | Itures (cracks, 0 feet of forest feet of foreste w many bats to throughout th natically qual red and restri clutter domir arying tree he e trees presen on to adjacen rooded strean | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 icts flying, nant but n right and t t not conn t forested n, fence ro | etc) sily or simu y of the sun foraging ot ubiquitou reefalls allo rected to oth areas. w, or other | ultaneousl nmer. Fly us. Trees w for free ner areas o wooded o | y. No co ways to greater th quent sma of trees. corridor. | orridors, resources han 15″ E all openir | s are DBH ngs an |
| Adiana Bat Habitat Characterization (Choose appropriate score for each ha Roost habitat: 1. Poor: No or few snags >= 5" DBH with sloughing bark or 2. Moderate: Snags with sloughing bark or other roost features present >15 in Water Resources: 1. Poor: bat drinking resources not present at the site. 2. Moderate: Ephemeral or intermittent streams or ponded areas present but openings or canopy gaps allow bats easy access to the resource. 3. Optimal: Streams or ponds (including road ruts) present that appear to off available. Forest Structure: (if hardwoods are absent or nearly absent or if stand is mo 1. Poor: Habitat even aged and young. Trees smaller than 5 inch DBH. Und 2. Moderate: some diversity in age of trees in the stand. Trees 5 to 15 inches may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present. Trees > 15 in gaps that facilitate bat foraging. 2. Land Cover: 1. Poor: Square kilometer surrounding site predominantly un- 2. Marginal: Trees present in the form of small woodlots and wooded fence 3. Optimal: Area is largely forested. Wooded stands are connected to other | bitat chara other usable inch DBH with the DBH with too cluttere fer drinking proculture, a lerstory grow present. Ur nch DBH free forested. Fee rows. Little wooded sta | cteristic) e roost fea ithin 1000 f d to allow resource rea auton wth clutter derstory quent. Va w mature connection nds via w | Il atures (cracks, 0 feet of forest feet of forester v many bats to throughout th natically qual red and restri clutter domir arying tree he e trees presen on to adjacen rooded stream Please retur | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 icts flying, hant but n tight and t t not conn t forested n, fence ro m to: | etc) sily or simu y of the sum poor). /foraging ot ubiquitou reefalls allo reefalls allo rected to oth areas. w, or other | ultaneousl nmer. Fly us. Trees w for freq ner areas c wooded c | y, No co ways to greater th juent sma of trees, corridor. | orridors, resources han 15" E all openir | ; are DBH ngs an |
| Image: Additional Content of Conten | bitat chara other usable inch DBH with the DBH with too cluttere fer drinking phoculture, a lerstory grow present. Ur hech DBH free forested. Fe rows. Little wooded sta | cteristic) e roost fea ithin 1000 f hin 1000 f d to allow resource rea auton vth clutten derstory quent. Va w mature connection nds via w | Il itures (cracks, 0 feet of forest feet of forester w many bats to throughout the natically qual red and restri- clutter domir arying tree he e trees presen on to adjacen rooded stream Please retur P.O. Box 73, | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 icts flying, hant but n tight and t t not com t forested n, fence ro m to: , Paint Lic | etc) sily or simu y of the sum foraging ot ubiquitou reefalls allo reefalls allo rected to oth areas. w, or other k, KY. 40465 | Iltaneousl nmer. Fly us. Trees w for free ner areas c wooded c | y, No co ways to greater th uent sma of trees, corridor. | nrridors, resources han 15" E all openir | s are DBH ngs an |

Net

| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phase | 90% | 1-200-20 | eneret e | Vax)/ Wa |
|---|------|---------|--------|-------|----------|-------------|---------------------------------------|------|---------------|-------|---------------------------------------|---------------|-------------|------------|---------------|-------------|----------|-----------|
| 1 | 1125 | EPFU | - | M | NR | 12.5 | 44.5 | D | 20 | 0 | | _ | | | 51 | Rise | - | Set |
| 2 | 1125 | FOFU | Ă | F | NR | 18.0 | 47.0 | Ĉ | 5.0 | 0 | - | | | Sun | | (Y023 | | 2053 |
| 3 | 135 | EDEU | A | M | NR | 1515 | 50.5 | 0 | L.O | 0 | | 1 | - | Moon | | 1824 | | 0431 |
| | 0100 | LAZO | A | F | PL | 15.5 | 44.5 | B | 1.0 | 6 | <u> </u> | | | | | 100 | | - 1 - t |
| | 0105 | LABO | T | F | NR | 9.5 | 41.0 | B | 2.0 | 0 | - | _ | | 1.00 | | | | 20.0 |
| | | | | | 7 | 1.1.1 | 1 march 1 | | | | | | | Time | Temp (F) | Sky | Wind | No. Ba |
| 1 | | | 1 | | - 1 - D | - C | | | | | | 10000 C | | 20534 | 81 | 3 | 0 | 3 |
| | | | 1 | | | · · · · · | 1 | | 1000 | | · · · · · · · · · · · · · · · · · · · | | | 21530 | -01 | 3 | Ô | 0 |
| | | | | 1.0 | | S | | 2000 | 1.000 | | | | · · · · · · | 27532 | Ja | 2 | 0 | 0 |
| | | | | | | 1000 | | 1 | 1 1 | | | F | | 2257 | 78 | C. | Ø | A |
| 1 | | | | | 12.2 | E | | 1 | 1 | 5 m | | | | 0053 | 77 | 0 | 0 | 1 |
| 2 | | | 10.000 | | L | 2 | | | • | | | | | 01532 | 75 | 0 | 0 | |
| 3 | | | | | 1-1 | - | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | · · · · · |
| 1 | | | | + | | | | | 1 | | | ÷ | | 1 | · · · · · · · | | h | 11 |
| 5 | | | 2-2=1 | | 1.1 | | | k | | | 0 | | | | | | | |
| 5 | | | | | | | 1 | | | 1 = 1 | | | 1 | | | Sky Code | | |
| 7 | | | 7.001 | | - | | 1 | | 1.000 | | | | 1.1 | 0 | Clear | | | |
| 3 | | 1 ···· | | | 1 | | 12 0 | | 1 | | | | <u>}</u> | 1 | Few Cloud | ls | | |
| | | | | | 1 | | | | 1 | | | | · | 2 | Partly Clou | udy | | |
|) | | | 1000 | | 1 - 1 | | | | | | | | 200 - 1 | 3 | Cloudy or | overcast | | |
| | | | 1.000 | 1.1.1 | | 1 | | | | | | | 1 | 4 | Fog or smo | oke | | |
| 2 | | | 1.000 | | | U | | | | 1.00 | | | 2 - 1 | .5 | Drizzle or | light rain | | |
| 3 | | | | | 1 | | | - | | 1.20 | | | 1 | 6 | Heavy rain | n - thunde | r storm | |
| | | | | 1 | - | <u> </u> | 2 - U | | 1 | a | 1 | ý Lesser II. | 5 | | | 1.11 | | |
| 5 | | | J | 1 | | 1 | | | | | | | 1 | 1-1-1- | Beau | fort Wind | Scale | |
| 2 | | | 1 | - | | 1.777 | | 1.11 | | | - (| h | | 0 | Calm: <1 n | nph | | |
| - | | | | 1.1.1 | 0.5 | 3 | - | 1.1 | | | 2 | 1 | | 1 | Light air: 1 | -3 mph | | |
| | | L | 1 | 1 | 1 | | | | | | | | | 2 | Light bree: | ze: 4-6 mp | h | |
| - | | | | | | | | | | - | | | | 3 | Gentle bree | eze: 7-10 n | nph | |
| | | | | 1.00 | Apress P | 1000 | 1 | | 1 | | 12000 | - | | 4 | Moderate I | preeze: 11- | 16 mph | |

1.45 + 14

| ite Diag | ram: | County | Force | st | | | Height | Length | e av | | | Domi | nant Ve | getation | | |
|---------------------------|---|---|--|--|---|--|---|---|--|--|--|---|---|--|---|---------------------------|
| | ~ | | | 121 | N | Net | (m) | (m) | Dates | 1.Acer | sarchav | um > | 4. Fr | ASCINUS CI | meria | na-dou |
| 1 1 | TT 1 | - | 0 | 0 | | A | 5,2 | 9 | 7-29 | 2. Tilip | aneric | ana | 5 | oper | no ko | Date |
| | 121 | | | | 1 The | В | 5.2 | 18 | 7.29 | 3. Ulmus | rubre | ~ ~ | 6 | 1 not | na | glab |
| and the | AD | 21 | | -121- | - shak | C | 7.8 | le | 7.29 | | | | e | 100 | - Carl | a 1. |
| 11 | Alla | 0.20 | | - 01 | | D | 5,2 | 9 | 7.29 | | | Net | Set by H | labitat | | |
| | VSV | | L' | 42 | | E | | | | Habitat | A | В | C | D | E | F |
| - 1 - I | 1 | | 2400 | | | F | - | 1 · · · · · · · · · · · · · · · · · · · | P | River | | | _ | | | 1 |
| 15 | | Process | (3) | 20 | T | | | | | Stream | | | | | | |
| 11 | 0.00 | | Ø | | | 1.0 | S | 1.000 | | Pond | | | 1.0 | 1 I | | |
| 1.6 | 1 | 94 | 22 | 8 | | Site I | hotogr | aphs | Second and a second sec | Corridor | | | | - | | |
| | 01 | | 21 | 11 | N. | Cam | era: 3 | fires | iphone | Cave | | | 1 | | | |
| | | - KI | | | U.Y | Phot | Log:_ | | 1 | Mine | | | · · · · · · · | | C | 1.1 |
| issial | all. | 1 | | T | ~ | | Ū. | | | Forest | | U.A. | 1.00 | | 10.00 | |
| era | | 1 | 71 | A | | | | | | Gap | | × | X | | | |
| 12 | M. | A. 108. | | | 100 | | | | | Other | Fridst | | | 1.5 | | |
| | | 9 931 | | 11.2 | | | | | | | obae/ | | | Forest | | 1. II |
| 1. 1. | | ial a | | 1 | | | | | | | Gult | | | 1.00 | | 1 1 |
| idiana I 3 1 3 1 | Bat Habitat Roost habita 2. Moderate 3. Optimal: 5 Water Resou 2. Moderate: | Characteriz at: 1. Poor: No Snags with slo Inces: 1. Poor Ephemeral or | ation (Cho o or few sna oughing ba ughing bar bat drinki intermitter | oose app ags >= 5" ark or other k or other ing resour nt streams | opriate s OBH with r roost feat roost feat ces not pre or pondee | core for slough tures p tures pro- sent at l areas | or each ing bark resent 5 esent >1 the site present | habitat c or other -15 inch 5 inch D but too | characteristic r usable roost fe DBH within 100 BH within 1000 cluttered to allo |) atures (cracks 00 feet of fores feet of foreste w many bats 1 | , crevices, e sted areas. ed areas. ed areas. | tc) ly or simi | ultaneous | sly. No co | Drridors, | |
| Idiana I 3 3 3 | Bat Habitat Roost habita 2. Moderate 3. Optimal: 3 Water Resou 2. Moderate: openings or 3. Optimal: 5 available. Forest Struc 1. Poor: Hab 2. Moderate may be press 3. Optimal: 1 gaps that fac | Characteriz Characteriz at: 1. Poor: No Snags with slo Inces: 1. Poor Ephemeral or canopy gaps a Streams or por ture: (if hardwitat even aged is ome diversile ent but rare. Mature forest. ilitate bat fora | ation (Cho o or few sna oughing bar bat drinki intermitter llow bats e. dds (includi voods are a and young y in age of Diverse ag ging. | oose app ags >= 5" ark or other ing resour nt streams asy access ing road re bsent or n g. Trees sn trees in th ge classes o | opriate s DBH with r roost feat roost feat roost feat or pondec to the reso to the reso ts) preser early abse naller than e stand. T | core for slough tures pro- sent at l areas burce. t that a nt or if 5 inch rees 5 t sent. T | or each ing barl resent 5 sent >1 the site present ppear to stand is DBH. U o 15 inc `rees > 1 | habitat c or other -15 inch D 5 inch D but too c o offer dr monocu Jndersto hes prese 15 inch D | characteristic r usable roost fe DBH within 1000 BH within 1000 cluttered to allo rinking resource lture, area auto ry growth clutte ent. Understory BH frequent. V | c) Patures (cracks 00 feet of foreste feet of foreste w many bats 1 e throughout t matically qua ered and restr / clutter domin / arying tree he | crevices, e eted areas. ed areas. to drink easi he majority lifies as a 1: icts flying/f nant but not eight and tre | tc) ly or simu of the sur poor). oraging ubiquito pefalls allo | ultaneous mmer. Fl us. Trees ow for fre | sly. No co yways to s greater t equent sm | orridors, resource han 15″ all openi | es are DBH ings and |
| 1 diana I 3 3 1 2 3 | Bat Habitat Roost habita 2. Moderate 3. Optimal: 3 Water Resou 2. Moderate: openings or 3. Optimal: 5 available. Forest Struc 1. Poor: Hab 2. Moderate may be press 3. Optimal: 1 gaps that fac Land Cover: 2. Marginal: 3. Optimal: 3. Optimal: | Characteriz Characteriz at: 1. Poor: No Snags with slo Inces: 1. Poor Ephemeral or canopy gaps a Streams or por ture: (if hardwitat even aged some diversile ent but rare. Mature forest. Stilitate bat fora 1. Poor: Squ. Trees presen Area is largely Score (Should | ation (Cho o or few sna oughing bar bat drinki intermitter llow bats e. dds (includi voods are a and young y in age of Diverse ag ging. are kilomet in the form forested. be between | oose app ags >= 5" ark or other ing resour nt streams asy access ing road re bsent or n trees in th ge classes of er surrour n of small Wooded s n 4 & 12) | opriate s DBH with r roost feat roost feat roost feat or pondec to the reso to | core for slough tures pro- sent at l areas burce. t that a ht or if 5 inch rees 5 t sent. T oredom and wo connect | pr each ing barl resent 5 sent >1 the site present ppear to stand is DBH. I o 15 inc Trees > 1 inantly oded fe ed to ot | habitat or other -15 inch D 5 inch D but too o o offer dr monocu Jndersto hes prese 15 inch D un-fores nce rows her woo | characteristic r usable roost fe DBH within 1000 BH within 1000 cluttered to allo rinking resource lture, area auto ry growth clutte ent. Understory BH frequent. V ted. Few mature Little connect ded stands via v | c) patures (cracks 00 feet of foreste feet of foreste w many bats 1 e throughout t matically qua ered and restr / clutter domi /arying tree he re trees preser ion to adjacer wooded strear Please retu | crevices, e eted areas. ed areas. to drink easi he majority lifies as a 1: icts flying/f nant but not eight and tre the not connect the forested as n, fence row rn to: | tc) ly or simu of the sur poor). oraging ubiquito refalls allo cted to other reas. | ultaneous mmer. Fl us. Trees ow for fre her areas wooded | sly. No co yways to s greater t equent sm of trees. corridor. | orridors, resource han 15" all openi | es are DBH ings and |
| | Bat Habitat Roost habita 2. Moderate 3. Optimal: 3 Water Resou 2. Moderate: openings or 3. Optimal: 5 available. Forest Struc 1. Poor: Hab 2. Moderate may be press 3. Optimal: 1 gaps that fac Land Cover: 2. Marginal: 3. Optimal: 1 stal Habitat ts: | Characteriz Characteriz at: 1. Poor: No Snags with slo irces: 1. Poor Ephemeral or canopy gaps a Streams or por ture : (if hardwitt itat even aged some diversite ent but rare. Mature forest. ilitate bat fora 1. Poor : Squares Area is largely Score (Should | ation (Cho o or few smo oughing bar ughing bar bat drinki intermitter llow bats en ds (includi woods are a and young y in age of Diverse ag ging. are kilomet i in the form forested. be between | oose app ags >= 5" ark or other ing resour nt streams asy access ing road ru bsent or n g. Trees sn trees in th ge classes of er surrour n of small Wooded s n 4 & 12) | opriate s DBH with r roost feat roost feat roost feat roost feat or pondec to the reso to the reso to the reso aller than e stand. T if trees pre- ding site p woodlots tands are o | core for slough tures pro- sent at l areas burce. t that a nt or if 5 inch rees 5 t sent. T oredom and wo connect | pr each ing bark resent 5 sent >1 the site present ppear to stand is DBH. U o 15 inc rees > 1 inantly oded fe ed to ot | habitat c or other -15 inch D but too c o offer dr monocu Jndersto hes prese 15 inch D un-fores nce rows her wood | characteristic rusable roost fe DBH within 100 BH within 1000 cluttered to allo rinking resource lture, area auto ry growth clutte ent. Understory BH frequent. V ted. Few mature Little connect ded stands via v | c) patures (cracks 00 feet of foreste feet of foreste w many bats to e throughout to matically qua- ered and restron clutter domining rarying tree here re trees preser ion to adjacer wooded strear Please retu P.O. Box 73 | crevices, e eted areas. ed areas. ed areas. to drink easi he majority lifies as a 1: icts flying/f nant but not eight and tre to conne- th forested at n, fence row rn to: | ly or simu of the sur poor). oraging ubiquito refalls allo cted to other cted to other cted to other | ultaneous mmer. Fl us. Trees ow for fre her areas wooded | sly. No co yways to s greater t equent sm of trees. corridor. | orridors, resource han 15" all openi | es are DBH ings and |
| | Bat Habitat Roost habitat Roost habita 2. Moderate 3. Optimal: 3 Water Resou 2. Moderate: openings or 3. Optimal: 3 available. Forest Strucc 1. Poor: Hab 2. Moderate may be press 3. Optimal: 1 gaps that fac Land Cover: 2. Marginal: 3. Optimal: 1 gaps that fac Land Cover: 2. Marginal: 3. Optimal: 3 Optimal: 4 data data data data data data data data | Characteriz the Characteriz the Characteriz the Snags with slo Snags with slo Inces: 1. Poor Ephemeral or canopy gaps a Streams or por ture: (if hardwitt itat even aged some diversitent but rare. Mature forest. tilitate bat fora 1. Poor: Squ. Trees present Area is largely Score (Should | ation (Cho o or few smo oughing bar ughing bar bat drinki intermitter llow bats en ds (includi woods are a and young y in age of Diverse ag ging. are kilomet in the form forested. be between | oose app ags >= 5" ark or other ing resour nt streams asy access ing road ru bsent or n g. Trees sr trees in th ge classes o er surrour n of small Wooded s n 4 & 12) | opriate s DBH with r roost feat roost feat roost feat roost feat or pondec to the reso to | core for slough tures pro- sent at l areas ource. t that a nt or if 5 inch rees 5 t sent. T oredom and wo connect | present 5 esent 5 esent 5 esent 5 esent 5 present present ppear to stand is DBH. I o 15 inc rees 5 1 inantly oded fe ed to ot | habitat c or other -15 inch D 5 inch D but too c o offer dr monocu Jndersto hes prese 15 inch D un-fores nce rows her woo | characteristic rusable roost fe DBH within 1000 BH within 1000 cluttered to allo rinking resource lture, area auto ry growth clutte ent. Understory BH frequent. V ted. Few mature Little connect ded stands via v | c) patures (cracks 00 feet of foreste feet of foreste w many bats 1 e throughout t matically qua ered and restr / clutter domin / arying tree he re trees preser ion to adjacer wooded strear Please retu P.O. Box 73 859,925,000 | crevices, e eted areas. d area | tc) ly or simu of the sur poor). oraging ubiquito refalls allo cted to oth reas. r, or other KY. 4046 | ultaneous mmer. Fl us. Trees ow for fre her areas wooded | sly. No co yways to s greater t equent sm of trees. corridor. | orridors, resource han 15" all openi | es are DBH ings and |

| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# | Freq. | Moon Phas | e 60 % | 1411 | é | ax) Wan |
|------------|-----------|---|------------|-----------------------|----------------------|------------------------|----------------------------|----------|---------------------------------------|-----------------------|-----------------------------|-----------------------------------|----------|---------------------------------------|--------------------------------------|------------|----------|-----------------|
| 1 | 10:00 | CPEIL | T | F | 10 | (5) | 45 | D | 4 | 0 | - | | - | | | Rise | | Set |
| 2 | 10:30 | FPFU | A | M | K | 175 | 41 | C | 2 | 0 | | ~ | 1. | Sun | | | | 2055 |
| 3 | 10.30 | TOFU | I | F | NR | 17 | 45 | A | 5 | 1 | | | - | Moon | | | | |
| 4 | 12.15 | EPFU | A | F | PL | aD | 47 | A | 2 | ò | - | - | - | | | | | |
| 5 | 10.112 | | 1 | 1 | | | | 11 | - | | | 1 | | 1 martine | 1.0 | 11.0 | 1 | 1007-117 |
| 6 | - | | 1 | 1 | 1 | | | | - | | 1 | 1 | | Time | Temp (F) | Sky | Wind | No. Bats |
| 7 | 1 | | | 1 | h | | | | | | 1 | 1 | | 9:00 | A2 | 1 | 0 | 0 |
| 8 | | | | 1 | - | 1 | | | | | | | | 10:00 | 79 | 0 | 0 | 3 |
| 9 | 1 | | | 1 | 1 | 1 | | 1.1 | | G., | | | | 11:06 | 76 | 0 | 0 | 0 |
| 10 | 1.000 | | | 0.000 | | | | | 1 | | | 1 ····· | 1.0 | 12:00 | 15 | 0 | 0 | 1 |
| 11 | 1 | () | 1200 | 1 | 1 | | 1 | | | | 1 | in the second | | 1:00 | 75 | 3 | 1 | 0 |
| 12 | P | | | 1 | [| | | - | 1 | | | E. | 1 | 2:00 | 73 | 2 | | 0 |
| 13 | | | | 1 | | 1 | | | · · · · · · · · · · · · · · · · · · · | | | | 1000 | | | 1.1 | 1. | 1.2 |
| 14 | | | | 1 | | 1 | | C | | | | n 14 | 1 | 11.00 | | | · | 1.1.1.1.1.1.1.1 |
| 15 | | | 1 | 0 | (mar.) | - | | 1.11 | | - | | | | 100000 | (1997) 1997 - 1997 1997 - 1997 | 1.00 | | |
| 16 | 1 | () | | 11 | | | 2 | | | - | | | | · · · · · · · · · · · · · · · · · · · | | Sky Code | 2 | |
| 17 | | | | 1 | | | | | | | | | 1 | 0 | Clear | | | |
| 18 | | - | | | 1.00 | 1 | | | | - | | | 1 | 1 | Few Cloud | ls | | |
| 19 | t | (| | | | | 1 | | | | | | | 2 | Partly Clos | ıdy | | |
| 20 | | | | | | | | | | | | - | | 3 | Cloudy or | overcast | | |
| 21 | — | | | ÷ | | | 1 | - | | | | I | | 4 | Fog or smo | oke | | |
| 22 | | 1 | 1 | | 1 | 1.1 | 1 | | 1 | | | | 1 | 5 | Drizzle or | light rain | | |
| 23 | | | 1 | | | | | | | 0 | | | | 6 | Heavy rain | n - thunde | er storm | _ |
| 24 | | | | 10.1 | | | | - | | | | | - | 1.5 | | 1.77 | | |
| 25 | 1 | | | 1 | | | · | | | | .1.36.0 | One cancer in | 1 | · · · · · · | Beau | fort Wind | d Scale | |
| 26 | | | | | | 1 | 1 | | | | · · · · | - | 1 | 0 | Calm: <1 n | nph | | |
| 27 | - | d 120 - 120 | 1 : | | | | | | | | 1.000 | | 122.27 | 1 | Light air: 1 | -3 mph | | |
| 28 | 1 | | | | | | | | | - | | | | 2 | Light breez | ze: 4-6 mp | oh | |
| 29 | | 1 | | | | 1.1.1.1 | - | | | 1. | | | A (| 3 | Gentle bree | eze: 7-10 | mph | |
| 30 | - | | | | · · · · · · | | 1 | | | | 21 | | | 4 | Moderate l | oreeze: 11 | -16 mph | |
| 30 Spec | ies Abbre | viations: Coryn)): Lasiurus cine | orhinus ra | afinesqu CI); Lasi | ii (CORA urus sem | (); Coryn inolus (L | orhinus t. v ASE); Lasi | /irginia | nus (COVI) is noctivaga | ; Eptesic ans (LAN | us fuscus (E IO); Myotis | PFU); Lasiur austroripariu | us 15 | 4 Please Re | Moderate l | oreeze: 11 | -16 mph | _ |

| ite N ite L | o. <u>4</u> ocation | WOODLOT | Project | No./N | lame www.R | 412 | 1_5 | MERSON | CREEK | | | | Date | 7-30-15 | | ÷ | 6 | 5 |
|----------------|------------------------|--------------------|-----------|---------------------|---------------|-------------|-------------------|----------|---------------|-----------|-------------|---------------|--|-----------|---------------|------------|---------|------------|
| oun at/L | on ; UTN | Senera 1: N/E41 | .155 | State_ | _W/N_ | - 82 | Time Up , 8555 | 8 | Zone | ne Down | n <u> </u> | NA83 | Observe | ers MTM, | TAB | -co | PPEF | 7 |
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | e100 % | | v | Vax / Wane |
| 1 | 10:45 | LABO | A | F | PL | 14.5 | 40 | E | 1 | 0 | | 1 | - | | | Rise | | Set |
| 2 | 10:45 | EPFU | A | M | 5 | 17 | 47 | B | a | 0 | - | - | - | Sun | | | | 8:50 |
| 3 | (CER) | | 1 | (i | 7.8.21 | 4 | | | | | 1 | | | Moon | | 1 | | |
| 4 | | | · · · · · | 1 | 1 | 1 | | - | , ii | | | | i | | | | | |
| 5 6 | | | | | | | _ | | | | | | | Time | Temp (F) | Sky | Wind | No. Bats |
| 7 | | | | | | | | | | | 12 | | | 9:00 | 78 | 0 | 1 | 0 |
| 8 | | | 1 15 | 10.00 | 1.00 | 10000 | 1 | | | | | | | 10.00 | 75 | ð | 1 | 2 |
| 9 | · · · · · · · | | · · · · · | 1 | second line | · | 10.000 | | 5 A | _ | 2 | - | · · · · · · | 11.00 | 73 | 0 | 1 | 0 |
| 10 | | | | 5 I | 1.1 | | A | | 1 | | 8 | | | 12.00 | 70 | D | 1 | D |
| 1 | - | | | | 1.1211 | | | | 0 | | | | 1. | 1:00 | 60 | D | 1 | 0 |
| 12 | | | | | | | | [| | f | (h | | | 2:00 | 64 | 0 | 1 | 0 |
| 13 | 1.0 | | | | | | [] | | | 1 | 11 | 1 | 1. | | 1 | | | |
| 14 | | | | · · · · · · · · · · | 1 | | | | 1 | | | | A | 1 | 1 | | | |
| 15 | | | 1 | | | 1 | | | | 1 | | | F | | | | | |
| 16 | | | | i. | | | | | | | · · · · · | | - | | 5 | Sky Code | C | |
| 17 | · | | | | 1 - 1 | <u>}</u> | | | | 1. and 1. | ly - Cal | | 1 | 0 | Clear | | | |
| 18 | 1 | | 1 | | | | _ | K | | | 1 | | 1 | 1 | Few Cloud | s | | |
| 19 | | 3. | 0 | | | 1 | | | | | - | | 1 | 2 | Partly Clou | ıdy | | |
| 20 | 1 | 10 | | 1.1 | | | | <u>.</u> | | | | | 1 | 3 | Cloudy or o | overcast | | |
| 21 | 1.1.1 | | | | | | | | - | A | | | | 4 | Fog or smo | ke | | |
| 22 | 1.00 | N | 1 | | 1 | 0.20 | | | | | | | | 5 | Drizzle or l | ight rain | | |
| 23 | 1 | | | | 1 | 1 | | | | | | 1 | | 6 | Heavy rain | - thunde | r storm | |
| 24 | 1 | | 1 | | 1 | | | | 1 | 1 | | | 1 | | | 1.1 | - | |
| 25 | | | | 1.1.1.1 | | | - | | | 1.1.1 | 1.1.1.1.1.1 | í | 1 | | Beau | fort Wind | Scale | |
| 26 | a | | | | | | | | | | · | | | 0 | Calm: <1 m | iph | | |
| 17 | | 1 | | | | | | | | | | | | 1 | Light air: 1- | -3 mph | | |
| 28 | | | - | | | | - | 1.1.1 | | 1 | | 1 | L., | 2 | Light breez | e: 4-6 mp | h | |
| 29 | | | | 10 TT | | 1.2 | | 1.1 | | 1 | | 1 | - | 3 | Gentle bree | ze: 7-10 r | nph | |
| 50 | | | | 1 | | 1.00 | · · · · · · | | | | | Sec. 22.2 | | 4 | Moderate b | reeze: 11 | 16 mph | |
| cou | stic Surv | vey: Unit typ | e | - | Unit # | | Date | | Start tin | ne | | Stop time_ | | | | | | |
| | | | | | | | Date | | Start tin | 1e | | Stop time_ | - | Please Re | turn to: | | 1.5 | |
| | | | | | | | Date | | Start tin | 1e | | Stop time_ | Sec. 22. | P.O. Box | 73, Paint L | ick, KY | 40461. | |

| at/Lon ; UTM: N/E | 41,155 | W/N | 82.855 | 9 | 2,20 | Zone | | Observers_ | MTH, | TAB | | | | |
|--|---|---|--|---|--|--|--|---|--|---|-------------------------------------|-------------------------------------|------------------------------------|--------------|
| atum: NAD83 | County | SENECA | State | DH | Ouad | Flat | Rock | | | | | | | |
| te Diagram: | | | | 1901 | Height | Length | 1 | | | Domin | nant Veg | getation | | |
| | | | in the second se | Net | (m) | (m) | Dates | 1. RED DAT | 6 | | 4. ELM | (| | |
| | | | | Α | 6 | 6 | 7-25 | 2. willow | 4 | | 5 | - | | _ |
| | 0 | DPEN | 5 | В | 6 | 6 | 7-25 | 3. CATELEI | 9. | | _6 | | | _ |
| | | FIELD | E. | C | 9 | 12 | 7-25 | _ | | | | | | |
| 7 | ~ | | E. | D | 6 | 9 | 7.25 | Habitat | | Net 2 | Set by H | abitat | E | - |
| | |). | m | E | - | | | Pinor | A | D | c | D | 4 | |
| 1 B | 1.5 |) | | г | | - | | Stream | V | | - | | | - |
| | 1 | | | - | | | | Pond | | V | - | | | - |
| 11 | | | | Site | Photog | raphs | | Corridor | | | - | | | |
| 11 200 | 25 | | 11 | Cam | era: | 3 | | Cave | | | | 1 | | 1 |
| STOR | | | | Phot | o Log:_ | | | Mine | | | | 2 | | |
| Priv | | | - | | | | | Forest | | | ~ | 1 | | |
| 11 | D | | 1 | | | | | Gap | | | v | × . | | |
| 11 | 1 | OPEN | 20 | | | | | Other | | | | | | |
| 1 / 10 | 6 | 110 | -2 | | | | | | | | | | | |
| 2. Moderate: 3. Optimal: S <u>Water Resour</u> 2. Moderate: openings or c 3. Optimal: St available. <u>Forest Structu</u> 1. Poor: Habil 2. Moderate: | nags with sl rces: 1. Poo Ephemeral o anopy gaps treams or po ure: (if harc tat even age some divers nt but rare. | oughing bark or oughing bark or o or: bat drinking re- or intermittent stre- allow bats easy ac onds (including ro- lwoods are absent d and young. Tree ity in age of trees | ther roost fe sources not p ams or pond cess to the re ad ruts) pres or nearly ab es smaller th in the stand. | eatures pr atures pr present a led areas esource. ent that a sent or if an 5 inch Trees 5 | esent >1 t the site present appear t stand is DBH. 1 to 15 inc | 5 inch D but too o offer di s monocu Understo ches pres | BH within 100 BH within 1000 cluttered to allo rinking resourc olture, area auto ory growth clutt ent. Understor | by feet of forester ow many bats to the throughout the pomatically qual tered and restri y clutter domin | d areas. o drink ea ne majorit ifies as a 1 cts flying, nant but no | sily or simu y of the sur : poor). / foraging of ubiquito | ultaneous nmer. Fly us. Trees | ly. No co yways to greater tl | rridors, resource: nan 15" [| s are DBH |
| 3. Optimal: M | | aging | | | | | | 1.0 | 0 | | | | | 0 |
| 2 Land Cover: 3. Optimal: M gaps that faci 2. Marginal: 3. Optimal: A | litate bat for 1. Poor: Sq Trees preser Area is large | uare kilometer sur nt in the form of sr ly forested. Wood | rounding sit nall woodlo ed stands ar | e predon ts and we re connec | ninantly ooded fe ted to of | un-fores ince rows ther woo | sted. Few matu s. Little connec ded stands via | trees presen tion to adjacen wooded strean | t not conn t forested 1. fence ro | ected to otl areas. w. or other | wooded | of trees. corridor | | |
| may be prese 3. Optimal: M gaps that faci 2 Land Cover: 2. Marginal: 3. Optimal: A | litate bat for 1. Poor: Sq Trees prese Area is large | uare kilometer sur nt in the form of sr ly forested. Wood | rounding sit nall woodlo ed stands ar | e predon ts and we re connec | ninantly ooded fe ted to ol | un-fores ence rows ther woo | sted. Few matu s. Little connec ded stands via | tre trees presen tion to adjacen wooded strean | t not conn t forested n, fence ro | ected to otl areas. w, or other | ner areas wooded | of trees. corridor. | | |
| may be prese 3. Optimal: M gaps that faci 2 Land Cover: 2. Marginal: 3. Optimal: A 4 Total Habitat S | litate bat for 1. Poor: Sq Trees prese Area is large Score (Shoul | uare kilometer sur nt in the form of sr ly forested. Wood d be between 4 & | rounding sit nall woodlo ed stands ar 12) | e predon ts and wo re connec | ninantly ooded fe ted to of | un-fores ence rows ther woo | sted. Few matu s. Little connec ded stands via | tre trees presen tion to adjacen wooded strean Please retui | t not conn t forested n, fence ro m to: | ected to otl areas. w, or other | vooded | of trees. corridor. | 3 | |
| may be prese 3. Optimal: M gaps that faci 2. <u>Land Cover</u> : 2. Marginal: 3. Optimal: A <u>Total Habitat S</u> mments: | litate bat for 1. Poor: Sq Trees prese Area is large <u>Score</u> (Shoul | uare kilometer sur nt in the form of sr ly forested. Wood d be between 4 & | rounding sit nall woodlo ed stands ar 12) | e predon Is and wo e connec | ninantly ooded fe ted to of | un-fores ence rows ther woo | sted. Few matu s. Little connec ded stands via | tre trees presen tion to adjacen wooded strean Please retu P.O. Box 73, | t not conn t forested n, fence ro m to: Paint Lici | ected to oth areas. w, or other k, KY. 4046 | wooded | of trees. corridor. | ନ୍ତ | FA |
| ount at/L | y <u>501</u> on;UTM | neca 1: N/E 41.11 | 5729 | State_ 5 | _0H _W/N_ | 82 | Time Up | 8:5 | Zone | ne Dowr | Datum_ | VA683 | Observer | s Er, (| R | - C o | PPER | SHEAT |
|--------------------------------|---|--|---|--|--|---|---|---|--|--|---|--|---------------------------------------|---------------------------------------|---------------------------------|-------------|----------|-----------|
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | e % | | v | Vax / Wan |
| 1 | 9:00 | 1 ABO ESC | | 1.00 | - | Contract of | t | 1.00 | | | | 1 | | | | Rise | | Set |
| 2 | 11:00 | MYSE | 9 | F | NK | 6 | 26 | A | 2 | 0 | .e | except Sty | e banding | Sun | | | | 8.55 |
| 3 | | | 1 | | 1 | | 12.201 | | | 1.2.2 | | 11111 | | Moon | | | | 011111 |
| 4 | 1.1 | | | I | 1 | - | - | | 0 | | | | | | | | | |
| 5 | | | | 1 | 2 - 2 | | 1 | | | | 1 | | | Time | Temp (F) | Sky | Wind | No. Bats |
| 6 | | | ÷ | - | 1.00 | | 1 | | 5 | B. A. M | | | In the second | - Anne | comp (c) | | | |
| 7 | | | | 0 | | 1 | | | | | | | | 9:00 | 83 | 1 | 2 | 0 |
| 8 | | | | I | | | | | | 2.1 | | | | 10 00 | 78 | 0 | 2 | 0 |
| 9 | 1.1 | 1 | · · · · · | | 1 | 1 | 1 | | 1 | | · · · · · · · · · · · · · · · · · · · | S | · · · · · · · · · · · · · · · · · · · | 11:00 | 77 | 0 | 2 | 1 |
| 10 | | | | - | | | | | | 1 | | | | 12:00 | 75 | 1 | 1 | 0 |
| 11 | 100 | | | | 1. T. T. | | | (| 2 | 1 | | - | | 1:00 | 74 | = | 2 | 0 |
| 12 | | | - | 1.1 | | | | | 1 | | / | | 10 - 10 - 11 | 2:00 | 74 | 0 | 2 | 0 |
| 13 | | | 1 | 1000 | (mm and) | 10.000 | 1 | | 1 - 11 | · · · · · | 10.00 | A | 1 | 1.1.1 | 1000 | | | |
| 14 | | | | | | | | | 1 | | | | | | | | | 1 |
| 15 | | | - | _ | - | | h | | | | 1 | | | | | | | |
| 16 | | | | | | 1.000 | | | | | | | A | 1 | | Sky Code | | - |
| 17 | 1.000 | | | 1000 | | | | | | | | | | 0 | Clear | _ | | |
| 18 | | Barrie and | - | - | _ | 1 | | _ | | | | 1 | | 1 | Few Cloud | ls | - | |
| 19 | | | | | | 1000 | Sec. 1 | _ | · · · · · · · · · | | | - | N | 2 | Partly Clou | ıdy | | |
| 20 | | | i. i | | | - | | 1 | | | | | | 3 | Cloudy or | overcast | | |
| 21 | 1 | | | | - | - | | | - | | | 1 | | 4 | Fog or smo | oke | | |
| 22 | - | | 1 | | | | | | | 1.1.1 | 1 | | | 5 | Drizzle or | light rain | | |
| 23 | 1 | | - | _ | | | | | | | | | 1.1.1.1 | 6 | Heavy rair | n - thunde | er storm | |
| 24 | - | | - | | | | - | | | 1.1.1 | | | ÷ | | - | | | |
| 25 | - | | | | | | | - | | | 1 | - | - | | Beau | fort Wind | d Scale | |
| 20 | | | _ | - | | - | - | - | | | | | 1 | 0 | Calm: <1 n | nph | | |
| 29 | 1 | | - | | - | | | | | 10.00 | 1.00 | | - | 1 | Light air: 1 | -3 mph | | |
| 20 | | | | _ | | - | | | - | | - | | | 2 | Light breez | ze: 4-6 mp | oh | |
| 30 | - | | - | - | - | - | | - | | | | | 1 | 3 | Gentle bree | eze: 7-10 1 | mph | |
| 50 | | | | | | | | | | _ | | | | 4 | Moderate | oreeze: 11 | -16 mph | |
| Speci borea (MYA (MYS | i es Abbre lis (LABC AU); Myot iO); Nycti | viations: Corynon)); Lasiurus cinere tis grisescens (MY ceius humeralis (l | rhinus ra eus (LAC 'GR); My NYHU); | finesqu CI); Lasin otis leit Perimy | ii (CORA urus semi bii (MYLE otis subfl |); Coryn inolus (L E); Myoti lavus (Pl | orhinus t. v .ASE); Lasi is lucifugus ESU); Tada | virginia onycteri (MYLU rida bra | nus (COVI) is noctivaga J); Myotis s siliensis (T |); Eptesico ans (LAN eptentrio ABR) | us fuscus (E 10); Myotis onalis (MYS) | PFU); Lasiuru austroripariu E); Myotis soc | ıs s Ialis | Please Re P.O. Box 2 (859) 925- | turn to: 73, Paint I 9012 | .ick, KY | , 40461. | |

Mist Netting Data Form

| # | Time | Species | Age | Sex | Repr. | Mass | FA (mm) | Net | Height | WDI | G/H/B/T | Band# | Freq. | Moon Phas | e % | 1.11.11.11 | ianaista) M | Vax / Wan |
|-----|-----------|--------------|--------|-------------|-------------|-------------|---------|----------|-------------|-----|---------------------------------------|------------|-------|-----------|---------------|--|----------------|-----------|
| 1 | 1:20 | 1000 | - | P | 10 | (g) | 10 | N | (m) | A | | Type | | | | Dies | | |
| 2 | 1.30 | LABO | 5 | F | INN | 1d | 51 | D | d | 0 | - | | | Sup | | Rise | | Fire |
| 3 | | | - | 1 | | - | | | | | | | - | Moon | - | | | 0.51 |
| 4 | | | 1 | | | - | - | 1 | | - | | 1.000 | | moon | - | - | _ | |
| 5 | | | 1 | 1 | 1 | | | - | 1000 | - | | 1 | | | | | | 1 |
| 6 | - | - | 7 5 | - | 1 | F | | | | - | 11 | 1 | | Time | Temp (F) | Sky | Wind | No. Bats |
| 7 | E | | | | 1 | 1 | - | 1 | | | 1 | | | 9:00 | 80 | 0 | 2 | 0 |
| 8 | | | | | | | | | · | | | | | 10:00 | 77 | 0 | 2 | 0 |
| 9 | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | 11:00 | 73 | 0 | 2 | 0 |
| 10 | | |)3 | 2 | | | | | | | | | | 12:00 | 69 | 0 | 2 | 0 |
| 11 | | | 1.000 | 1 | (<u></u>) | | | | 1-2-6 | | | | | 1:00 | 68 | 0 | 100 | |
| 12 | 1 | | | c = l | 1 | | | | 0 = -0 | | | | | 1 | 1 | | 1 | |
| 13 | 1.11 | | | 6 1 6 | 1000 | 111.14 | · | 1 | 1 | - | | | | | 1 | 1. A. C. | | |
| 14 | | | | | 1 | a | | | | | | | - | | - · · | | | |
| 15 | | _ | | | | | | 1 | | | | | | 1 | | | | |
| 16 | 1.1 | | | 1.1 | | 1 1 | | 1 | | | 1.1.1.1 | | | | | Sky Code | | |
| 17 | Y | | | 1.1 | | | | | | | - | | 1000 | 0 | Clear | | | _ |
| 18 | · | 1 | z = 1 | 1000 | | 1.1 | | 1.00 | | | | | 11 | 1 | Few Cloud | ls | | |
| 19 | - | | - | · · · · · · | - | har were t | | 1 | | | | | | 2 | Partly Clou | ıdy | | |
| 20 | | | - | | _ | | - | 1 | h | | - | | | 3 | Cloudy or | overcast | _ | |
| 21 | | | - | () | | | | | | 1 | 1.11 | | 1.00 | 4 | Fog or smo | oke | | |
| 22 | | | | | | | | | | | | | | 5 | Drizzle or | light rain | | |
| 23 | | - | _ | | - | | | | | | | | | 6 | Heavy rain | - thunder | r storm | |
| 24 | | | - | | | · · · · · · | | - | 1 | | | | | | | | | |
| 25 | | _ | - | - | 1 | | 1 | - | | | - | 1 | - | | Beau | fort Wind | Scale | |
| 20 | · · · · · | | | | | - | | | | | - | | | 0 | Calm: <1 n | nph | | _ |
| 2/ | | | - | | | | | | | | - | | - | 1 | Light air: 1 | -3 mph | _ | |
| 20 | - | | | - | - | | | | | | | | | 2 | Light breez | ze: 4-6 mp | h | |
| 20 | | | - | - | 1 | | - | _ | - | | | | | 3 | Gentle bree | eze: 7-10 n | nph | |
| 00 | tio Cum | our Unit to | | | IImit # | | Data | - | Chamb It're | | | Chan the | - | 4 | Moderate b | preeze: 11- | 16 mph | |
| cou | Suc Surv | ey. Onit typ | e | | Unit # | | Date | | Start tin | le | | Stop time | | Diana D | 1.5 mil 1 mil | | _ | _ |
| | | | - | | | | Date | | Start in | le | | Stop time_ | | Please Re | turn to: | | 10.00 | |

| Lat/LON; UIM: P | N/E 41.167295 W/N | 82.8480 | 25 | Zone | - | Observers | ESIR | R | | - | | |
|---|---|--|---|---|--|--|--|--|---|--|---|-----------------------|
| Datum: NAD8 | 3 County Seneca | State (| OH OU | ad Flat | Rock | 4.00x 41.0 4 | | | | | | |
| Site Diagram: | | | He | ight Lengt | h | | | Domi | nant Veg | getation | 1 | |
| | | | Net (| m) (m) | Dates | 1. Led | Made | | 4. | | | |
| | | | A e | 1.6 | 7 | 2. Rel | Onte | _ | _5 | | | |
| | | | B | 5 9 | | 3. Shay 6 | own 4 | nkon | _6 | - | | _ |
| - 2 | | | Ce | 6 | | | | | | | | |
| . \ | Locals | | DC | 5 12 | | - | | Net | Set by H | abitat | | |
| B | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | E | 1.1 | - | Habitat | A | В | C | D | E | |
| 12 | | | F | | 1 | River | 1 | | 12-000 | | | - |
| trail | LA C | | | _ | | Stream | | - | | - | | - |
| 1 | | | Site Ph | tographs | | Carridar | V | × | X | | - | - |
| | | | Camera | , | | Cave | ~ | | 10 | - | - | - |
| (0 | | | Photo L | 0g: | | Mine | | | - | - | - | - |
| / | 5 hos | | | -0 | | Forest | | | - | v | | |
| / | JUY O Cair | | | | | Gap | | | | 1 | | |
| J | | | | | | Other | | | | | | |
| / | | | | | | 10000 | | | | | | |
| | | | | | | a la constante de la constante | | | 100.00 | | | |
| ndiana Bat Hat | bitat Characterization (Choose <u>abitat</u> : 1. Poor: No or few snags | <pre>appropriate s >= 5" DBH with</pre> | core for sloughing | each habita | it characteristi er usable roost f | ic) eatures (cracks, | crevices, | etc) | | | | |
| Indíana Bat Hat <u>3</u> Roost hi 2. Mode 3. Optin <u>2</u> Water R 2. Mode opening: 3. Optim available <u>3</u> Forest Si 1. Poor: 1 2. Mode may be p 3. Optim gaps tha | bitat Characterization (Choose abitat: 1. Poor: No or few snags > erate: Snags with sloughing bark or nal: Snags with sloughing bark or tesources: 1. Poor: bat drinking r erate: Ephemeral or intermittent st is or canopy gaps allow bats easy a nal: Streams or ponds (including r e. <u>tructure</u> : (if hardwoods are abser Habitat even aged and young. Tr erate: some diversity in age of trees present but rare. nal: Mature forest. Diverse age cla at facilitate bat foraging. | e appropriate so >= 5" DBH with so or other roost features outher roost features resources not pre- reams or ponded access to the reso road ruts) presen- nt or nearly abser- reses smaller than s in the stand. The asses of trees pre- | core for of sloughing tures present sent at the l areas pro- urce. t that app ht or if sta 5 inch DE rees 5 to 1 sent. Tree | each habita bark or oth ent 5-15 inch 1 >15 inch I e site. esent but too ear to offer o nd is monoc H. Underst 5 inches pre | at characteristi er usable roost f i DBH within 10 DBH within 100 cluttered to all drinking resource ulture, area auto ory growth clut sent. Understor DBH frequent. | ic) ieatures (cracks, 100 feet of forester 0 feet of forester ow many bats to be throughout the ce throughout the omatically qual- tered and restri ry clutter domir Varying tree he | , crevices, o ted areas. d areas. o drink eas ne majority ifies as a 1 cts flying/ nant but no ight and th | etc) sily or simu y of the sur : poor). (foraging ot ubiquito reefalls allo | ultaneous mmer. Fly us. Trees ow for free | ly. No co yways to greater t quent sm | orridors, resource han 15″ I all openi | s are DBH ngs a |
| Indiana Bat Hat <u>3</u> Roost h 2. Mode 3. Optin <u>2</u> Water R 2. Mode opening 3. Optim available <u>3</u> Forest S 1. Poor: 2. Mode may be p 3. Optim gaps tha <u>1</u> Land Co 2. Margi 3. Optim | bitat Characterization (Choose abitat: 1. Poor: No or few snags > erate: Snags with sloughing bark or tesources: 1. Poor: bat drinking r erate: Ephemeral or intermittent st so or canopy gaps allow bats easy a nal: Streams or ponds (including r e. <u>Structure</u> : (if hardwoods are abser Habitat even aged and young. Tr erate: some diversity in age of trees present but rare. nal: Mature forest. Diverse age cla at facilitate bat foraging. <u>over:</u> 1. Poor: Square kilometer su inal: Trees present in the form of nal: Area is largely forested. Woo | e appropriate so >= 5" DBH with so other roost features other roost features resources not pre- reams or ponded access to the reso road ruts) present at or nearly abser- rees smaller than s in the stand. The asses of trees pre- arrounding site p small woodlots a oded stands are c | core for e sloughing tures prese sent at the l areas pre- urce. t that app t or if sta 5 inch DE rees 5 to 1 sent. Tree oredomina and wood onnected | each habita bark or oth ent 5-15 inch t >15 inch I e site. sent but too ear to offer o nd is monoc H. Underst 5 inches pre es > 15 inch ently un-fore ed fence row to other wo | at characteristi er usable roost f i DBH within 100 DBH within 100 cluttered to all drinking resource ulture, area auto ory growth clut sent. Underston DBH frequent. ested. Few matures. Little connector oded stands via | ic) ieatures (cracks, 100 feet of forester 0 feet of forester ow many bats to the throughout the omatically quali- tered and restri- ty clutter domir Varying tree he are trees presen- tion to adjacen- wooded stream | , crevices, o ted areas. d areas. o drink eas he majority ifies as a 1 cts flying/ hant but no ight and th t not connu- t forested a h, fence roo | etc) sily or simu y of the sur (foraging of ubiquitor reefalls allo ected to oth areas. w, or other | ultaneous mmer. Fly us. Trees ow for free her areas | ly. No co yways to greater t quent sm of trees. corridor. | orridors, resource han 15″ I all openi | s are DBH ngs a |
| Indiana Bat Hat <u>3</u> Roost h. 2. Mode 3. Optin <u>2</u> Water R 2. Mode opening 3. Optin available <u>3</u> Forest S 1. Poor: 2. Mode may be p 3. Optim gaps tha <u>1</u> Land Co 2. Margi 3. Optim | bitat Characterization (Choose abitat: 1. Poor: No or few snags > erate: Snags with sloughing bark or mal: Snags with sloughing bark or tesources: 1. Poor: bat drinking r erate: Ephemeral or intermittent st is or canopy gaps allow bats easy a nal: Streams or ponds (including r e. <u>structure</u> : (if hardwoods are abser Habitat even aged and young. Tr erate: some diversity in age of trees present but rare. nal: Mature forest. Diverse age cla at facilitate bat foraging. <u>over</u> : 1. Poor: Square kilometer su inal: Trees present in the form of nal: Area is largely forested. Woo | e appropriate so = 5" DBH with so or other roost features resources not pre- reams or ponded access to the reso road ruts) present at or nearly abser- reses smaller than s in the stand. The asses of trees pre- arrounding site pre- small woodlots are oded stands are co & 12) | core for e sloughing tures present sent at the lareas pro- urce. t that app at or if sta 5 inch DE rees 5 to 1 sent. Tree predomina und wood onnected | each habita bark or oth ent 5-15 inch t >15 inch I este. esent but too ear to offer o nd is monoc H. Underst 5 inches pre es > 15 inch ently un-fore ed fence row to other wo | at characteristi er usable roost f i DBH within 10 DBH within 100 cluttered to all drinking resourd ulture, area auto ory growth clut sent. Underston DBH frequent. ested. Few matures. Little connect oded stands via | ic) ieatures (cracks, 000 feet of forester 0 feet of forester ow many bats to ce throughout th omatically qual tered and restri- try clutter domir Varying tree he ure trees presen- ction to adjacen- wooded stream Please retur | , crevices, o ted areas. d areas. o drink eas ne majority ifies as a 1 cts flying/ nant but no ight and th t not conno t forested a n, fence roo m to: | etc) sily or simu y of the sur : poor). (foraging ot ubiquito reefalls allo ected to oth areas. w, or other | ultaneous mmer. Fly us. Trees ow for free her areas | ly. No co yways to greater t quent sm of trees. corridor. | orridors, resource han 15″ I all openi | s are DBH ngs a |
| Indiana Bat Hat <u>3</u> Roost h. 2. Mode 3. Optin <u>2</u> Water R 2. Mode opening 3. Optin available <u>3</u> Forest S 1. Poor: 2. Mode may be p 3. Optin gaps tha <u>1</u> Land Co 2. Margi 3. Optim <u>3</u> Optim Comments: | bitat Characterization (Choose abitat: 1. Poor: No or few snags > erate: Snags with sloughing bark or tesources: 1. Poor: bat drinking r erate: Ephemeral or intermittent st is or canopy gaps allow bats easy a nal: Streams or ponds (including r e. <u>tructure</u> : (if hardwoods are abser Habitat even aged and young. Tr erate: some diversity in age of trees present but rare. nal: Mature forest. Diverse age cla at facilitate bat foraging. <u>over</u> : 1. Poor: Square kilometer su inal: Trees present in the form of nal: Area is largely forested. Woo bitat Score (Should be between 4 & | e appropriate so >= 5" DBH with so or other roost features outher roost features resources not pre- reams or ponded access to the reso road ruts) presen- nt or nearly abser- reses smaller than s in the stand. The asses of trees pre- arrounding site p small woodlots a oded stands are c & 12) | core for of sloughing tures present sent at the lareas pro- urce. t that app at or if sta 5 inch DE rees 5 to 1 sent. Tree oredomina and wood onnected | each habita bark or oth ent 5-15 inch t >15 inch I e site. ear to offer o nd is monoc H. Underst 5 inches pre es > 15 inch ently un-fore ed fence row to other wo | at characteristi er usable roost f i DBH within 100 DBH within 100 cluttered to all drinking resource ulture, area auto ory growth clut sent. Understor DBH frequent. ested. Few matures. Little connector oded stands via | ieatures (cracks, 000 feet of forester 0 feet of forester ow many bats to be throughout the ce throughout the comatically qual- tered and restri- try clutter domir Varying tree he are trees presen- ction to adjacen- wooded stream Please retur P.O. Box 73, | crevices, of ted areas. d areas. o drink east ne majority ifies as a 1 cts flying/ nant but no ight and th t not connot t forested a n, fence roo m to: Paint Licl | etc) sily or simu y of the sur : poor). 'foraging of ubiquito reefalls allo areas. w, or other w, or other s, KY. 4046 | ultaneous mmer. Fly us. Trees ow for free her areas wooded | ly. No co yways to greater t quent sm of trees. corridor. | orridors, resource han 15″ I all openi | s are DBH ngs a |

| $M/Lon; UTM: NYE 41.1672.95 W/N_1$ | 7.848025 Zone | Observers_ | ES,K | R | | | | - |
|--|---|---|--|---|---|---|---|-----------------------|
| te Diagram' | State Off Quad Flat Koch | | - | Domi | nant Veg | etation | | |
| 10- | Net (m) (m) Da | tes 1. Cad | Made | 2 | 4. | | | |
| - 11 | A 9 6 | 2. Red | Ogk | | 5 | | | |
| 11 11 | B 6 12 | 3. Shapt | ark H | herery | 6 | | | _ |
| 1 Geody | C 6 6 | | | - 72.7 | 100.0 | | | - 7. |
| 3 | D 6 9 | | _ | Net | Set by H | abitat | | |
| - truit | Е | Habitat | A | B | C | D | E | F |
| A | F | River | | | | | | |
| woods | | Stream | | | | 1.1.1 | | _ |
| | Cita Dhataana ha | Pond | 16 | | - | F | | |
| | Camera | Corridor | X | x | X | 1 | | - |
| | Photo Log | Mine | | - | 1 | | 1.1.1.1 | - |
| Suy bear | 11010 205 | Forest | | | | | | - |
| | | Gap | | | | | | |
| | | Other | | | | | | |
| | | | | | | 1.1 | | |
| | | | | | | | | |
| Idiana Bat Habitat Characterization (Choose ap | propriate score for each habitat charact | eristic) | crevices | etc) | | | | _ |
| Adiana Bat Habitat Characterization (Choose app <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" 2. Moderate: Snags with sloughing bark or othe <u>3</u> Optimal: Snags with sloughing bark or othe <u>Water Resources</u>: 1. Poor: bat drinking resou 2. Moderate: Ephemeral or intermittent stream openings or canopy gaps allow bats easy acces <u>3</u> Optimal: Streams or ponds (including road available. <u>5</u> Forest Structure: (if hardwoods are absent or 1. Poor: Habitat even aged and young. Trees s <u>2</u> Moderate: some diversity in age of trees in t may be present but rare. <u>3</u> Optimal: Mature forest. Diverse age classes gaps that facilitate bat foraging. <u>1</u> Land Cover: 1. Poor: Square kilometer surrou <u>2</u> Marginal: Trees present in the form of small. <u>3</u> Trees present in the form of small. <u>3</u> Trees present in the form of small. <u>4</u> Marginal: Trees present in the form of small. <u>4</u> Marginal: Trees present in the form of small. <u>3</u> Moderate: Survey of the survey of | propriate score for each habitat charact DBH with sloughing bark or other usable r ther roost features present 5-15 inch DBH with ther roost features present >15 inch DBH with ther roost features present >15 inch DBH with ther roost features present but too cluttered the store ponded areas present but too cluttered to the resource. ruts) present that appear to offer drinking re- mearly absent or if stand is monoculture, are smaller than 5 inch DBH. Understory growt the stand. Trees 5 to 15 inches present. Und the stand. Trees > 15 inch DBH frequer anding site predominantly un-forested. Few I woodlots and wooded fence rows. Little c | eristic) post features (cracks, nin 1000 feet of foreste n 1000 feet of foreste to allow many bats t source throughout th a automatically qual n cluttered and restri erstory clutter domir ent. Varying tree he mature trees presen ponnection to adjacen | , crevices, o ted areas. d areas. o drink eas he majority ifies as a 1 icts flying/ nant but no ight and to t not conn t forested a | etc) sily or simu y of the sur ; poor). 'foraging ot ubiquito reefalls allc ected to otl areas. | ultaneousl mmer. Fly us. Trees ow for free her areas o | ly. No co vways to greater t quent sm of trees. | orridors, resources han 15″ D all openir | are DBH ngs anc |
| Adiana Bat Habitat Characterization (Choose app <u>Roost habitat</u>: 1. Poor: No or few snags >= 5⁴ <u>2. Moderate</u>: Snags with sloughing bark or othe <u>3. Optimal</u>: Snags with sloughing bark or othe <u>Water Resources</u>: 1. Poor: bat drinking resou <u>2. Moderate</u>: Ephemeral or intermittent stream openings or canopy gaps allow bats easy access <u>3. Optimal</u>: Streams or ponds (including road available. <u>5. Forest Structure</u>: (if hardwoods are absent or <u>1. Poor</u>: Habitat even aged and young. Trees s <u>2. Moderate</u>: some diversity in age of trees in t may be present but rare. <u>3. Optimal</u>: Mature forest. Diverse age classes gaps that facilitate bat foraging. <u>1. Land Cover</u>: 1. Poor: Square kilometer surrou <u>2. Marginal</u>: Trees present in the form of smal <u>3. Optimal</u>: Area is largely forested. Wooded <u>7. Total Habitat Score (Should be between 4 & 12)</u> | propriate score for each habitat charact DBH with sloughing bark or other usable re- ther roost features present 5-15 inch DBH with the roost features present >15 inch DBH with the roost features present >15 inch DBH with the roost features present but too cluttered the resource. The resource. The resource of the resource. The resource of the resource of the resource of the resource. The stand is monoculture, are the stand. Trees 5 to 15 inches present. Und the stand. Trees 5 to 15 inches present. Und the stand. Trees > 15 inch DBH freque anding site predominantly un-forested. Few I woodlots and wooded fence rows. Little of stands are connected to other wooded stands | eristic) post features (cracks, nin 1000 feet of foreste n 1000 feet of foreste to allow many bats t source throughout th a automatically qual n cluttered and restri erstory clutter domir ent. Varying tree he mature trees presen ponnection to adjacen to via wooded stream | , crevices, o ted areas. d areas. o drink eas he majority ifies as a 1 icts flying/ nant but no ight and to t not connot t forested a n, fence roo | etc) sily or simu y of the sur : poor). /foraging ot ubiquito reefalls allc reefalls allc areas. w, or other | ultaneous mmer. Fly us. Trees ow for free her areas o wooded o | ly. No co vways to greater t quent sm. of trees. corridor. | orridors, resources han 15" D all openir | are 0BH ngs anc |
| Adiana Bat Habitat Characterization (Choose apples in the second structure) 3 Roost habitat: 1. Poor: No or few snags >= 5" 2. Moderate: Snags with sloughing bark or othe 3. Optimal: Snags with sloughing bark or othe Water Resources: 1. Poor: bat drinking resources: 2. Moderate: Ephemeral or intermittent stream openings or canopy gaps allow bats easy acces 3. Optimal: Streams or ponds (including road available. 3 Forest Structure: (if hardwoods are absent or 1. Poor: Habitat even aged and young. Trees structure: some diversity in age of trees in the may be present but rare. 3. Optimal: Mature forest. Diverse age classes gaps that facilitate bat foraging. 4 Land Cover: 1. Poor: Square kilometer surrou 2. Marginal: Trees present in the form of smal 3. Optimal: Area is largely forested. Wooded 9 Total Habitat Score (Should be between 4 & 12) | propriate score for each habitat charact DBH with sloughing bark or other usable r ther roost features present 5-15 inch DBH with ther roost features present >15 inch DBH within trees not present at the site. us or ponded areas present but too cluttered is to the resource. ruts) present that appear to offer drinking re- mearly absent or if stand is monoculture, are smaller than 5 inch DBH. Understory growth the stand. Trees 5 to 15 inches present. Under of trees present. Trees > 15 inch DBH frequer anding site predominantly un-forested. Few I woodlots and wooded fence rows. Little c stands are connected to other wooded stand wooded stand | eristic) post features (cracks, nin 1000 feet of foreste n 1000 feet of foreste to allow many bats t source throughout th a automatically qual n cluttered and restri erstory clutter domir ent. Varying tree he mature trees presen ponnection to adjacen to via wooded stream Please retur | , crevices, o ted areas. d areas. o drink eas he majority ifies as a 1 icts flying/ nant but no ight and to t not conn t forested a n, fence roo m to: | etc) sily or simu y of the sur ; poor). 'foraging ot ubiquito reefalls allc areas. w, or other | ultaneousl mmer. Fly us. Trees ow for free her areas o | ly. No co vways to greater t quent sm of trees. corridor. | orridors, resources han 15″ D all openir | are 0BH ngs and |

| inty /Lo | n;UTM | NYE 41 | 186 . | State_ | W/N_ | 82. | 8446 | 2 | Zone | | Datum_N | JAD83 | _ Observe | Resekan | mith A Radel | free | PPEF | RHEAD |
|-----------------------|--|---|--|---|--|---|--|--|--|---|---|--|---------------------|--|-------------------------------|------------|---|------------|
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phase | % | | v | Vax / Wane |
| 1 | 9.10 | EPFU | A | M | S | 17- | 44 | B | 2 | D | | | - | 1 | | Rise | | Set |
| 2 | 11:30 | LABO | 5 | F | NR | 11 | 41 | C | 2 | 0 | - | | 5 | Sun | 1.1 | 040 | 2 | 8'51 |
| 3 | 1:00 | LABO | 7 | F | NR | 11 | 40 | C | | 0 | - | - | 1 | Moon | | 191 | 6 | 0431 |
| 4 | | | 1.75.44 | | [+ | 1100-0 | 12-2-1 | | | | 121 | | 1 | | | | | |
| 5 | | | | | | | | _ | | 1 | | | | Time | Temp (F) | Sky | Wind | No. Bats |
| 6 | | 1 | P. OBMONT | - | 10.53 | _ | | | 10.1 | | Pro | | 1 | Three | ready (r) | eny | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | cio. puio |
| 7 | | | | | 1 | | | | 1 | | 17 <u>1</u> 1 | 1 | 1.00 | 9:00 | 80 | 1 | 1 | 4.00 |
| 8 | - <u> </u> | | | | | · | - | | 1 | 12.22 | | 1 = - + | | 10:00 | 78 | _1 | 1 | 0 |
| 9 | | | | | 1 | | - | - | | | | | - | 11.00 | 78 | 2 | 2 | |
| 10 | Ç | 11 A | | | 1 | · · · · · · · · · · · · · · · · · · · | | - | | | | | 1 | 12:00 | 78 | 1 | 2 | 0 |
| 11 | | | 1 | | 1. 27 | 12 | L | | 10.000 | | | A ROWCING | 1 | 1:00 | 76 | 0 | 2 | 0 |
| 12 | | | | | 1.00 | | | _ | | 1 | | | - | 2:00 | 74 | 0 | 2 | 0 |
| 13 | 1 | 5 | 1.1.1 | | 1 - 2 | | | | | | | | 1 | | | | | |
| 14 | 4. | | _ | | 1 | | | _ | 1.1.1.1 | | | _ | | a second (| 1.1.1 | | 1 N | h |
| 15 | | | 1 | | | | | | 1.00 | | · · · · · · · · · · · · | 1 | · · · · · | | | | | |
| 16 | | | 2-1 | | | | | | | | | 0 | 17 2.1 | 1 | | Sky Code | | |
| 17 | | - | 1.11 | | 1 | - | | _ | | - | | | 1 | 0 | Clear | | - | |
| 18 | | 1 | 1.000 | | 1.000 | | | _ | 100 C | | | | | 1 | Few Cloud | s | | |
| 19 | | | | - | 1 | | | | | · · · · · · · · · · · · · · · · · · · | | | | 2 | Partly Clou | ıdy | | |
| 20 | _ | _ | | | | | | | | _ | | | | 3 | Cloudy or | overcast | | |
| 21 | - 0 | | 1.00 | 1.00 | | | | | | | | 1 | <u></u> | 4 | Fog or smo | ke | | |
| 22 | | | - | - | 1 | - | | | 1.1 | | | | z = z | 5 | Drizzle or l | ight rain | | _ |
| 23 | | | · · · · · | | · · · · · · · · · · · · · · · · · · · | | | | | | - | - | | 6 | Heavy rain | - thunde | r storm | |
| 4 | | | - | - | | - | | | 1 | | | | | | | | | |
| 25 | | | 1.00 | | 1 | | | _ | | | - | | - | - | Beau | tort Wind | Scale | |
| 20 | | _ | - | | | | | | | | | - | | 0 | Calm: <1 n | nph | | |
| 2/ | - | | - | - | - | - | | _ | 1 | | | | | | Light air: 1 | -3 mph | | |
| 20 | | | - | - | - | | - | _ | | | | | | 2 | Light breez | e: 4-6 mp | h | |
| 20 | | | | - | - | | - | | | - | | | | 3 | Gentle bree | ze: 7-10 1 | nph | _ |
| 50 | - | | | | | | | _ | | | | | | 4 | Moderate b | reeze: 11 | -16 mph | |
| pecie oreal MYA | es Abbre is (LABC U); Myot D): Nyctic | viations: Coryne); Lasiurus cine is grisescens (M ceius humeralis | orhinus r reus (LA YGR); M (NYHU) | afinesqu CI); Lasi yotis leil ; Perimy | iii (CORA urus sem bii (MYLI /otis subf |); Coryr inolus (l E); Myot lavus (P | norhinus t. .ASE); Lasi is lucifugus ESU); Tada | virginia onycter (MYLU rida bra | nus (COVI is noctivag J); Myotis s siliensis (T |); Eptesic ans (LAN septentric 'ABR) | us fuscus (E IO); Myotis onalis (MYSI | PFU); Lasiun austroriparin E); Myotis so | rus us odalis | Please Ret P.O. Box 7 (859) 925- | urn to: 3, Paint L 9012 | ick, KY | , 40461. | |

.

| ite N ite L Coun at/L | o ocation tySe on ; UTM | 6 Noellot neca I: NYE 41. | Project Sou | No./N HA o State_ | Jame | 712 | Time Up | En 813 | Zone | ne Down | Datum | JAD83 | Date | ers Eric | Smit | heo | C | |
|--------------------------------|----------------------------------|---------------------------------------|----------------|-------------------------|---------|-------------|-----------|-----------|---------------|---------|---------|---------------|-----------------|------------|--------------|-------------|----------|------------|
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | e % | 10.00 | v | Vax / Wane |
| 1 | 9.05 | EFFU | A | M | 5 | n | 44 | R | 2 | - | | | | | | Rise | | Set |
| 2 | 10:00 | LABO | J | M | NR | 9 | 27 | C | 4 | | t | | 10.000 | Sun | | - | | 8:44 |
| 3 | 12:30 | 1.ABU | 5 | F | MR | 11 | 40 | R | 4 | 5 | | | | Moon | | | | 100000 |
| 4 | | | | | | | | | | | | | | | and. | | | |
| 5 | 1 | | 10000 | | 1 | | | 10- | | | | | 1 | Time | Tomp (F) | Sky | Wind | No Bate |
| 6 | | | | | | | | - Alfa | | - | | P | 1.00 | Inne | Temp (r) | Зку | wind | NO. Dats |
| 7 | | | | 1 | 11 | | | | | | | | | 9:00 | 78 | 1 | 2 | 1 |
| 8 | 1====2 | · · · · · · · · · · · · · · · · · · · | | 6 | () | 1 | | - | 1 | | 1 | | | 10:00 | Tin | 0 | 2 | 1 |
| 9 | | | 1 | | | 1.1 | 173 × 723 | , N. | | - | | | | 11:00 | 71 | 0 | 2 | 0 |
| 0 | | | | | 1 | | | 0.00 | | | 1 | | | 12:00 | 71 | 1 | 2 | 1 |
| 1 | | | 12 | | | 1 | | | 1 | | | | - | 1:00 | 71 | | 2 | 0 |
| 2 | | | - | 1-2-1 | | | | | | | 1 | | | 2:00 | 68 | 1 | 2 | 0 |
| 3 | | | - | | 3 | | 1. | _ | | | 1 I | 1 | | | A second | | | |
| 4 | 1 | | - | 1 | in a | | | | | | 1 | - | 1000 | 1 | | | | |
| 5 | 1.00 | | - | 1 | 4.5 | | | - | 1 | - | | | | | | | _ | |
| 6 | 1 | | | Q | | | | | | | | | | | 1.0 | Sky Code | | |
| 7 | 1 | | | | | - | | - | | | 1.00 | | | 0 | Clear | | | |
| 8 | | | - | | | | | _ | 1 | _ | 1.1 | | | 1 | Few Cloud | S | | |
| 9 | | | - | | 1 | - | | | - | | | | 42 | 2 | Partly Clou | ıdy | | |
| 20 | _ | | - | | | - | | _ | | | | | | 3 | Cloudy or | overcast | | |
| 1 | | | | _ | | _ | - | - | | 1 | i 1 (| | 1 | 4 | Fog or smo | oke | | |
| 2 | | | | 1.000 | 1 | | | | | - | J | | | 5 | Drizzle or | light rain | | |
| 3 | | | | | | - | | | | | | | · · · · · · · · | 6 | Heavy rain | - thunde | r storm | |
| 4 | | | - | | | 1 | | | | | - | - | | - | | | | |
| 5 | - | | | | - | 1 | | - | _ | - | | | 1 | | Beau | fort Wind | Scale | |
| 0 | | | | | 1000 | 12-14 | | - | | | | | - | 0 | Calm: <1 n | nph | | |
| 8 | | | - | | | _ | | | | - | - | | | 1 | Light air: 1 | -3 mph | | |
| 9 | | | | 1 | | - | | - | | | | | - | 2 | Light breez | e: 4-6 mp | h | |
| 0 | | | - | - | | | | - | | 1 | | | | 3 | Gentle bree | eze: 7-10 1 | nph | |
| 0 | tic Sur | ov: Unit tro | | | IInit # | | Data | | Ctowt Lin | | | Chan time - | | 4 | Moderate b | preeze: 11 | -16 mph | |
| ou | Suc Surv | ey. Onit typ | e | | Unit #_ | | Date | | Start tin | | | Stop time | | DI. D | | - | | |
| | | | | | | | Date | | Start tin | | | Stop time | | Please Re | turn to: | 1.1.10 | 10100 | |
| anti | | ina | | | | _ | Carel | - | Start tin | ie | - | Stop time | - | P.O. Box | 3, Paint L | JCK, KY | , 40461. | |
| eat | reproof | nig | | - | | | Coordin | ates | | | | _ | - | (859) 925- | 9012 | | | |
| mr | nents: | | | | | | | | | | | | | | | | | p. 2 |

.

| at/ Lott, O INLINE II. (V) | 2.84962 | 100 | Zone - | _ | Observers | Enc | Smit | h | | | |
|---|--|--|--|--|---|--|--|---|---|---|------------------------|
| Datum: NADE3 County Senecce | State OH | Ouad | Flat | Rock | | | | | | | |
| lite Diagram: | | Height | Length | - Ma | 1 | | Domi | nant Ve | getation | - | |
| art a trade man | Ne | t (m) | (m) | Dates | 1. Red M | nole | | 4. | 0 | | |
| | A | 6 | 6 | 7/29 7/31 | 2. Shappa | rk | | 5. | | | |
| | В | 9 | 9 | 7/29 7/31 | 3. Elm | | | 6 | | | |
| | C | 6 | 6 | 7/29,7/31 | | | 1.1 | 00.1 | 1.1.4.1.1 | | |
| | D | 6 | 6 | 7/29.7/31 | 1 | | Net | Set by F | labitat | | |
| 11 | E | | 1.11.2 | | Habitat | A | B | C | D | E | F |
| | F | 1 | 1.000 | 10 ft | River | | 1 | 1 | | | |
| | - U.C. | | | 1 | Stream | | | | 12.2.16 | | - |
| | 1.5 | | | | Pond | | | | | | |
| R | Site | Photog | raphs | | Corridor | x | X | X | X | (Come G | |
| 19 | Car | nera: | | | Cave | | 1 ····· | | 1 | 11 1000 | - |
| | Pho | to Log: | | | Mine | | 21 | | | 11 2 3 6 | |
| 11 | 19- | _ | | | Forest | | | | | | |
| | -9 | | | | Gap | 1 · · · · · · · · · · · · · · · · · · · | | | | | |
| | <u> </u> | | | | Other | | 1 | | | 1.000 | |
| diana Dat Habitat Characterization (Choose ap | propriate score | IUI Eaci | | | | | | | | | |
| <u>Roost habitat</u>: 1. Poor: No or few snags >= 5' <u>2. Moderate</u>: Snags with sloughing bark or oth <u>3. Optimal</u>: Snags with sloughing bark or other | DBH with sloug ner roost features r roost features p | hing bar present s | k or othe 5-15 inch 15 inch D | r usable roost fea DBH within 1000 BH within 1000 f | tures (cracks,) feet of forest eet of forestec | crevices, ed areas. I areas. | etc) | | | | |
| <u>Roost habitat</u>: 1. Poor: No or few snags >= 5 2. Moderate: Snags with sloughing bark or oth 3. Optimal: Snags with sloughing bark or othe <u>Water Resources</u>: 1. Poor: bat drinking resou 2. Moderate: Ephemeral or intermittent stream openings or canopy gaps allow bats easy acces 3. Optimal: Streams or ponds (including road | DBH with sloug per roost features r roost features p present present s or ponded area to the resource. ruts) present that | thing bar present s resent > at the site s presen appear t | k or othe 5-15 inch 15 inch D e. t but too o to offer di | r usable roost fea DBH within 1000 BH within 1000 f cluttered to allow rinking resource | tures (cracks,) feet of forest eet of forestec y many bats to throughout th | crevices, ed areas. I areas. o drink ea: ne majorit | etc) sily or simi | ultaneous mmer. Fl | sly. No co | orridors, resource: | sare |
| <u>Roost habitat</u>: 1. Poor: No or few snags >= 5 2. Moderate: Snags with sloughing bark or oth 3. Optimal: Snags with sloughing bark or othe <u>Water Resources</u>: 1. Poor: bat drinking resou 2. Moderate: Ephemeral or intermittent stream openings or canopy gaps allow bats easy acces 3. Optimal: Streams or ponds (including road available. | DBH with sloug per roost features r roost features p arces not present as or ponded area s to the resource. ruts) present that | hing bar present ! resent > at the site s presen appear t | k or othe 5-15 inch D 15 inch D e. t but too o to offer dr | r usable roost fea DBH within 1000 BH within 1000 f cluttered to allow | tures (cracks,) feet of forest eet of forestec y many bats to throughout th | crevices, ed areas. I areas. o drink ea: ne majorit <u>i</u> | etc) sily or simi y of the sur | ultaneou: mmer. Fl | sly. No cc lyways to | orridors, resource: | s are |
| <u>Roost habitat</u>: 1. Poor: No or few snags >= 5 2. Moderate: Snags with sloughing bark or oth 3. Optimal: Snags with sloughing bark or oth <u>Water Resources</u>: 1. Poor: bat drinking resou 2. Moderate: Ephemeral or intermittent strean openings or canopy gaps allow bats easy acces 3. Optimal: Streams or ponds (including road available. <u>Forest Structure</u>: (if hardwoods are absent or 1. Poor: Habitat even aged and young. Trees s 2. Moderate: some diversity in age of trees in may be present but rare. | DBH with sloug ber roost features p rroes not present a so or ponded area to the resource. ruts) present that nearly absent or smaller than 5 income the stand. Trees 5 | thing bar present ? resent > at the site s presen appear t h DBH. b to 15 inc | k or othe 5-15 inch 15 inch D e. t but too o to offer dr s monocu Understo ches pres | r usable roost fea DBH within 1000 BH within 1000 f cluttered to allow rinking resource alture, area autom ory growth clutter ent. Understory | tures (cracks,) feet of foreste eet of forestec many bats to throughout th natically quali red and restric clutter domin | crevices, ed areas. I areas. o drink eas ne majority fies as a 1 cts flying/ ant but no | etc) sily or simu y of the sur : poor). /foraging ot ubiquito | ultaneou: mmer. Fl us. Tree: | sly. No co lyways to s greater t | orridors, resources han 15" [| s are DBH |
| <u>Roost habitat</u>: 1. Poor: No or few snags >= 5 2. Moderate: Snags with sloughing bark or oth 3. Optimal: Snags with sloughing bark or oth <u>Water Resources</u>: 1. Poor: bat drinking resou 2. Moderate: Ephemeral or intermittent strean openings or canopy gaps allow bats easy acces 3. Optimal: Streams or ponds (including road available. <u>Forest Structure</u>: (if hardwoods are absent or 1. Poor: Habitat even aged and young. Trees s 2. Moderate: some diversity in age of trees in may be present but rare. 3. Optimal: Mature forest. Diverse age classes gaps that facilitate bat foraging. | DBH with sloug ber roost features rr roost features p urces not present is or ponded area is to the resource. ruts) present that nearly absent or smaller than 5 inc the stand. Trees 5 of trees present. | thing bar present ? at the site s presen appear t d DBH. to 15 ind Trees ? | k or othe 5-15 inch D 15 inch D e. t but too o to offer du s monocu Understo ches pres 15 inch D | r usable roost fea DBH within 1000 BH within 1000 f cluttered to allow rinking resource alture, area autom ory growth clutter ent. Understory DBH frequent. Va | tures (cracks,) feet of foreste eet of forestec , many bats to throughout th natically quali red and restric clutter domin rying tree hei | crevices, ed areas. I areas. o drink eas ne majority fies as a 1 cts flying/ ant but no ight and th | etc) sily or simu y of the sur : poor). /foraging ot ubiquito reefalls allo | ultaneou: mmer. Fl us. Tree: ow for fre | sly. No co lyways to s greater t equent sm | orridors, resources han 15" [all openin | s are DBH ngs ar |
| <u>Roost habitat</u>: 1. Poor: No or few snags >= 5 2. Moderate: Snags with sloughing bark or oth 3. Optimal: Snags with sloughing bark or oth <u>Water Resources</u>: 1. Poor: bat drinking resou 2. Moderate: Ephemeral or intermittent stream openings or canopy gaps allow bats easy accer 3. Optimal: Streams or ponds (including road available. <u>Forest Structure</u>: (if hardwoods are absent or 1. Poor: Habitat even aged and young. Trees s 2. Moderate: some diversity in age of trees in may be present but rare. 3. Optimal: Mature forest. Diverse age classes gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer surrou 2. Marginal: Trees present in the form of smal 3. Optimal: Area is largely forested. Wooded | DBH with sloug per roost features r roost features p inces not present a so or ponded area is to the resource. ruts) present that nearly absent or smaller than 5 inc the stand. Trees 5 of trees present. Inding site predo ll woodlots and w stands are conne | thing bar present s resent s at the site s presen appear t if stand is h DBH. to 15 ind Trees s minantly coded for cted to o | k or othe 5-15 inch 15 inch D e. t but too o to offer di s monocu Understo ches pres 15 inch D 7 un-fores ence rows ther woo | r usable roost fea DBH within 1000 BH within 1000 f cluttered to allow rinking resource alture, area auton ory growth clutten ent. Understory DBH frequent. Va sted. Few mature s. Little connection ded stands via w | tures (cracks,) feet of foreste eet of forested many bats to throughout th natically quali red and restric clutter domin rying tree hei trees present on to adjacent ooded stream | crevices, ed areas. 1 areas. o drink eas ne majority fies as a 1 cts flying/ ant but no ight and th t not conn forested a t, fence ro | etc) sily or simu y of the sur foraging ot ubiquito reefalls allo ected to oth areas. w, or other | ultaneous mmer. Fl us. Trees ow for fre her areas | sly. No co lyways to s greater t equent sm of trees. corridor. | orridors, resources han 15" I all openin | s are DBH ngs an |
| <u>Roost habitat</u>: 1. Poor: No or few snags >= 5 2. Moderate: Snags with sloughing bark or oth 3. Optimal: Snags with sloughing bark or oth <u>Water Resources</u>: 1. Poor: bat drinking resou 2. Moderate: Ephemeral or intermittent strean openings or canopy gaps allow bats easy accer 3. Optimal: Streams or ponds (including road available. <u>Forest Structure</u>: (if hardwoods are absent or 1. Poor: Habitat even aged and young. Trees : 2. Moderate: some diversity in age of trees in may be present but rare. 3. Optimal: Mature forest. Diverse age classes gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer surrou 2. Marginal: Trees present in the form of smal 3. Optimal: Area is largely forested. Wooded | DBH with sloug er roost features r roost features p inces not present a so or ponded area is to the resource. ruts) present that nearly absent or smaller than 5 inc the stand. Trees 5 of trees present. Inding site predo Il woodlots and w stands are conne | thing bar present s resent s at the site s presen appear t if stand is h DBH. to 15 ind Trees > minantly cooded for cted to o | k or othe 5-15 inch D e. t but too o to offer di s monocu Understo ches pres 15 inch D 7 un-fores ence rows ther woo | r usable roost fea DBH within 1000 BH within 1000 f cluttered to allow rinking resource alture, area auton ory growth clutter ent. Understory DBH frequent. Va sted. Few mature s. Little connection ded stands via w | tures (cracks,) feet of foreste eet of forested r many bats to throughout the natically quali- red and restric clutter domin rying tree hei trees present on to adjacent ooded stream Please retur | crevices, ed areas. I areas. o drink eas ne majority fies as a 1 cts flying/ ant but no ight and th t not conn forested a t, fence row n to: | etc) sily or simu y of the sur foraging ot ubiquito reefalls allo ected to oth areas. w, or other | ultaneous mmer. Fl us. Trees ow for fre her areas | sly. No co lyways to s greater t equent sm of trees. corridor. | orridors, resources han 15" I all openin | s are DBH ngs an |
| <u>3</u> <u>Roost habitat</u>: 1. Poor: No or few snags >= 5 <u>2</u>. Moderate: Snags with sloughing bark or oth <u>3</u>. Optimal: Snags with sloughing bark or oth <u>Water Resources</u>: 1. Poor: bat drinking resou <u>2</u>. Moderate: Ephemeral or intermittent strean openings or canopy gaps allow bats easy accer <u>3</u>. Optimal: Streams or ponds (including road available. <u>7</u> Forest Structure: (if hardwoods are absent or <u>1</u>. Poor: Habitat even aged and young. Trees : <u>2</u>. Moderate: some diversity in age of trees in 1 may be present but rare. <u>3</u>. Optimal: Mature forest. Diverse age classes gaps that facilitate bat foraging. <u>7</u> Land Cover: <u>1</u>. Poor: Square kilometer surror <u>2</u>. Marginal: Trees present in the form of smal <u>3</u>. Optimal: Area is largely forested. Wooded <u>8</u> Total Habitat Score (Should be between 4 & 12) omments: | DBH with sloug er roost features p inces not present a so or ponded area is to the resource. ruts) present that nearly absent or smaller than 5 inc the stand. Trees 5 of trees present. Inding site predo Il woodlots and w stands are conne | thing bar present s resent s at the site s presen appear t appear t f stand is h DBH. to 15 ind Trees > minantly cooded for cted to o | k or othe 5-15 inch D e. t but too o to offer di s monocu Understo ches pres 15 inch D 7 un-fores ence rows ther woo | r usable roost fea DBH within 1000 BH within 1000 f cluttered to allow rinking resource alture, area auton ory growth clutter ent. Understory DBH frequent. Va sted. Few mature s. Little connection ded stands via w | tures (cracks,) feet of foreste eet of forested many bats to throughout th natically quali- red and restric clutter domin rying tree hei trees present on to adjacent ooded stream Please retur P.O. Box 73. | crevices, ed areas. I areas. o drink eas ne majority fies as a 1 cts flying/ ant but no ight and th i not conn forested a n, fence row n to: Paint Liel | etc) sily or simu y of the sur foraging ot ubiquito reefalls allo ected to other areas. w, or other k, KY, 4046 | ultaneous mmer. Fl us. Trees ow for fre her areas wooded | sly. No co lyways to s greater t equent sm of trees. corridor. | orridors, resources han 15" I all openin | s are DBH ngs an |

| | Count Lat/L | ty <u>JN</u> on; UTN | MNYE_41.2 | 1528 | State_ | Wyn_ | 82. | Time UI 865 | 12 | Zone | ne Down | nOIS Datum | 2 JAD83 | Observe | Print | eticl | - co | PPEI | |
|-----|----------------|-------------------------|---------------|-------|--------|---------|-------------|----------------|------|---------------|---------|---------------|-----------------|---------|------------|--------------|------------|----------|-----------|
| | # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | e 85 % | | (| Vax / Was |
| Ī | 1 | 2119 | LABO | A | 8 | PL | 11,75 | 39.5 | D | 6.0 | 0 | | ~ | - | 1 | | Rise | | Set |
| 1 | 2 | 2205 | CPFU | A | m | S | 1725 | 48.0 | 3 | 15 | 0 | - | | | Sun | | 060 | 22 | 2050 |
| ų, | 3 | 2207 | LABO | J | F | NR | 10,5 | 40.1 | C | 1.5 | 0 | - | Y | - | Moon | | 1911 | 0 | 0431 |
| | 4 | 2207 | LABO | A | F | E | 13.25 | 41.0 | C | 1.0 | 0 | - | | - | | | | | |
| ς. | 5 | 2210 | EFFU | 5 | M | NR | 146 | 47 | D | 1.5 | 0. | 1 | ~ | | Time | Tomm (D) | Char | TAR- 1 | N. D. |
| • | 6 | 2245 | ERFU | A | M | 5 | 1625 | 45 | B | 25 | 0 | | - | - | Time | Temp (F) | Sky | wind | No. Bat |
| 1 L | 7 | 82417 | EPFU | A | M | 5 | 16.0 | 43 | C | 1.0 | 0 | - | - | | 2100 | 81 | O | O | 1 |
| L | 8 | 8247 | EPFU | J | m | NR | -17.0 | 47 | C | 1.0 | 0 | | | | - 2200 | 80 | 1 | 0 | 0 |
| | 9 | 2253 | EPFU | 1 | F | NR | 20,75 | 49 | D | 40 | Ö | 1 | - | | 2300 | 79 | 2 | 2 | 3 |
| L | 10 | 2253 | FLEA | A | VM | 5 | 19.0 | 47.5 | D | 50 | 0 | | 5 | ~ | 0000 | 17 | O | T | 2 |
| | 11 | 2310 | EPPU | A | M | 5 | 10.D | 410 | D | 50 | () | | - | ~ | 0100 | 72 | G | 1 | 1 |
| L | 12 | 233 | EPFU. | T | m | NR | 140 | 46 | B | 10 | D | 1 | _ | - | 0200 | 70 | Õ | 1 | - |
| | 13 | 2335 | EPFU | A | M | 5 | 16:25 | 47 | B | 5.0 | 0 | / | 1 | 1 | | 1 min 2 mil | - | | |
| L | 14 | 0040 | EPFU | T | YN . | NR | 13.5 | 47 | D | 2.0 | 0 | 1 | - | | | | | | |
| | 15 | 0051 | EFFO | 2 | M | - | | | B | 4.0 | - | - | 2 | | 1 | | | | - |
| | 16 | 0158 | EPFU | J | m | NR | 17.5 | 47 | B | 4.0 | 0 | | | | | | Sky Code | | |
| | 17 | OISS | EPFU | 5 | n | NR | 17.5 | 49 | B | 2.5 | G | / | \sim | 0 | 0 | Clear | | | |
| L | 18 | 0200 | LADO | IJ | F | NN | 7,75 | 39 | D | 50 | 0 | ~ | - | | 1 | Few Cloud | s | | |
| | 19 | 1. Sec. 19. | | 25.51 | 0.73 | 12 | 1 | | | | 1212 | 1 | | | 2 | Partly Clou | ıdy | | |
| | 20 | [| | | | | | 1 | | 1 | | | 100 million - 1 | | 3 | Cloudy or | overcast | | |
| L | 21 | 1.11 | | | | | | | 1 | | 0 | | | | 4 | Fog or smo | ke | 1.1 | |
| L | 22 | | | 1 | 1 | har | | | | | | | | | 5 | Drizzle or | light rain | | |
| L | 23 | 1 | | 100 | 1 | 1.000 | 2 | | | 1: | | | | | 6 | Heavy rain | - thunde | r storm | |
| | 24 | | | | | 1 | | | - | 1 | | 1 | | 1.00 | | | | _ | |
| | 25 | | | | | | | | - | 1 | | | | | 1211 | Beau | fort Wind | I Scale | |
| L | 26 | | - | | | | | | | | | | | | 0 | Calm: <1 n | ıph | | |
| | 27 | | | 1.1 | | - | £ | | | 1 | | | | | 1 | Light air: 1 | -3 mph | | |
| L | 28 | $\equiv -1$ | | | | 10-20 | 1 1 | | | | | | | | 2 | Light breez | e: 4-6 mp | h | |
| L | 29 | 1 | | 1 | | | | A-6-51 | | | | - | | | 3 | Gentle bree | ze: 7-10 r | nph | |
| | 30 | | | 1.1.1 | | - | | 1.00 | | | | | -1 | | 4 | Moderate b | reeze: 11 | -16 mph | |
| F | cous | stic Surv | ey: Unit type | 2 | | Unit #_ | | Date | - | Start tim | ne | | Stop time_ | - | 1 | 1 | | | |
| | | | | | | | | Date | | Start tim | ne | | Stop time_ | | Please Re | turn to: | | 0 | _ |
| | 1.5 | dia dia dia | | | | | | Date | _ | Start tim | ie | | Stop time_ | | P.O. Box 7 | 73, Paint L | ick, KY | , 40461. | |
| V | Veath | nerproof | ing | | | | | Coordin | ates | | | | | | (859) 925- | 9012 | | and some | |

.

| _ | | 1: N/E_40 | 25.2 | \$O | _W/N_ | 42 | . 865 | 72 | Zone | ne Down | Datum_ | VAD83 | Observe | rs P. Sco H. BI | raumer | reree | PPE | 7 9 |
|-----|--------|-----------|-----------|-----|-------|-------------|---------|------|---------------|---------|---------|---------------|---------|--|--------------|-------------|----------|------------|
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WINDER | G/H/B/T | Band# Type | Freq. | Moon Phase | 100% | Blue n | MOON (| Vax) W |
| 1 | 2125 | EPFU | A | M | SC | 14.0 | 45.0 | D | 5.0 | 0 | | | - | | | Rise | | Se |
| 2 | 2143 | EPFU | A | M | NR | 18.0 | 48.0 | 0 | 6.5 | 0 | - | 1 | ~ | Sun 🛠 | | 862 | 17 | 205 |
| 3 | 2143 | LABO | Ť | F | NR | 13.0 | 39.0 | P | 4.0 | 0 | | | - | Moon | 3 | 20 | 50 | CGH |
| 4 | 8215 | EPFU | A | F | NR | 215 | 48.5 | D | 3.5 | 0 | - | | | 2 | | | | |
| 5 | 2215 | EPFU | A | F | A | 22.5 | 50.0 | D | 4.0 | 0 | - | | ~ | Time | Town (T) | chi | Mr. J | |
| 6 | 2215 | EPFU | A | AA | 50 | 14,5 | 46.0 | D | 4.5 | 0 | - | | - | Time | Temp (F) | БКУ | wind | NO. I |
| 7 | 2210 | EPEU | T | M | NR | 15.5 | 48.0 | C | 2.5 | 0 | 1 | | | 8100 | 760 | 0 | 0 | 3 |
| 8 | 2210 | EPPU | R | M | NZ | 18.25 | 47.0 | C | 3.0 | 0 | - | | | 2200 | 72 | 0 | 0 | 14 |
| 9 | 2205 | EPFU | A | M | SC | 14.25 | 44.0 | B | 3.5 | 0 | | | | 2300 | 72 | 2 | 0 | 3 |
| 10_ | 2219 | LABO | J | F | NR | 14.0 | 45.0 | D | 2.5 | 0 | 1 | | 1 | 0000 | 69 | 2 | V | 2 |
| 11 | 2216 | EPFU | A | M | SC | 17.0 | 45.0 | P | 4.0 | 0 | | - | | 0100 | 67 | 0 | N | 0 |
| 12 | 2250 | EPFU | A | F | PL | 21.5 | 50.0 | D | 510 | 0 | | | l. | 0200 | 65 | Ø | ×. | 0 |
| 13 | 2220 | EPFU | a | F | NR | 19.0 | 47.0 | P | 35 | 0 | 1 | | | | | | | |
| 14 | 2250 | EPFU | 5 | M | NR | 18.9 | 49.0 | P | 4.0 | 0 | | | | 1 | | | | 10 |
| 15 | 2250 | EPFU | J. | M | NR | 15.75 | 46.0 | D | 45 | 0 | | | | And and a second se | | - | | |
| 16 | 2255 | EPFU | A | M | NR | 18,5 | 47.0 | C | 0.5 | 0 | | | | · · · · · · · · · · · · · · · · · · · | 200 | Sky Code | 2 | |
| 17 | 2255 | LABD | A | F | NR | 120 | 46.0 | C | 1.0 | 0 | | | - | 0 | Clear | | | |
| 18 | 2300 | FPFU | J | F | NR | 18.5 | 46.0 | E | 4.0 | 0 | | | | 1 | Few Cloud | ls | | |
| 19 | 2305 | EPFU | 5 | F | NR | 20.75 | 49.0 | D | 7.0 | 0 | | | | 2 | Partly Clo | udy | | |
| 20 | 233D | EPFU | J. | M | NR | 13.0 | 45.0 | E | 0.5 | 0 | - | | | 3 | Cloudy or | overcast | 1.1. | |
| 21 | 0025 | LABO | 5 | F | NR | 10.5 | 44 | D | 2.5 | 0 | - | | | - 4 | Fog or smo | oke | 1.00 | |
| 22 | 0045 | EPFU | 4. | M | NR | 1675 | 46.0 | E | 3.0 | 0 | - | | | 5 | Drizzle or | light rain | N | |
| 23 | 12,214 | | | | | | | | 1 | - | | 1 | 1 - 1 | 6 | Heavy rain | - thunde | er storm | |
| 24 | 12 | | 1 | E | | - | | 1.00 | | | | (| 1 | | | | | |
| 25 | 1.000 | | | | | 1 | | | | | | 1 | · Y | | Beau | fort Wine | d Scale | |
| 26 | 1 | | | | 12 | | | | | | | 1 | | 0 | Calm: <1 r | nph | | |
| 27 | 1 | | Marine I. | | 1 | | | | | | | 1 | | 1 | Light air: 1 | -3 mph | | |
| 28 | | | | | | | 2 = -1 | - | | 1 | | | | 2 | Light breez | ze: 4-6 mp | h | |
| 29 | | | 1.1.1.1 | | | | 1 | | | · | | | | 3 | Gentle bree | eze: 7-10 1 | mph | |
| 30 | | | | | | | | | 1.000 | | | 1 | | 4 | Moderate l | preeze: 11 | -16 mph | _ |

\$ 150

| at/Lon; UTM: N/E 41, 25280 W/N 82.81 | 0572 Zo | ne — | Observers | Tive | tich | | | | 10- |
|--|--|--|---|---|--|---|--|---|-------------------------|
| atum: NIAD83 County Server St | ate OH Quad 0 | ellevie | | A. 1A | CLARK | ance 18 | 1 | 14/1 | E |
| ite Diagram: | Height Le | ngth | 1 | 1 | Domin | ant Veg | etation | | a Dra |
| 11 m + - + - + - + - + - + - + - + - | Net (m) (| (m) Dates | 1.3.00 | GVA | | 4. Cel | tis 1 | recide | Atali |
| autor H | A 52 | N. TVA | 2. F. Sex | Anna | | 5. Cours | 101 + | what | n a |
| | B 5 2 1 | 10 7134 | 3. A. Sa | aharu | ma - | 6.12010 | ina | Mack | 11 |
| total to be to be | C 5.2 | 2 7/29 | | | | - beberg | | | |
| E C | D 7.8 0 | 1 7/24 | 1. | | Net S | Set by Ha | abitat | | |
| | E 5.2 6 | 5 7/31 | Habitat | A | В | C | D | E | F |
| A REALIZED A CAR | F | 1 | River | | | | - | 100 A 14 | 1 |
| | A Carlo Carlos Carlos | | Stream | | | | 1 | | 1 |
| 109 2 3 | | | Pond | | | 1 | 1.11 | 1.00 | |
| 1 | Site Photograph | hs all and | Corridor | \propto | × | X | X | X | |
| A Manual Contraction | Camera: TP | phone | Cave | | | | | | |
| Contract Spectra | Photo Log: | | Mine | 1 | | 100 | | 1 K | |
| A CORTAN | 14 | | Forest | | | | | | |
| P (Datato provide | W | | Gap | | | | - | 1 | |
| The liver r | l | | Other | | | | | 6 | |
| be and | 2 | | | | | | | () () | |
| <u>A Moderate</u>: I. Poor: No or few snags >= 5" DBH v 2. Moderate: Snags with sloughing bark or other roos | with sloughing bark or at features present 5-15 i | other usable roost fo inch DBH within 10 | eatures (cracks, 00 feet of fores | , crevices, et ted areas. | c) | | | | |
| <u>Koost nabitat</u>: 1. roor: No or few snags >= 5" DBH 1 <u>2. Moderate</u>: Snags with sloughing bark or other roost <u>3. Optimal</u>: Snags with sloughing bark or other roost <u>Water Resources</u>: 1. Poor: bat drinking resources no <u>2. Moderate</u>: Ephemeral or intermittent streams or po openings or canopy gaps allow bats easy access to the <u>3. Optimal</u>: Streams or ponds (including road ruts) pr available. <u>Forest Structure</u>: (if hardwoods are absent or nearly in the stan may be present but rare. <u>3. Optimal</u>: Mature forest. Diverse age classes of trees gaps that facilitate bat foraging. | with sloughing bark or st features present 5-15 in out present at the site. anded areas present but e resource. resent that appear to off absent or if stand is mo- than 5 inch DBH. Under id. Trees 5 to 15 inches s present. Trees > 15 in | other usable roost for inch DBH within 10 ch DBH within 1000 too cluttered to allo fer drinking resource moculture, area auto erstory growth clutt present. Understor ach DBH frequent. M | eatures (cracks, 00 feet of foreste) feet of forester ow many bats to e throughout the matically qual ered and restri y clutter domir /arying tree he | , crevices, et ted areas. d areas. o drink easi he majority ifies as a 1: p icts flying/f nant but not ight and tre | c) ly or simu of the sum poor). oraging ubiquitou efalls allow | ltaneousl nmer. Fly us. Trees ; w for freq | y. No co ways to greater t uuent sm | orridors, resources han 15" E all openir | s are DBH ngs and |
| <u>Roost nabitat</u>: 1. Poor: No or few snags >= 5" DBH 1 <u>2. Moderate</u>: Snags with sloughing bark or other roost <u>3. Optimal</u>: Snags with sloughing bark or other roost <u>Water Resources</u>: 1. Poor: bat drinking resources no <u>2. Moderate</u>: Ephemeral or intermittent streams or po openings or canopy gaps allow bats easy access to the <u>3. Optimal</u>: Streams or ponds (including road ruts) pr available. <u>Forest Structure</u>: (if hardwoods are absent or nearly a <u>1. Poor</u>: Habitat even aged and young. Trees smaller <u>2. Moderate</u>: some diversity in age of trees in the stan may be present but rare. <u>3. Optimal</u>: Mature forest. Diverse age classes of trees gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer surrounding and the form of small wood <u>3. Optimal</u>: Area is largely forested. Wooded stands | with sloughing bark or at features present 5-15 in features present >15 in of present at the site. anded areas present but resource. resent that appear to off absent or if stand is mo- than 5 inch DBH. Unde d. Trees 5 to 15 inches s present. Trees > 15 in site predominantly un- lots and wooded fence are connected to other | other usable roost for inch DBH within 100 ch DBH within 1000 too cluttered to alloc fer drinking resource enoculture, area auto erstory growth clutt present. Understor ach DBH frequent. M forested. Few matur rows. Little connect wooded stands via | eatures (cracks, 00 feet of foreste) feet of foreste ow many bats to e throughout the omatically qual ered and restri y clutter domir /arying tree he re trees presention to adjacen wooded stream Please retur | crevices, et ted areas. d areas. o drink easi he majority ifies as a 1: j icts flying/f hant but not ight and tre t not connect t forested ar n, fence row | c) ly or simu of the sum poor). oraging ubiquitou efalls allow cted to oth reas. , or other | ltaneousl nmer. Fly us. Trees w for freq er areas o wooded c | y. No co ways to greater t uent sm of trees. | orridors, resources han 15" E all openir | s are DBH ngs and |

| | Э. | 8 | Project | t No./N | lame | 412 | 16 | MERSO. | 1 CREE | 15 | | | Date | 7/26/13 | 5 | | - | |
|------------------------|---|--|---|---|--|--|---|--|--|---|---|--|--------------------|------------------------------------|-----------------------------------|-------------|--|------------|
| Lo | cation | STREAM O | FF of | 136 | | | | | | | - | | | | 1000 | | 12 | - |
| unt | y ser | AECA | | State_ | OH | | Time Up | 8:: | 55 Tin | ne Down | 2'00 | | | | 000 | | 10 | 7. |
| /Lo | on ; UTN | 1: N/E 41.1 | 7072 | | _W/N_ | -82. | 89307 | | Zone | | Datum_ | JAD83 | Observe | rs MTM, | KKK | - C o | PPEF | HEAD |
| | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | se 50 % | | C | Wax / Want |
| | 9:10 | LABO | A | F | PL | 14 | 41 | C | 3 | 0 | - | | - | | | Rise | | Set |
| | 9:45 | FPFU | A | F | PL | 17 | 47 | D | 2 | 0 | - | | - | Sun | 1 | 06 | 21 | 9:00 |
| | 10:30 | EPFU | A | F | 8L | 20 | 49 | B | 2 | 0 | 1 | 1 | - | Moon | | 163 | a | 0246 |
| | 11:30 | EPFU | A | F | PL | 20 | 50 | C | 9 | 90 | - | <u></u> | - | 1.000 | | 1.1.1.4 | | 1.00 0.0 |
| ; ; | 11:45 | FPFU | A | F | PL | 21 | 47 | B | | 0 | - | - | - | Time | Temp (F) | Sky | Wind | No Bats |
| | 1.40 | EPFU | A | F | PL | 17 | 48 | C | 8 | 0 | - | - | - | | | | | |
| ' | 12.07 | | | 100 | | | | 1. |) + | | | 1001 | | 9:00 | 73 | 3 | 1 | 2 |
| | · | | | 1 | | | | | 1 | - | | · | | 10:00 | 71 | 3 | N | 1 |
| | 1 J. | | | - | | - | | - | | | | | | 11:00 | 70 | 3 | 1. | à |
| 0 | | | - | | | 1 | | 17.0 | 1 | - | | _ | | 12:00 | 69 | 2 | 1 | 0 |
| 1 | | | | - | | - | | | | | | | - | 1:00 | 66 | Z | 1. | 1 |
| 2 | | | - | | | | | - | | | | | | 2:00 | 60 | 2 | 1-1- | 0 |
| 3 | - | | - | | - | | | | | | | | - | | - | - | - | |
| + | | | - | | | - | | | | | | | - | | 1 | - | L | |
| 5 | | | - | | - | | | - | | - | - | 1 | - | | | Sky Code | | |
| 7 | - | | - | 1 | | - | | | - | - | - | | - | 0 | Clear | ony cour | | |
| 8 | | | | - | 1 | | | | | | · · · · · · · · | | | 1 | Few Cloud | s | | |
| 9 | - | | 1 | | | 1 | | 1 | | | | | | 2 | Partly Clou | ıdv | | |
| 0 | | | | 1 1 | / 1 | | | | | | 1 | | | 3 | Cloudy or | overcast | | |
| 1 | · · · · · | | | | | 1.000 | | <u></u> | 1 | | | | | 4 | Fog or smo | ke | | |
| 2 | $\sim \sim 1$ | | 1. | 1.000 | | 1.00 | | 1. | 110000 | | 1 | | | 5 | Drizzle or | light rain | | |
| 3 | | | - | 6 - T | · | 1.00 | - | | trendtor t | - | | | 10000 | 6 | Heavy rain | - thunde | r storm | |
| 4 | | | | | | 1 | () | 1, | 1 | | | · · · · · · | | | | 5 | | |
| 5 | | 1 | | 2.001 | | 1 Company | | 2000 | | | | | | | Beau | fort Wind | d Scale | |
| 6 | 1 | | | | | | | $f \rightarrow 0$ | 1 | | | | | 0 | Calm: <1 n | nph | | |
| 7 | | | 1 | 1 | | - | | | | | N | · | | 1 | Light air: 1 | -3 mph | | |
| 8 | | | | - | - | | - | | | 1 | | | | 2 | Light breez | ze: 4-6 mp | h | |
| 9 | | | | | | | | | | _ | | | - | 3 | Gentle bree | eze: 7-10 1 | mph | |
|) | $\Gamma = 1$ | 1 | 1.77 | 1111 | (n. 1 | 1.00 | 1 | | | | E | - | P -25. | 4 | Moderate h | preeze: 11 | -16 mph | |
| eci rea YA YS | es Abbre lis (LABC U); Myo O); Nycti | eviations: Coryn D); Lasiurus cine tis grisescens (M iceius humeralis | orhinus r reus (LA IYGR); M (NYHU) | afinesqu CI); Lasi yotis leil ; Perimy | iii (CORA urus sem bii (MYLI votis subf | a); Coryn inolus (L E); Mycti lavus (Pf | orhinus t. ASE); Lasi s lucifugus ESU); Tada | virginia onycter s (MYLU rida bra | nus (COVI is noctivag J); Myotis s siliensis (T |); Eptesic ans (LAN septentric 'ABR) | us fuscus (E IO); Myotis onalis (MYSI | PFU); Lasiur austroripariu E); Myotis so | rus us dalis | Please Re P.O. Box (859) 925 | eturn to: 73, Paint L -9012 | .ick, KY | , 40461. | 7 |

| Site N Site L Coun | lo ocation tv 55 | STREAM | Project | t No./N N36 State | Ditio | 416 | / | B. | SD Tin | ne Down | n 2:00 | <u> </u> | Date_/ | -29-15 | - | - | 2 | 2 |
|--------------------------|------------------------|------------------|---------|-------------------------|---------------------------------------|-------------|--|------|---------------|---------|---------------------------|--|---------------------------------------|--------------------------|---------------------|------------|----------|------------|
| at/L | on ; UTM | 1: N/E <u>4/</u> | .17072 | | _W/N_ | - 8 | 2.8930 | 7 | Zone | _ | Datum_M | JIAD83 | Observe | ersMTM_ | THB | - c o | PPE | RHEAD |
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | e % | 7.1 | ١ | Wax / Wane |
| 1 | 10:50 | EPFUL | A | M | 5 | 20 | 46 | C | 1.5 | 0 | - | | | | | Rise | | Set |
| 2 | | | | A | | 1000 | | | | | · · · · · · · · · · · · · | | · · · · · · · · · · · · · · · · · · · | Sun | | 06 | 22 | 2052 |
| 3 | | | | | | | 1 | | · | | 1 | | | Moon | | 191 | 6 | 0431 |
| 4 | | | 1.0 | | · · · · · · · · · · · · · · · · · · · | | | | [] | | · · · · · | 1 ···································· | | A | 2 | | | 1 22 101 |
| 5 | | | | | | | | | | | | | 2 | Time | Temp (F) | Sky | Wind | No. Bats |
| 7 | | | - | | | - | | | | | - | | | 8:00 | 81 | 2 | 0 | 0 |
| 8 | - | | | | | - | | | | | | | | in'm | 70 | a | 1 | |
| 9 | 1 | | - | 1 | | 1 | | | | | | | | 11:00 | 77 | 1 | 1 | 0 |
| 10 | | | - | | | - | | | | | | | - | 12:00 | 11 | 0 | 3 | 0 |
| 11 | | | | | | | | | | | | | | 18.00 | 21- | 0 | 2 | 2 |
| 12 | | | | | | | | | | | | | | 1.00 | 1.0 | 0 | - | |
| 13 | S | | 1 | S | | | - | | | - | | | | | | - | | |
| 14 | 1 | | | | | 1. | | | | | - | | | | - | | - | |
| 15 | | | | | | 121 | 1.00 | | | | - | | | | | | | |
| 16 | 1 1 | | 1.1.1 | 1.2.1 | 10000 | | | | | - | | | 1.222.00 | | 9 | Sky Code | - | |
| 17 | | | | · · · · · | | | | | · · · · · | | 1 | | 1.000 | 0 | Clear | - | | |
| 18 | | | | | | | - | - | C | - | 1 | | - | 1 | Few Cloud | s | | |
| 19 | 1 | | | | | - | in the second se | | | | | | | 2 | Partly Clou | dy | | |
| 20 | | | | | Y | | | | | | | | | 3 | Cloudy or o | overcast | | |
| 21 | 0 | | 1 | | [] | | 1 | | | | 1 | | 5 | 4 | Fog or smo | ke | | |
| 22 | | | 1 | 1 | | 12.0 | | | | 1 | | | | 5 | Drizzle or l | ight rain | | |
| 23 | 1.00 | | , I | 1.11 | 1 | 1.1 | | | | | 1 | | | 6 | Heavy rain | - thunde | r storm | |
| 24 | | | | | | N | | | | | | 100 | | | - | _ | | |
| 25 | | | | | | | | | S | | | | | | Beau | ort Wind | Scale | |
| 26 | - | - | | | | 11.00 | | | 1 | | | | | 0 | Calm: <1 m | iph | | |
| 27 | | | | | | 1 | · · · · · · | | 1 | | 1 | | | 1 | Light air: 1- | 3 mph | 0.00 | |
| 28 | | | | - | - | | | | | | | 1 | | 2 | Light breez | e: 4-6 mp | h | |
| 9 | | _ | - | | | 1 <u> </u> | | | _ | | | | | 3 | Gentle bree | ze: 7-10 r | nph | _ |
| 50 | | TT | | 2.1. | | 0.10.21 | | 1000 | | | | | | 4 | Moderate b | reeze: 11- | -16 mph | |
| cou | stic Surv | ey: Unit typ | e | | Unit # | - | Date | _ | Start tim | le | 2 | Stop time_ | | - | | | | |
| | | | | | | | Date | | Start tim | e | | Stop time_ | | Please Ret | urn to: | | | |
| leat | herproof | ing | | | | | Date Coordin | ates | Start tim | e | | Stop time_ | | P.O. Box 7 (859) 925- | '3, Paint L 9012 | ick, KY | , 40461. | |
| | nonte. | | | | | | | | | | | | | | | | | |

| 1 liAng | VE 41.17072 | W/N -8: | 2.89307 | | Zone | | - | Observers_ | MTM. | RRR | | | | _ |
|--|---|---|--|---|---|---|---|--|--|--|--|--|--|------------------------|
| Datum: NMV/ | 33 County Sen | eca | State OH | Ouad | Fires | side | | Ac | | 10160 | | | | |
| Site Diagram: | | / | | Height | Length | | | | | Domir | ant Veg | etation | - | |
| - A. | Sayb | eans | Ne | t (m) | (m) | Dat | es | 1. RED OF | ×K. | | 4. BEEC | 4 | | |
| The | ~ ~ ~ / | / | A | 6 | 6 | 7.26 | - (I-) | 2. RED N | ARIT | | 5. Em | | | |
| 1 540 | | | unadol B | 6 | 6 | 7-26 | 7-29 | 3. Cotton | WEDD | | 6 | | | |
| | em . | | C | 9 | 9 | 7-26 | 7-29 | | - | | | 1 | | |
| 17 | YB | In | N D | 6 | 6 | 7-26 | 7-29 | ** * * * * | | Net 2 | bet by H | abitat | E | |
| 1 | 1- | | E | 4 | 4m | 1 | 7-29 | Habitat | А | В | C | D | E | 1 |
| | | ~ \ | F | - | | | _ | River | | | | | | |
| | | | N- | | | - | | Bond | ~ | V | V | | | |
| Carbonne | < | | e City | Photog | ranhs | | - | Corridor | | | | | | |
| Sadoeran | | | Car | mera: | apris | | - 1 | Cave | 1 | | | | | |
| | | | Pho | oto Log: | | | | Mine | | | 1.000 | 2.2.1 | | - |
| | | P D Mang | | 0- | | | = 1 | Forest | | | | 1 | | |
| | | D | | | | | _ | Gap | | | | ~ | | |
| | | - | 1 | | | | - | Other | | | | | | |
| | | • | | | | | | | | | | | | |
| the second second | | | | | _ | | 2.00 | | | | | | | _ |
| 3 Roost ha | abitat: 1. Poor: No or f rate: Snags with slough | tew snags >= 5" D ning bark or other ng bark or other r | BH with sloup roost features | present 5 | k or othe 5-15 inch | usable ro | bost feat | ures (cracks, feet of forest | crevices, e ed areas. | etc) | | | | |
| 3. Optim Water Ro 2. Moder openings 3. Optim available Forest Si 1. Poor: J 2. Moder may be p 3. Optim gaps tha Land Co 2. Margi 3. Optim | nal: Snags with sloughing esources: 1. Poor: bat rate: Ephemeral or inter- s or canopy gaps allow nal: Streams or ponds (inter- tructure: (if hardwood Habitat even aged and rate: some diversity in a present but rare. nal: Mature forest. Diver- t facilitate bat foraging. over: 1. Poor: Square k- nal: Trees present in the nal: Area is largely fore- | drinking resource rmittent streams of bats easy access to including road rut is are absent or new young. Trees sma age of trees in the erse age classes of ilometer surrounce he form of small we ested. Wooded sta | is not present r ponded area o the resource s) present tha arly absent or iller than 5 ind stand. Trees trees present. ing site preda oodlots and y | at the site as present t appear t if stand is th DBH. 5 to 15 ind Trees > ominantly vooded fo | 15 inch D 2. It but too of so offer di s monocu Understo ches prese 15 inch D v un-fores ence rows ther woo | BH within cluttered t rinking res lture, area ry growth ent. Unde BH freque ted. Few 5. Little cc ded stand | a 1000 fe o allow source the a automa cluttere erstory c ent. Van mature ponectio s via we | many bats to many bats to hroughout th atically quali ed and restri- lutter domin rying tree hei trees presen n to adjacent | d areas. o drink eas ne majority ifies as a 1 cts flying/ iant but no ight and tr t not conne t forested a o, fence ro | sily or simu y of the sur poor). foraging ot ubiquitor reefalls allo ected to off areas. w, or other | ultaneous nmer. Fly us. Trees w for free ner areas o wooded | ly. No co ways to s greater fl quent sma of trees. | rridors, resource: nan 15″ I all openii | s are DBH ngs ar |
| 3. Optim Water Re 2. Moder openings 3. Optim available Forest St 1. Poor: 1 2. Moder may be p 3. Optim gaps tha Land Co 2. Margi 3. Optim | nal: Snags with sloughing esources: 1. Poor: bat rate: Ephemeral or inter- s or canopy gaps allow nal: Streams or ponds (in tructure: (if hardwood Habitat even aged and rate: some diversity in present but rare. nal: Mature forest. Diver- t facilitate bat foraging over: 1. Poor: Square k- nal: Trees present in the nal: Area is largely fore | drinking resource rmittent streams of bats easy access to including road rut ls are absent or new young. Trees sma age of trees in the erse age classes of ilometer surrounce he form of small we ested. Wooded sta | s not present r ponded area o the resource s) present tha urly absent or dler than 5 ind stand. Trees trees present. ing site prede oodlots and y nds are conne | at the site as present t appear t if stand is th DBH. 5 to 15 inc Trees > ominantly vooded fe ected to o | 15 inch D 2. t but too of s monocu Understo ches prese 15 inch D v un-fores ence rows ther woo | BH within cluttered t inking res lture, area ry growth ent. Unde BH freque ted. Few ted. Few ted. Few ded stand | a 1000 fe o allow source th a autom a cluttere erstory c ent. Van mature onnectio s via wo | many bats to many bats to hroughout th atically quali- ed and restri- dutter domin rying tree he trees present n to adjacent poded stream | d areas. o drink eas ne majority ifies as a 1 cts flying/ nant but no ight and tr t not conne t not conne t forested a n, fence roo | sily or simu of the sur foraging tubiquitor reefalls allo ected to oth areas. w, or other | ultaneous) nmer. Fly us. Trees w for free ner areas o wooded o | y. No co ways to s greater fl quent sma of trees. corridor. | rridors, resource: han 15″ I all openii | s are DBH ngs ar |
| 3. Optim Water Re 2. Moder openings 3. Optim available Forest Si 1. Poor: J 2. Moder may be p 3. Optim gaps tha Land Co 2. Margi 3. Optim | nal: Snags with sloughing esources: 1. Poor: bat rate: Ephemeral or inter- s or canopy gaps allow nal: Streams or ponds (inter- tructure: (if hardwood Habitat even aged and rate: some diversity in a present but rare. nal: Mature forest. Diver- t facilitate bat foraging. over: 1. Poor: Square k. nal: Trees present in the nal: Area is largely fore with Score (Should be b | drinking resource rmittent streams of bats easy access to including road rut ls are absent or new young. Trees sma age of trees in the erse age classes of ilometer surrounce he form of small we sted. Wooded state petween 4 & 12) | is not present r ponded area of the resource s) present tha arly absent or iller than 5 ind stand. Trees trees present. ing site preda oodlots and v nds are conne | at the site as present t appear t if stand is th DBH. 5 to 15 ind Trees > ominantly vooded fo ected to o | 15 inch D 2. It but too of so offer di s monocu Understo ches prese 15 inch D v un-fores ence rows ther woo | BH within cluttered t rinking res lture, area ry growth ent. Unde BH freque ted. Few 5. Little cc ded stand | a 1000 fe o allow source th a automa cluttere erstory c ent. Van mature ponnectio s via wo | many bats to many bats to hroughout th atically quali ed and restri- dutter domin rying tree hei trees presen n to adjacent poded stream Please retur | d areas. o drink eas ne majority ifies as a 1 cts flying/ iant but no ight and th t not conne t forested a n, fence roo m to: | sily or simu y of the sur poor). foraging ot ubiquitor reefalls allo ected to oth areas. w, or other | ultaneous) nmer. Fly us. Trees w for free ner areas o wooded o | y. No co ways to s greater fl quent sma of trees. corridor. | rridors, resources nan 15″ I all openin | s are DBH ngs ar |
| 3. Optim Water Re 2. Moder openings 3. Optim available Forest Si 1. Poor: 1 2. Moder may be p 3. Optim gaps tha Land Co 2. Margi 3. Optim 1. Poor: 2 3. Optim 2. Moder may be p 3. Optim gaps tha Land Co 2. Margi 3. Optim | nal: Snags with sloughing esources: 1. Poor: bat rate: Ephemeral or inter- s or canopy gaps allow nal: Streams or ponds (in tructure: (if hardwood Habitat even aged and rate: some diversity in a present but rare. nal: Mature forest. Dive t facilitate bat foraging over: 1. Poor: Square k nal: Trees present in the nal: Area is largely fore titat Score (Should be b | drinking resource rmittent streams of bats easy access to including road rut ls are absent or new young. Trees sma age of trees in the erse age classes of ilometer surround he form of small w ested. Wooded sta | s not present r ponded area the resource s) present tha arly absent or iller than 5 ind stand. Trees trees present. ing site preda oodlots and v nds are conno | at the site as present t appear t if stand is th DBH. 5 to 15 ind Trees > ominantly vooded fo ected to o | 15 inch D 2. It but too of s monocu Understo ches prese 15 inch D 7 un-fores ence rows ther woo | BH within cluttered t rinking res lture, area ry growth ent. Unde BH freque ted. Few ted. Few ted. stand | a 1000 fe o allow source th a automa cluttere erstory c ent. Van mature ponnectio s via wo | many bats to many bats to hroughout th atically quali- ed and restri- dutter domin rying tree her trees present n to adjacent boded stream Please retur P.O. Box 73, | d areas. o drink eas ne majority ifies as a 1 cts flying/ iant but no ight and tr t not conne t forested a n, fence row n to: Paint Lick | sily or simu y of the sur poor). foraging of ubiquitor reefalls allo reefalls allo reefalls allo reas. w, or other w, or other | Iltaneous) nmer. Fly us. Trees w for free ner areas o wooded o 1 | y. No co ways to s greater fl quent sma of trees. corridor. | rridors, resources han 15″ I all openin | s are DBH ngs a |

| # | Time | Species | Age | Sex | Repr. | Mass | FA (mm) | Net | Height | WDI | G/H/B/T | Band# | Freq. | Moon Phas | e % | 1141 | | Vax / Wan |
|----|----------|---------------------------------------|-------------------|-----|--------|-------------|---|-----|--|-----------|---------------------------------------|-------|---|-----------|--------------|------------|----------|-----------|
| 1 | 9:20 | 5001 | Λ | 10 | TO | (g) | LILI | D | (m) | 0 | _ | Type | | 100 | | Rise | - | Set |
| 2 | 11:00 | EPFO | H | E | NP | 15 | 45 | D | 5 | 0 | - | - | - | Sun | | 10100 | 21 | 205 |
| 3 | 12:20 | LABO | Δ. | E | PI | 13 | 41 | D | 2 | 0 | - | _ | - | Moon | | (103 | 2 | 024 |
| 4 | 14.30 | -ADC | 10 | - | 1.4 | | | 2 | | | | | 1 | | | cu c | v | |
| 5 | | | - | | | | | | 12 | 1 | | 1.000 | | | T. (T) | C 1 | 117-1 | NI- D- |
| 6 | 1 | | | 1 | | | | | 1 | | P | | | lime | Temp (F) | Sky | Wind | No. Bat |
| 7 | | · · · · · · · · · · · · · · · · · · · | - | | 12.221 | · · · · · · | | | 1 | | | | | 9:00 | 75 | 3 | 1 | -1- |
| 8 | | | | | 1 | 1-2-1 | | | | | | | | 10:00 | 72 | 3 | 1 | 0 |
| 9 | 1 | | 1 | 181 | | 1.000 | | - | 1 | | 1 | | | 11:00 | 70 | 3 | 0 | 1 |
| 10 | | | | | | | | | | | | | | 12:00 | 67 | 3 | 0 | 1 |
| 11 | 1000 | 7 | 1 | - | 2 | | 1 | | - | | | | 1 | -1:00 | 66 | a | 0 | G |
| 12 | | | 1.00 | - | | 2-22 | | | 1 | Tellin (1 | | | | 01,00 | 64 | 2 | 0 | 0 |
| 13 | 0 | | 1 | 1 | 12.0 | lan at | | | | A | · · · · | | | 1 | 1.000 | | | |
| 14 | 1 | | | | | 1 | | | | | | | | | | | | |
| 15 | | | · · · · · · · · · | | 5 | F | 1 | | | | | | | | | | | |
| 16 | | | 1 | | | | · · · · · · · · · · · · · · · · · · · | | 1 | | | | 102.0 | | | Sky Code | | |
| 17 | | 2 | 1 | | 11.4 | | | | | | | | | 0 | Clear | | | |
| 18 | | | | | | | | | | | | 1 | | 1 | Few Cloud | S | | |
| 19 | | | | | 1 | (| 1 | - | 1 | 100 | 1 | 1 | J1 | 2 | Partly Clou | idy | | |
| 20 | li en li | | | | | 1 | | | | | | | | 3 | Cloudy or | overcast | | |
| 21 | | | | | | 1 | · · · · · · · · · · · · · · · · · · · | | · | | | | - | 4 | Fog or smo | ke | | |
| 22 | 1 | | | | | 1 | | | | | | | | 5 | Drizzle or | light rain | | |
| 23 | L | | 1 | | 11.11 | 1.11 | | 1.1 | 1. | 1.00 | 1.00 | | | 6 | Heavy rair | - thunde | er storm | |
| 24 | 1 | | - | | 1 mart | | | | 1.000 | 1.000 | | | - · · · · · · · · · · · · · · · · · · · | | | | | |
| 25 | lin T. | | | | 0 | 1.00 | 1. A. | _ | · · · · · · · · | 1 | | | | | Beau | fort Wind | d Scale | |
| 26 | 1 | A | - | | 1.0 | | | | | 1 | | 1 | | 0 | Calm: <1 n | nph | | |
| 27 | 1.1.1 | 1 | | _ | | | 1 | | | | · · · · · · · · · · · · · · · · · · · | | | 1 | Light air: 1 | -3 mph | | _ |
| 28 | 1222.1 | | | | 1 2000 | 1 | | | | | | 1 | · · · · · · · · · · · · · · · · · · · | 2 | Light breez | ze: 4-6 mp | oh | |
| 29 | 1. 1. 1. | | | | 1 | | | | 1 | | | | - | 3 | Gentle bree | eze: 7-10 | mph | |
| 30 | 1 | | | 1 | | | | | 1. | | | | L | 4 | Moderate l | preeze: 11 | -16 mph | |

| ite N ite L | lo. <u>#</u> ocation | Noodlot | Project | No./N | lame c | Tou | Nunshi | Em | enen oad 1 | Cree 24 | 4 | | Date | 1/28/201 | 5 | - | 6 | 5 |
|----------------|-------------------------|--------------|---------|--------------|--------|-----------------|------------------|-----------------------------|---------------|------------|------------------------|---------------|---------|-----------------|---------------|------------|------------|-----------|
| oun at/L | ty .on ; UTM | INE 41. | 1475 | State_ 56 | W/N_ | 82, | Time Up 92949 | 19:00 | Zone | ne Down | Datum | SOAU | Observe | ers <u>ES</u> , | TAB | - c o | PPE | RHEAL |
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | e % | | V | Vax / Wan |
| 1 | 9:00 | 1.480 | Esa | pe | | (ii); | 1.1 | A | 4 | | 100 1 10 10 | - | - | | | Rise | | Set |
| 2 | 9:10 | LABO | A | F | PL | 13 | 40 | A | 3 | 0 | - | Ţ | - | Sun | | 060 | 23 | 8:55 |
| 3 | 9:20 | LABU | 5 | F | NR | 9 | 38 | A | 3 | 0 | - | - | | Moon | | 182 | 7 | 0354 |
| 4 | 9:50 | EPFU | A | M | TD | 17.5 | 48 | P | a | 0 | - | · · · · · | - | | | | | |
| 5 | 10:00 | EFFCA | A | F | PL | 26.5 | 49 | D | 5.5 | 0 | - | - | - | Time | Temp (F) | Sky | Wind | No. Bats |
| 6 | 10:00 | EPFLA | A | M | TU | 15 | 46 | D | 35 | 0 | - | - | - | | 1.1 | ~~~ | 1 | |
| 7 | 10:45 | Epra | A | F | PL | .90 | 48 | D | 5 | 0 | - | - | - | 9.00 | 79 | 1 | | 4 |
| 8 | 11:30 | FALA | 2 | - | NR | 14 | 45 | 1) | 4 | 0 | - | - | 0-0 | 10:00 | 77 | _ | | 3 |
| 9 | 11:30 | EPFU | 2 | M | NR | 13 | 44 | D | 1,5 | 0 | - | - | - | 11:00 | 75 | 2 | 1 | d |
| 10 | 12:50 | FPFU | Esta | ped | 1.0 | 10 | 54 | D | 4 | ~ | - | - | - | 10.00 | 73 | 1 | | 2 |
| 12 | 12.50 | LADD | 2 | F | NK | 15 | 31 | U | 3 | 0 | ~ | | - | 1.00 | 14 | -1 | | 0 |
| 12 | | _ | - | - | - | | - | - | | - | | - | | 2.00 | 10 | | | 0 |
| 14 | - | | - | - | - | - | - | - | - | | | - | | | | | | |
| 15 | - | | | | | 1 | | | - | - | | | | | | - | the second | |
| 16 | | - | - | - | | - | | 1 | | | - | | - | | | sky Code | | |
| 17 | | - | | | | - | | - | 1000 | | | | | 0 | Clear | ing cour | | |
| 18 | 1 | | | 1.0 | 1 | 1.1.1.1.1.1.1 | | | - | | | 1 | - | | Few Cloud | s | | |
| 19 | · | | | 1.00 | | 1 | | 1.1.1 | | | | | - | 2 | Partly Clou | dv | | |
| 20 | | | 1 | <u> </u> | | | | 1.111 | 1 | | | | | 3 | Cloudy or o | overcast | | |
| 21 | | | 1 | | | | | | | | | | | 4 | Fog or smo | ke | | |
| 22 | | | | | | | 1 | | | 1.000 | 1 | | | 5 | Drizzle or l | ight rain | | |
| 23 | | | | 1 | | · · · · · · · · | 1 | $\mathbf{r} \in \mathbf{C}$ | | | | | | 6 | Heavy rain | - thunde | r storm | |
| 24 | | | | | | | | | | 15 | | | | (a | | | | |
| 25 | | | 1 | | | | | | | 1 | | | - | | Beaut | fort Wind | l Scale | |
| 26 | 1 | | 11 | | | 1 | | | | | | | | 0 | Calm: <1 m | ph | | |
| 27 | | | 1 | 1 | 11-1 | | 5 | 6 | | · | | | | 1 | Light air: 1- | 3 mph | | |
| 28 | | | 1 1. | 2001 | () | | | | 1 | | | | | 2 | Light breez | e: 4-6 mp | h | |
| 29 | | | | | 11 | | 1 | | 1 | | 1.1.1 | 1000 | 1 | 3 | Gentle bree | ze: 7-10 n | nph | - |
| 30 | | | | 1.1 | 1.00 | | 1 | 121 | 1.000 | | | 1000 C | | 4 | Moderate b | reeze: 11 | -16 mph | |
| cou | stic Surv | ey: Unit typ | e | | Unit # | _ | Date | | Start tin | ne | | Stop time_ | | - | | | | |
| | | | | | 1000 | | Date | | Start tin | ne | | Stop time_ | | Please Re | turn to: | 12.67 | 100 | |
| | | | | | - | - | Date | - | Start tin | ne | | Stop time_ | | P.O. Box 7 | 3, Paint L | ick, KY | , 40461. | |
| eat | nerproot | ing | | | | | Coordin | ates | - | | | | | (859) 925- | 9012 | | | |

| Lat/Lor | UTM: N/E 41, 14356 W/N 829 | 2948 | Zone | | Observers_ | ESM | th | | | | |
|---------|--|--|---|---|--|--|--|---|---|---|-------------------------|
| Datum | n: NAD83 County Seneca | State OH Ouad | Fire | Side | | | | | | | |
| Site Di | iagram: | Height | Length | | | | Domi | nant Veg | getation | | |
| | | Net (m) | (m) | Dates | 1. Rel | Maple | | 4. K | at a | de | |
| | | A | 9 | | 2. 5L 46 | burk | | 5. | Sec. 2. | 10 ₁₀ | |
| 10 | | В | 6 | | 3. E4 | m | | 6 | | | |
| field | | C | 6 | H | | | - 87 | 1.5.1.5 | 100 | | |
| | 0/ | D | 17_ | | 1 | A | Net S | Set by H | labitat | | |
| | | E | 1.755.47 | | Habitat | A | В | C | D | E | F |
| | | F | | | River | | | | | | n |
| | | | 120 | | Stream | | X | | 1 | | <u></u> |
| | C Stream 1 | - | | | Pond | 1 | | | | 1.100 | 1 |
| | 5 | Site Photog | raphs | | Corridor | | | X | X | | |
| - | | Camera: | | | Cave | 1 | | | | | |
| z = 1 | × . | Photo Log:_ | | | Mine | | | | 1 1 | 1000 | |
| Fiell | A | | | | Forest | x | | | | | |
| 1.4 | | - | | | Gap | ~ | | | | 1 | |
| 1 | | | | | Other | | | | 1 1 1 1 | 1 mar 1 | |
| 1 | | | | | | | | | | | |
| | | | | | | | | | | | |
| ndian | a Bat Habitat Characterization (Choose approp <u>Roost habitat</u> : 1. Poor: No or few snags >= 5" DB | priate score for each H with sloughing bar | habitat o | characteristic usable roost fe | c) atures (cracks) | , crevices, e | tc) | | | | |
| | a Bat Habitat Characterization (Choose approp <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DB. 2. Moderate: Snags with sloughing bark or other root. <u>Water Resources</u>: 1. Poor: bat drinking resources 2. Moderate: Ephemeral or intermittent streams or openings or canopy gaps allow bats easy access to 13. Optimal: Streams or ponds (including road ruts) available. <u>Forest Structure</u>: (if hardwoods are absent or near 1. Poor: Habitat even aged and young. Trees small 2. Moderate: some diversity in age of trees in the st may be present but rare. 3. Optimal: Mature forest. Diverse age classes of th gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer surrounding | priate score for each H with sloughing bar oost features present 5 ost features present 5 not present at the site ponded areas present the resource. present that appear t ly absent or if stand is ler than 5 inch DBH. tand. Trees 5 to 15 inc rees present. Trees > | h habitat o k or other 5-15 inch DB 2. t but too cl o offer drift s monocult Understory ches preser 15 inch DB | characteristic usable roost fe DBH within 100 H within 1000 uttered to allo nking resource ture, area auto y growth clutte nt. Understory DH frequent. V | c) patures (cracks, 00 feet of forest feet of foreste w many bats t throughout the matically qual ered and restric clutter domin arying tree he re trees presen | , crevices, e ted areas. d areas. o drink eas he majority lifies as a 1: icts flying/J nant but no eight and tre at not conne | tc) ily or simu of the sur poor). foraging t ubiquito cefalls allc cted to oth | ultaneous nmer. Fl us. Trees ow for fre her areas | sly. No co yways to s greater th quent sma of trees. | orridors, resources han 15" E all openir | s are DBH ngs and |
| | ha Bat Habitat Characterization (Choose approp <u>Roost habitat</u>: 1. Poor: No or few snags >= 5" DB 2. Moderate: Snags with sloughing bark or other roo 3. Optimal: Snags with sloughing bark or other roo <u>Water Resources</u>: 1. Poor: bat drinking resources 2. Moderate: Ephemeral or intermittent streams or openings or canopy gaps allow bats easy access to 3. Optimal: Streams or ponds (including road ruts) available. <u>Forest Structure</u>: (if hardwoods are absent or near 1. Poor: Habitat even aged and young. Trees small 2. Moderate: some diversity in age of trees in the st may be present but rare. 3. Optimal: Mature forest. Diverse age classes of th gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer surroundin 2. Marginal: Trees present in the form of small wo 3. Optimal: Area is largely forested. Wooded stan Total Habitat Score (Should be between 4 & 12) | priate score for each H with sloughing bar bost features present 5 ost features present >1 not present at the site ponded areas present the resource. present that appear t ly absent or if stand is ler than 5 inch DBH. tand. Trees 5 to 15 ind rees present. Trees > 1 ng site predominantly odlots and wooded fe ds are connected to o | h habitat o k or other 5-15 inch DB 5- 15 inch DB 2. t but too cl o offer drin s monocult Understory ches preser 15 inch DB r un-foreste ence rows. ther wood | characteristic usable roost fe DBH within 100 H within 1000 uttered to allo nking resource ture, area auto y growth clutte nt. Understory DH frequent. V ed. Few matur Little connect ed stands via v | c) satures (cracks, 00 feet of foreste feet of foreste w many bats t e throughout the matically qual- ered and restri- v clutter domin 'arying tree he re trees presen- tion to adjacen- wooded stream Please retur P.O. Box 73, | , crevices, e ted areas. d areas. d areas. d areas. o drink eas he majority lifies as a 1: icts flying// nant but no eight and tro to conne it forested a n, fence row rn to: , Paint Lick | tc) ily or simu of the sur poor). foraging t ubiquito cefalls allo cted to oth reas. , or other , KY. 4046 | ultaneous mmer. Fl us. Trees ow for fre her areas wooded | sly. No co yways to greater th quent sma of trees. corridor. | orridors, resources han 15" E all openir | are DBH ngs and |

| at/L | on ; UTN | M: N/E_41. | 15312 | 2 | W/N_ | 82. | 9262) | | Zone | _ | Datum_1 | 14083 | Observer | s J.Ster | m, U. K | ingero | PPER | RHEA |
|------|---------------------------------------|------------|-------------|-------|-------------|-------------|---------|-----------|---------------|-------|---------------|-----------------------|-------------|------------|----------------|-------------|------------|----------|
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phase | e % | 68. | 10 | Vax / Wa |
| 1 | 9.20 | EPFU | 21 | m | NR | 11 | 46 | A | 3.0 | 0 | na | 0a | na | | | Rise | | Set |
| 2 | 9.26 | EPFU | JV | m | NR | 11.25 | 45 | Á | 5.0 | 0 | na | na | na | Sun | | 6:2 | Oam | 8:57 |
| 3 | 10.00 | LABO | JV | m | NR | 6.5 | 39 | P | 0.5 | 0 | 04 | 06 | na | Moon | | 3:34 | 6 m | 1:25. |
| 4 | 10:00 | EPFU | JV | m | NR | 8.75 | 41 | A | 3.0 | 0 | na | na | na | C | | | | |
| 5 | 10:00 | EPFU | JV | M | NR | 13.00 | 44 | A | 3.0 | 0 | na | 14 | | Time | Temp (F) | Sky | Wind | No B |
| 6 | 10 00 | EPFU | A | F | PL | 17,75 | 47 | A | 3.0 | 61 | na | 04 | 1 | Time | remp (r) | SKY | wind | NO. Da |
| 7 | 10.01 | EPFU | A | F | PL | 20.5 | 49 | A | 5.0 | 0 | no | 1 | | 9:00 | 73.0 | 1 | 2 | 2 |
| 8 | 10:00 | EPFU | JV | m | NR | 14.5 | 46 | A | 6.0 | 0 | n- | - | - | 10.00 | 70.5 | 0 | | 11 |
| 9 | 10,60 | EPFU | A | F | FL | 16.75 | 48 | A | 5.0 | 0 | na | ~ | - | 11:00 | 69.8 | 1 | 1 | 4 |
| 10 | 10:40 | LABO | 2V | F | NR | 8.0 | 41 | A | 2.0 | 0 | - | - | - | 12.00 | 69.4 | 1 | 1 | 0 |
| 11 | 10:40 | EPFU | A | M | S | 160 | 44 | A | 7.0 | 0 | ~ | · · | • | 1:00 | 70.3 | 1 | 0 | 0 |
| 12 | 10:40 | EPFU | A | m | 5 | 16.5 | 45 | A | 6.0 | 0 | - | | ~ | 2:00 | 70.1 | 1 | 3 | - |
| 13 | 10:40 | EPFU | A | 1= | PL | 20.0 | 47 | A | 4.0 | 4 | - | - | - | 1 | 1 | 1.000 | 1.18 ····· | 1.000 |
| 14 | 11:15 | EPFU | JV | F | NR | 130 | 46 | A | 3.0 | 0 | 1 | - | - | 2 | Provide states | | | |
| 15 | 11.50 | EPFV | A | m | 5 | 1915 | 45 | A | 3.0 | D | - | ~ | - | | | | | |
| 16 | 11.50 | ERED | TV | 79 | NK | 14.0 | 49 | A | 3.0 | 0 | 4 | 1 | - | | | Sky Code | | |
| 17 | 11:50 | BPFV | A | F | 8r | 2025 | 48 | A | 5.5 | 6 | 4 | - | - | 0 | Clear | | | |
| 18 | | | 1.000 | 1000 | 1 | | | | | | 1 | 1. E. J. | 1.1.1 | 1 | Few Cloud | s | | |
| 19 | | | - | | 1.2.1 | | | · · · · · | 127-04 | | 1.1 | 1 | | 2 | Partly Clou | ıdy | | |
| 20 | | | | | · · · · · · | - | | | 11.11 | | | | 1.1.1 | 3 | Cloudy or | overcast | | |
| 21 | | A | 1.1 | 1 | 1.1 | | | 1 | | | 121 | E | 1.000 | 4 | Fog or smo | ke | | |
| 22 | 1000 | | 1 | | 1 | | · | | | | | | | 5 | Drizzle or | light rain | | |
| 23 | | | 1.1 | 16.21 | | | 1 | | 1 | | 1 | | - | 6 | Heavy rain | - thunde | r storm | |
| 24 | | | 1 = = 1 | | | | · | | | | 1225 | | · | | | | 1.0 | |
| 25 | · · · · · · · · · · · · · · · · · · · | | | 1 | 2 | | 1 | | 1 | 1 | · · · · · · · | | | | Beau | fort Wind | Scale | |
| 20 | | - | - | | - | | - | | | | 1.0 | 1 | · · · · · · | 0 | Calm: <1 n | nph | 1 | |
| 27 | | | district of | 1. 1 | | | 12.24 | | | L | | | | 1 | Light air: 1 | -3 mph | | |
| 20 | | | | | | | | | | P | 5 | 1 | 1 | 2 | Light breez | e: 4-6 mp | h | |
| 29 | - · · · | | | 1 - 1 | | 1.190 | | | - | 12.79 | | 1 an 1 an 1 an 1 an 1 | | 3 | Gentle bree | eze: 7-10 r | nph | - |
| 50 | | | 1.1 | | 1.1 | 12.00 | 19 A. | 1.1.1 | | | | | | 4 | Moderate b | preeze: 11 | -16 mph | |

| Site N Site L | lo ocation tv | O Forest gap | Project | No./N | lame_ | 412,0 1d in | Forest Time Un | Aisi | x SOV | | eek 1:50 | | Date | 7/30/15 | _ | | 2 | 2 |
|------------------|---------------------|-----------------|---------|-------|--------|----------------|---------------------------------------|------|---------------|------------|----------|---------------|-------------|---|--------------|-------------|---------|-----------|
| Lat/L | on ; UTM | 1: NE 41. | 15312 | 2 | WYN_ | - 82. | 9262 | 1 | Zone | - | Datum_1 | NAD83 | Observe | rs J. Stor | mMil | - CO | PPEF | HEAL |
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phase | e % | 97.6 | , v | Vax / Wan |
| 1 | 9:05 | LABO | E | Ecap | sed | fre | m 1 | le+ | A | 11.21 | | 10.00 | 1.1 | · · · · · · · · · · · · · · · · · · · | | Rise | _ | Set |
| 2 | 9:30 | EPFU | JV | NF 1 | NR | 11,75 | 47mm | A | 6 | 0 | 1 | Y | Å | Sun | | 6:25 | am | 3:51pm |
| 3 | 9:30 | ERFU | JV | F | NB | 11 | 46 mm | A | 6 | 1 | 1 | 1 | 1 | Moon | | 12:10 | Pm " | 5:35 a |
| 4 | 9:30 | EPFU | A | F | PL | 16 | 40 000 | A | 4 | 0 | 1 | 1 | - | | | 1.1.1.1 | | |
| 5 | 9:30 | EPFU | A | M | TD | 14.5 | 47mm | A | 2 | 0 | - | 1 | - | Time | Tomp (E) | Class | Wind | No Pata |
| 6 | 4:30 | EPFU | JV | M | NR | 10.25 | 44 mm | A | a | 0 | - | - | - | Time | remp (r) | Эку | wind | INO. Dats |
| 7 | 9:50 | EPFU | A | FM | L | 17 | 47mm. | D | 1.5 | 0 | 0 | - | / | 1905 PA | -74T | 0 | 3 | 14- |
| 8 | 10:20 | LABO | JV | F | NB | 9 | 30mi | A | 35 | 0 | 1 | - | - | HADE PR | -68.5 | -0 | 2 | |
| 9 | N:20 | LACE | JV | M | NR | 11,25 | 4900 | A | 3 | 0 | - | - | | 9:00 | Sec. 1 | .0 | 3 | F |
| 10 | 10:20 | EPFU | JV | F | NR | 16.5 | 48mm | A | 4 | Õ | - | 1 | 1 | 10:00 | 74.1 | 0 | 3 | 8 |
| 11 | 10:20 | EPFU | A | M | TD | 1625 | 45mm | A | 2 | 0 | | ~ | - | 11:00 | 1.9.5 | 0 | 2 | Ĩ |
| 12 | 10:40 | LABO | JV | F | NR | 9.15 | Zama | *0 | 2 | 0 | - | 1 | - | 12:00 | 64.9 | 0 | | 0 |
| 13 | 10:40 | EPEU | A | F | L. | 21 | 49/00 | C | 45 | 1 | | | | 1:00 | 103 1 | 0 | 2 | T |
| 14 | VD:40 | EPEV | JV | N. | NR | 0,15 | 20 000 | A | 2, | 0 | | 1 | 12 | =100 | 12.8 | 0 | 1 | - |
| 15 | 11:15 | EPFU | TV | F | NR | 13.5 | HSmm | A | 1 | 0 | 1.50 | - | | | | | | |
| 16 | 1:50 | LABO | JV | F | NR | 9.5 | 42000 | A | 2 | 0 | - | | - | 1 | | Sky Code | | |
| 17 | 1.00 | | | 1.00 | 1 | | - Guir | | ~ | | 10.00 | | | 0 | Clear | | _ | - |
| 18 | | | | | | - | | - | | | | 1 | 6 | 1 | Few Cloud | ls | | |
| 19 | | 0 | | | 1 | 1.0 | · · · · · · · · · · · · · · · · · · · | | × | | | | | 2 | Partly Clos | udy | | |
| 20 | 1 | | 10000 | | | | | 1 | 1 | ~ ~ 1 | | | | 3 | Cloudy or | overcast | | |
| 21 | | 1 | 1.1.1.1 | 1 | h | 1.2 | Y | | | | | | | 4 | Fog or smo | oke | | |
| 22 | | | 1.1.1.1 | | | 1 | P | | · · · · | | | | · · · · · · | 5 | Drizzle or | light rain | | |
| 23 | | | 1 | | 1 | 11 | | 1 | | N | | 10000 | | 6 | Heavy rain | 1 - thunde | r storm | |
| 24 | | | 117.00 | | a - 1 | 1.00 | | 1 | | 1 | 10.17 | S | | | | | | |
| 25 | 1 | | 1.1.1.1 | | 1000 | | | | | | | | | () · · · · · · · · · · · · · · · · · · | Beau | fort Wind | Scale | |
| 26 | | | 1.00 | | | IE D | | | | | | | | 0 | Calm: <1 n | nph | | |
| 27 | | | | | 1000 | | | | | F 2 | | | | 1 | Light air: 1 | -3 mph | | |
| 28 | | | n | - | 1 | · | | | | | 1 | | | 2 | Light breez | ze: 4-6 mp | h | |
| 29 | 10.201 | | 1.1 | | | | | | | | | | - | 3 | Gentle bre | eze: 7-10 r | nph | |
| 30 | 1 | | 17.000 | | | | 1 | | | | 1 | 1 | | 4 | Moderate I | preeze: 11- | -16 mph | |
| cou | stic Surv | vey: Unit typ | be | | Unit # | | Date | | Start tin | ne | | Stop time | | | | | | |
| 2 | - | | | | 1000 | | Date | | Start tin | ne | | Stop time | | Please Ret | urn to: | | | |
| | | | | - | | | Date | | Start tin | ne | | Stop time | | P.O. Box 7 | 3. Paint I | ick. KY | 40461 | |
| Veat | herproo | fing | | | | | Coordin | ates | | | | | | (859) 925-9 | 9012 | | | |
| 1.1 | - | 1 | | | | | | 10 | | | | | | N | | | | 1.2.1 |

| | UTM: N/E 41.15312 W/N 81. | 92621 MH | Ourd | Zone | | Observers_ | 3.54 | in T | klase. | | - | - |
|------------------------------|--|---|---|--|---|--|---|---|--|--|---|------------------------|
| Site Dia | gram: | I | Height | Length | | 1 | | Domin | ant Veg | etation | - | _ |
| 3 | 1 00 | Net | (m) | (m) | Dates | 1. Redi | Aaple | | 4. Slip | PRIY 8 | her | |
| 3 | 4 11 | A | 7.8 | 9 | 7/25=7/30 | 2. Red | on K = | · Pingak | 5. Fr | 1 burds | Swamp W | hite o |
| 4 | (x) | В | 5.2 | 10 | 7/25 \$ 7 30 | 3. shagt | bork h | chary | 6. 5 | VER MO | nple | - |
| £ | C-9 134 04 | C | 6.2 | 6 | 7/25 47/30 | 1 | | (| | | | |
| 8 - | | | 5.2 | 6 | 2/25 2-7/30 | 11.1.1.1 | - | Net S | bet by H | abitat | | - |
| £ | TI Je | E | 1-1-3 | - | | Habitat | A | В | C | D | E | H |
| 3 | min sula | r | | | | Kiver | - | - | | | | - |
| The | mon Bannon | - | | | 1 | Pond | - | | | V | - | |
| | 811 3 | Site | Photogr | aphs | | Corridor | x | X | V | X | - | - |
| | 2 1 1 m | Can | nera: | | | Cave | | | | 1 | 1 | |
| | This is and pos | Pho | to Log:_ | | | Mine | | 2000 | | | 12 | |
| e.u | + 0 hand (\$ 60° - 1 | 16-2 | | | | Forest | V | | | | | |
| FORES | 15 | _ | | | | Gap | × | | | 10-000 | | |
| | CHA | | | | | Other | | | | | | - |
| | - 76 - 2 | | _ | _ | | | | | | | | 1 |
| ~ | 2. Moderate: Snags with sloughing bark or other ro 3. Optimal: Snags with sloughing bark or other roo | ost features at features p | present 5 resent >1 at the site | -15 inch 1 5 inch D | DBH within 1000 BH within 1000 fe |) feet of forest eet of forestec | ed areas. l areas. | | | | | |
| 3 | <u>Water Resources</u>: 1. Poor: bat drinking resources a 2. Moderate: Ephemeral or intermittent streams or popenings or canopy gaps allow bats easy access to th 3. Optimal: Streams or ponds (including road ruts) available. <u>Forest Structure</u>: (if hardwoods are absent or nearly available. 2. Moderate: some diversity in age of trees in the state may be present but rare. 3. Optimal: Mature forest. Diverse age classes of tree gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer surrounding 2. Marginal: Trees present in the form of small wood | or present a ponded area te resource. present that absent or i r than 5 incl nd. Trees 5 pes present. g site predoi dlots and w | s present appear to f stand is h DBH. L to 15 inc Trees > 1 minantly ooded fer | but too c o offer dr monocu Jndersto hes prese 5 inch D un-fores nce rows | cluttered to allow rinking resource t lture, area autom ry growth clutter ent. Understory o BH frequent. Va ted. Few mature . Little connectio | r many bats to throughout the natically quali red and restric clutter domin rying tree hei trees present on to adiacent | o drink ease te majority fies as a 1 cts flying/ ant but no ght and tr not conne forested a | sily or simu y of the sum ; poor). (foraging ot ubiquitou reefalls allow ected to oth preas. | ltaneous nmer. Fly us. Trees w for frec er areas c | y. No co ways to greater th quent sma of trees. | orridors, resource: han 15" [all openii | s are DBH ngs an |
| 3 | Water Resources: 1. Poor: bat drinking resources a 2. Moderate: Ephemeral or intermittent streams or popenings or canopy gaps allow bats easy access to th 3. Optimal: Streams or ponds (including road ruts) available. Forest Structure: (if hardwoods are absent or nearl 1. Poor: Habitat even aged and young. Trees smalle 2. Moderate: some diversity in age of trees in the stamay be present but rare. 3. Optimal: Mature forest. Diverse age classes of tre gaps that facilitate bat foraging. Land Cover: 1. Poor: Square kilometer surroundin 2. Marginal: Trees present in the form of small wood 3. Optimal: Area is largely forested. Wooded stand | or present a ponded area the resource. present that absent or i r than 5 incl nd. Trees 5 res present. g site predoi dlots and w s are connec | s present appear to f stand is h DBH. U to 15 inc Trees > 1 minantly coded fea cted to ot | but too c o offer dr monocu Jndersto hes prese 5 inch D un-fores nce rows her wood | cluttered to allow rinking resource t lture, area autom ry growth clutter ent. Understory o BH frequent. Va ted. Few mature ted. Few mature ded stands via wo | r many bats to throughout th natically quali red and restric clutter domin rying tree hei trees present on to adjacent ooded stream | e drink eas e majority fies as a 1 cts flying/ ant but no ght and tr not conne forested a , fence roo | sily or simu y of the sum poor). foraging ot ubiquitou ceefalls allow ected to oth areas. w, or other y | ltaneous umer. Fly us. Trees w for free er areas o wooded o | y. No co ways to greater th quent sma of trees. corridor. | orridors, resources han 15" [all openis | s are DBH 1gs an |
| 3 | <u>Water Resources</u>: 1. Poor: bat drinking resources a 2. Moderate: Ephemeral or intermittent streams or popenings or canopy gaps allow bats easy access to th 3. Optimal: Streams or ponds (including road ruts) available. <u>Forest Structure</u>: (if hardwoods are absent or nearly 1. Poor: Habitat even aged and young. Trees smaller 2. Moderate: some diversity in age of trees in the state may be present but rare. 3. Optimal: Mature forest. Diverse age classes of tree gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer surroundin 2. Marginal: Trees present in the form of small wood 3. Optimal: Area is largely forested. Wooded stand | or present a ponded area the resource. present that absent or i r than 5 incl nd. Trees 5 res present. g site predor dlots and w s are connec | s present appear to f stand is h DBH. L to 15 inc Trees > 1 minantly ooded fee cted to ot | but too c o offer dr monocu Jndersto hes prese 5 inch D un-fores nce rows her wood | cluttered to allow rinking resource to lture, area autom ry growth clutter ent. Understory of BH frequent. Va BH frequent. Va ted. Few mature ted. Few mature ted. stands via wo | r many bats to throughout the natically qualited and restrict clutter domin rying tree heit trees present to adjacent ooded stream Please return | e drink eas te majority fies as a 1 cts flying/ ant but no ght and tr not connu forested a , fence rou n to: | sily or simu y of the sum : poor). /foraging ot ubiquitou reefalls allow reefalls allow rected to oth areas. w, or other o | ltaneous nmer. Fly us. Trees w for frec er areas o wooded o | y. No co ways to greater th juent sma of trees. corridor. | orridors, resources han 15" I all openin | s are DBH ngs an |
| 2 3 2 9 1 Commer | <u>Water Resources</u>: 1. Poor: bat drinking resources a 2. Moderate: Ephemeral or intermittent streams or popenings or canopy gaps allow bats easy access to th 3. Optimal: Streams or ponds (including road ruts) available. <u>Forest Structure</u>: (if hardwoods are absent or nearly 1. Poor: Habitat even aged and young. Trees smalle 2. Moderate: some diversity in age of trees in the stat may be present but rare. 3. Optimal: Mature forest. Diverse age classes of tree gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer surroundin 2. Marginal: Trees present in the form of small wood. 3. Optimal: Area is largely forested. Wooded stand | or present a ponded area the resource. present that absent or i r than 5 incl nd. Trees 5 res present. g site predor dlots and w s are connec | s present appear to f stand is h DBH. L to 15 incl Trees > 1 minantly ooded fea cted to oth | but too c o offer dr monocu Jndersto hes prese 5 inch D un-fores nce rows her wood | cluttered to allow rinking resource to lture, area autom ry growth clutter ent. Understory of BH frequent. Va. BH frequent. Va. ted. Few mature ted. Few mature ted. Stands via wo | r many bats to throughout the natically qualited and restric clutter domin rying tree heit trees present on to adjacent ooded stream Please return P.O. Box 73, | o drink ease the majority fies as a 1 cts flying/ ant but no ght and tr not conne forested a , fence row n to: Paint Lick | sily or simu y of the sum (foraging of ubiquitou reefalls allow ected to oth areas. w, or other y c, KY. 40461 | Itaneous umer. Fly us. Trees w for free er areas o wooded o | y. No co ways to greater th quent sma of trees. corridor. | orridors, resources han 15" [all openin | s are DBH 1gs an |

+

| Site N Site Lo | lo ocation | CR 122 | Project | No./N | lame | 412 | / | Emens | sond CR | <i>ten</i> | | | Date | 1-23-15 | | - | 0 | 2 |
|------------------------------------|---|--|---|---|--|---|---|---|---|---|--|--|--------------------|---------------------------------------|---------------------------------|------------|----------|--------|
| Count Lat/L | ty <u>Ser</u> on; UTN | 4: N/E 41. | 13920 | State_ | _W/N_ | 82 | Time Up .99 2 2 3 | 8:0 | Description Zone | ne Dowr | Datum_ | NAD83 | Observe | rs MTM, RR | R | - C o | PPEF | THE A |
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | e 50 % | | V | Vax W |
| 1 | 10:20 | EPEU | A | F | L | 18 | 410 | 2 | 7 | 0 | | | - | 1 | | Rise | | Se |
| 2 | 1:10 | EPFU | A | M | 5 | 110.5 | 43 | 2 | 5 | 0 | - | _ | - | Sun | | 56 | 12 | 205 |
| 3 | 1 | erre | 1 | | | 1 | 1 | | 1 | | 1000 | | h = | Moon | | 13 | 28 | OD |
| 4 | () | | | 1. | | | | | | | | | 12.77 | 1 | 2.0 | | | |
| 5 | 1 | | | | 1 | 1 | | | | | | | 1 | Time | Town (T) | Class | TATing | N. P |
| 6 | 7 | | | 51111 | | | | | | | | | | Time | temp (r) | Эку | wind | INO. D |
| 7 | | 1 | | 1 | | | | | | | F-28 4 | | 1 | 9 00 | 75 | 0 | 0 | 0 |
| 8 | | | | t | | | | | | | - | 1 | E = 1 | 10:00 | 73 | 0 | 0 | 1 |
| 9 | | | | | | | | | | | | | | 11 00 | 70 | 0 | 0 | 0 |
| 10 | 1 | | | | | | | | | - | | | | 12:00 | 68 | 0 | 1 | 0 |
| 11 | | | | | 1000 | | | | | | | | | 1:00 | 66 | 0 | 2 | 1 |
| 12 | | | 1.0 | 075. | | | | | Contraction of the second | | | (| | 2.00 | 65 | 0 | 5 | 0 |
| 13 | 1 | | | 1 | Sec. 4. | | | | | | | | | 1 | | 10.000 |) | |
| 14 | 2 | | | 21.1 | 19 | | | 1 | 1.00 | (| | | | | | | 1. | 1 |
| 15 | E. | | | | · | | | - | 1 | | | | | - | () | | | |
| 16 | | | | | - | | | | | | | | | | | Sky Code | | |
| 17 | | | | 2 | | | | | | | | | 1 | 0 | Clear | | _ | |
| 18 | _ | | | _ | _ | | | - | | | | | | 1 | Few Cloud | s | | |
| 19 | 1.000 | 1.000 | | - | 1.0000 | - | | | 1 | | · · · · · · · · | 1 | | 2 | Partly Clou | udy | | |
| 20 | | | - | - | | | | | | | | | | 3 | Cloudy or | overcast | | |
| 21 | | | - | | 1.000 | 1.1.1 | | _ | | | 10 H | | | 4 | Fog or smo | oke | | |
| 22 | - | | 1 | | | | - | | | | 1 | | t | 5 | Drizzle or | light rain | <u></u> | |
| 23 | | | - | - | | _ | | | | _ | | | | 6 | Heavy rain | ı - thunde | er storm | |
| 24 | - | | | - | - | - | | | | | | | | | | | 10.1 | |
| 25 | | | - | | | | | - | | | | | - | - | Beau | fort Wind | Scale | _ |
| 20 | | | - | | - | - | | - | | - | | | | 0 | Caim: <1 n | nph 2 | | |
| 2/ | | | - | | - | - | | | | - | - | | - | 1 | Light air: 1 | -3 mph | | |
| 29 | | | + | | | - | | - | - | | - | | | 2 | Contla ho | e: 4-6 mp | m | |
| 30 | | | 1 | - | - | - | | | | | | | | | Moderate 1 | 220. 7-101 | 16 mm | |
| Spectorea borea (MYA (MYS | ies Abbre alis (LABC AU); Myol SO); Nycti | viations: Coryn)); Lasiurus cine tis grisescens (M ceius humeralis | orhinus r reus (LAC IYGR); M (NYHU); | afinesqu CI); Lasi yotis leil Perimy | iii (CORA urus sem bii (MYLI votis subf |); Coryr inolus (I E); Myot lavus (P | orhinus t. .ASE); Lasi is lucifugus ESU); Tada | virginia onycteri s (MYLL rida bra | nus (COVI) is noctivag J); Myotis s siliensis (T | ; Eptesici ans (LAN eptentrio ABR) | us fuscus (E O); Myotis onalis (MYS) | PFU); Lasiur austroriparit E); Myotis so | rus 15 dalis | Please Re P.O. Box 7 (859) 925- | turn to: 73, Paint I 9012 | , 40461. | | |
| Other | Abbrevia | tions: Male: M; | Female: F | Pregna | ant: P; La | ctating: | L: Post Lac | tating: F | L: Scrotal: | S: Non R | epro: NR | | | | | | | n 1 |

| Site Lo Count Lat/Lo | ocation ySe on ; UTM | <u>CR</u> <u>NE</u> 1: N/E | 22 | State_ | OH | - | Time Up | 8:4 | 5Tin Zone | ne Dowr | n Datum | - | Observe | rs MTM, | RRR | - C o | PPER | P. HEAL |
|----------------------------|----------------------------|----------------------------------|-------|-----------|--------|-------------------|---------------------------------------|------|-------------------------------------|------------|---|--|---------|--|---------------------------------|------------|----------|-----------|
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | e 50 % | | h | ax) / War |
| 1 | 9:40 | LABO | A | M | S | 14 | 37 | B | 2 | 0 | - | (| - | | | Rise | | Set |
| 2 | 9:40 | EPFU | 2 | F | NR | 19 | 46 | B | 4 | 1 | 1 | 1 | - | Sun | | -06 | 22 | 8:55 |
| 3 | 10:20 | EPFU | A | M | S | 22 | 51 | B | 4 | 0 | | 1 | - | Moon | | 173 | | 0241 |
| 4 | 11:30 | EPFU | A | M | S | 22.5 | 49 | B | 5 | 0 | 1 | - | _ | | | | | |
| 5 | | | 1. | 1 | | | | | 1 | 1000 | | | | Time | Temp (F) | Sky | Wind | No Bat |
| 6 | 1.00 | | | | | - | - | _ | | 1 | 1 | | | - unic | remp (r) | uny | | ino, bat |
| 7 | | | | | | | 1 | | | | | | 1 | 9:00 | 76 | | | 2 |
| 8 | | | | | | (| | - | |) <u> </u> | | | | 10:00 | 75 | 1 | | 1 |
| 9 | | | | | | 1.000 | · · · · · · · · · · · · · · · · · · · | 1000 | | 110.00 | | | | 11:00 | 73 | 1 | 1 | 1 |
| 10 | · · · · · | | | 1.1.1.1.1 | | | | | | 100.00 | | | (| 12:00 | 12 | 1 | | 0 |
| 11 | | | 1 | | | | | 1.1 | | 1000 | · · · · · | | | 1:00 | 71 | 0 | 1 | Ö |
| 12 | $\{ i_1, \dots, i_n \}$ | | | | | | 1.00 | 1.00 | 1 | · | | | | 2:00 | 68 | 0 | 1 | 0 |
| 13 | 110.00 | - | 1 | | - | | | 1.0 | 1.000 | 1 | | | | | | - | | |
| 14 | to most i | | | | 1 | | | | | | | | | | | | S | |
| 15 | | | 1 | E | | | | _ | 1.000 | | 1.00 | 1 | | 1 | | | | |
| 16 | | | 5-5-6 | 10000 | 0-2-24 | 1.0 | | | 1 | - | | | | J | S | ky Code | Y | |
| 17 | | | | 1 | - | | | | | | a la compañía de la c | | | 0 | Clear | | | |
| 18 | - | | | 1 | | 10 million (1997) | | | 0 - N | | 1 | | | 1 | Few Clouds | 5 | | |
| 19 | | | | 1. | | | | | 1 | | 100 | | | 2 | Partly Clou | dy | | |
| 20 | | | | - | | | | | 1 | | | | | 3 | Cloudy or c | overcast | | |
| 21 | | | 1 | 1.2 | | 1 | | | | | 1 | | | 4 | Fog or smol | ke | | |
| 22 | | | | 1 | | 1 | - | | 1 | | 1 | | | 5 | Drizzle or l | ight rain | | |
| 23 | | | 1 | | - | | | | | | 11 | - | 1 | 6 | Heavy rain | - thunde | r storm | |
| 24 | | | - | | | - | | 1 | 1 | | 1 | | 2 | | | | | |
| 25 | | | | | 1 | | | | | | | | 1 | | Beauf | ort Wind | Scale | |
| 26 | - | | | | | | | 1. A | | · | | | 1 | 0 | Calm: <1 m | ph | | |
| 27 | | | 1 | | | 0 | | | | 1 | | | | 1 | Light air: 1- | 3 mph | | |
| 28 | - | | .2-3 | - | - | - | | | - | | 1.1.1.1.1 | · · · · · · · · · · · · · · · · · · · | P | 2 | Light breez | e: 4-6 mp | h | |
| 29 | - | | | | | - | - | - 1 | | L | | | | 3 | Gentle bree | ze: 7-10 r | nph | |
| 30 | His Com | The state | 1.00 | - | IL-Y P | 1 | Det | | | 4 | | <u>.</u> | | 4 | Moderate b | reeze: 11 | -16 mph | |
| Veath | erproof | ing | e | | Unit # | | Date Date Coordin | ates | Start tim Start tim Start tim | ne ne | | Stop time_ Stop time_ Stop time_ | | Please Ref P.O. Box 7 (859) 925- | turn to: 73, Paint L 9012 | ick, KY | , 40461. | |

| | N/E 41,13920 | W/N 82 | 99223 | | 1 | Zone | | Observers_ | MTM , 1 | ZRR | | | | _ |
|---|---|--|---|---|---|--|--|--|--|---|--|--|--------------------------------------|------------------------|
| Datum: | County_5 | ALC A | State_ | OH | Quad_ | Fires | ride | | | | | | | |
| Site Diagram; | > | | | - () | Height | Length | A CONTRACT OF | | | Domi | nant Veg | etation | | |
| 10 | 11 -2 | 0 22 | M | Net | (m) | (m) | Dates | 1. COMPH | ADDD. | | _4. ELM | 2 | | |
| -10- | VP_ ~ | 00 | | A | 9 | 6 | 7/23/15 7.27 | 2. ROP M | KALE | _ | _5. LIAL | ALET | | |
| 211- | 20-20 | 2.1 | | В | 9 | 9 | 7/23/15 7.27 | 3. RED 01 | .¥C | | _ 6 | | | |
| -P- | 21122 | -An / | 11 | C | 6 | p | 7/23/15 7.21 | | - | | 0.1.1 | | _ | _ |
| 212 | AP S | The state | 1 100 | D | 6 | 6 | 7/23/15 7-27 | 11.1.1.1 | | Net | Set by H | abitat | E | |
| V110 | will min | 273/ 1 | 114-197 | E | _ | - | | Habitat | A | В | C | D | E | 1 |
| ala | N S | J3/ / N | | P | - | - | | River | | - | - | | - | - |
| 212 - | 700. | 154 1 | 1.00 | | | | | Pond | | - | - | ~ | 1 | - |
| SHO | 1000- | 10 | | Site | Photogr | aphs | | Corridor | 1 | | V | | | - |
| 11 2 | AN QE | | | Cam | era: | aprio | | Cave | v | × | | | | 7 |
| 1100 | - 50 | 120 | 10.5 | Phot | to Log: | | | Mine | | | 1 | 1 | 1 | 1 |
| Il v | Q 1 | 1000 | | | 0- | | | Forest | | | | | | 5 |
| atter E | 20 | 5 - | 11 | | | | | Gap | | | | | | |
| 0110- | | 1.2 | | | | | | Other | 1 | | | | 1 | |
| 11 15 | 08 | a Q | 1.1 | | | | | | | | | | 41 - 14 | 8 |
| 11 - | | 1 00 | 11 | | | | | | | | 1.5724 | | | 1 |
| 2. Moo 3. Opt | imal: Snags with sloug Resources: 1. Poor: 1 lerate: Ephemeral or in | ighing bark or othe phing bark or other pat drinking resour itermittent stream | er roost feat roost featu rces not pre s or pondec | tures p ures pr esent a d areas | resent >1. t the site. present | -15 inch 5 inch D but too | DBH within 1000 BH within 1000 fo | eet of forested eet of forested many bats to | ed areas. 1 areas.) drink ea: | sily or sim | ultaneous | ly. No co | orridors, | |
| 2 Water 2. Mod openin 3. Opti availab 3 Forest 1 Poor | igs or canopy gaps allo imal: Streams or ponds ble. <u>Structure</u> : (if hardwo r: Habitat even aged ar | w bats easy access s (including road r ods are absent or r | uts) presen | nt or if | appear to stand is | o offer di monocu Indersto | rinking resource I Iture, area autom | throughout th natically quali | ne majority fies as a 1 | y of the su : poor). /foraging | mmer. Fly | ways to | resource | s are |
| 2 Water 2. Mod openin 3. Opti availab 3 Forest 1. Poor 2. Mod may bo 3. Opti gaps th 2 Land C 2. Mar 3. Opti | igs or canopy gaps allo imal: Streams or ponds ole. <u>Structure</u> : (if hardwo r: Habitat even aged ar lerate : some diversity e present but rare. imal: Mature forest. D hat facilitate bat foragin <u>Cover</u> : 1. Poor : Square ginal: Trees present ir imal: Area is largely fo | w bats easy access s (including road r ods are absent or r nd young. Trees s in age of trees in t tiverse age classes ng. e kilometer surrou n the form of small prested. Wooded | nearly absent maller than ne stand. T of trees pre- nding site p woodlots a stands are o | ource. It that a nt or if 5 inch rees 5 esent. oredon and we connec | appear to stand is DBH. U to 15 inc Trees > 1 ninantly ooded fe cted to ot | o offer di monocu Jndersto hes press 5 inch D un-fores nce rows her woo | rinking resource f lture, area autom ry growth clutter ent. Understory o BH frequent. Va ted. Few mature s. Little connection ded stands via wo | throughout th natically quali red and restri- clutter domin rying tree hei trees present on to adjacent ooded stream | ne majorit fies as a 1 cts flying/ ant but no ght and th not conn forested a , fence ro | y of the su poor). foraging tubiquito reefalls all ected to of areas. w, or othe | mmer. Fly ous. Trees ow for free ther areas o r wooded o | greater th quent sma of trees. corridor. | resources han 15" E all openir | s are DBH ngs ai |
| 2 Water 2. Mod openin 3. Opti availab <u>3</u> Forest 1. Poor 2. Mod may be 3. Opti gaps th <u>2</u> Land C 2. Mar 3. Opti | imal: Streams or ponds ble. <u>Structure</u> : (if hardwo r: Habitat even aged ar lerate : some diversity e present but rare. imal : Mature forest. D hat facilitate bat foragin <u>Cover</u> : 1. Poo r: Square ginal : Trees present ir imal : Area is largely for abitat Score (Should be | w bats easy access s (including road r ods are absent or r nd young. Trees s in age of trees in t liverse age classes ng. e kilometer surrou the form of small prested. Wooded e between 4 & 12) | nearly absent maller than the stand. T of trees pre- nding site p woodlots a stands are o | ource. It that a 5 inch rees 5 esent. oredon and we connec | appear to stand is DBH. U to 15 inc Trees > 1 ninantly ooded fea ted to of | o offer di monocu Jndersto hes prese 5 înch D un-fores nce rows her woo | rinking resource f lture, area autom ry growth clutter ent. Understory o BH frequent. Va ted. Few mature s. Little connection ded stands via wo | throughout the natically quali- red and restri- clutter domin rying tree her trees present on to adjacent ooded stream | ne majority fies as a 1 cts flying/ ant but no ght and th not conni forested a forested a forested a | y of the su poor). foraging tubiquito reefalls all ected to of areas. w, or othe | mmer. Fly ous. Trees ow for free ther areas o r wooded o | greater the greate | resources han 15" I all openin | s are DBH ngs ar |
| 2 Water 2. Mod openin 3. Opti availab 3 Forest 1. Poor 2. Mod 3. Opti gaps th 2 Land C 2. Mar 3. Opti 10 Total Ha | imal: Streams or ponds ole. <u>Structure</u> : (if hardwo r: Habitat even aged ar lerate : some diversity e present but rare. imal : Mature forest. D hat facilitate bat foragin <u>Cover</u> : 1. Poo r: Square ginal: Trees present ir imal: Area is largely for abitat Score (Should be | w bats easy access s (including road r ods are absent or r nd young. Trees si in age of trees in th tiverse age classes ng. e kilometer surrou n the form of small prested. Wooded : e between 4 & 12) | nearly absent maller than ne stand. T of trees pre- nding site p woodlots a stands are o | ource. It that a 5 inch rees 5 esent. predon and we connec | appear to stand is DBH. U to 15 inc Trees > 1 ninantly ooded fe ted to ot | o offer di monocu Jndersto hes prese 5 inch D un-fores nce rows her woo | rinking resource f lture, area autom ry growth clutter ent. Understory o BH frequent. Va ted. Few mature s. Little connection ded stands via wo | throughout the natically qualities and restriction clutter domining rying tree heit trees presention to adjacention to adjacention ooded stream | ne majority fies as a 1 cts flying/ ant but no ght and th not conni- forested a forested a fence row | y of the su poor). foraging ot ubiquito reefalls all ected to of areas. w, or othe | mmer. Fly ous. Trees ow for free ther areas o r wooded | greater the guent small of trees. | resources han 15" E all openin | s are DBH ngs ar |
| 2 Water 2. Mod openin 3. Opti availab 3 Forest 1. Poor 2. Mod may be 3. Opti gaps th 2 Land C 2. Mar 3. Opti 10 Total Ha comments: | imal: Streams or ponds imal: Streams or ponds ole. <u>Structure</u> : (if hardwo r: Habitat even aged ar lerate: some diversity e present but rare. imal: Mature forest. D hat facilitate bat foragin <u>Cover</u> : 1. Poor : Square ginal: Trees present ir imal: Area is largely for abitat Score (Should be | w bats easy access s (including road r ods are absent or r nd young. Trees s in age of trees in t viverse age classes ng. e kilometer surrou n the form of small prested. Wooded e between 4 & 12) | nearly absent maller than the stand. T of trees pre- nding site p woodlots a stands are o | ource. It that a 5 inch rees 5 esent. oredon and we connec | appear to stand is DBH. U to 15 inc Trees > 1 ninantly ooded fea ted to of | o offer di monocu Jndersto hes pres 5 inch D un-fores nce rows her woo | rinking resource f lture, area autom ry growth clutter ent. Understory o BH frequent. Va ted. Few mature s. Little connection ded stands via wo | throughout the natically quali- red and restric- clutter domin rying tree heit trees present on to adjacent ooded stream Please retur P.O. Box 73, | ne majority fies as a 1 cts flying/ ant but no ght and th not conn forested a t, fence row n to: Paint Licl | y of the su : poor). 'foraging ot ubiquito reefalls all ected to of areas. w, or othe s, KY. 4044 | mmer. Fly ous, Trees ow for free ther areas o r wooded o 61 | greater th quent sma of trees. corridor. | han 15" I all openin | s are DBH ngs a |

| Site Lo Count Lat/L | ocation_ y_Se on ; UTN | 1200000 1200 1: N/E_4 | off . 1.184 | State_ | OH _W/N_ | -82 | Time Up | 8:3 | Zone | ne Dowr | Datum⊥ | DAD83 | Observe | rs MTH | RRR | - c o | PPE | P |
|---------------------------|------------------------------|-----------------------------|----------------|-------------|---------------------------------------|-------------|----------|------|---------------|---------|---------------------------------------|---------------|-------------|------------|---------------|------------|----------|-----------|
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | e % | | v | Vax / Wan |
| 1 | 9:10 | EPFU | J | F | NR | 145 | 46 | C | 1 | 0 | 1.000 | | 1 | | 1 | Rise | | Set |
| 2 | 9:20 | EPFU | A | F | PL | 19 | 50 | C | 6 | 0 | - | - | - | Sun | | 060 | 23 | 2055 |
| 3 | 9:45 | EPFU | J | F | NR | 14 | 46 | C | 8 | 0 | 1 | - | 1 | Moon | | 182 | 7 | 0356 |
| 4 | 9:45 | MYSE | 5 | F | NR | 6 | 36 | B | 3 | 0 | l | 17344 | 1 | | | | | |
| 5 | 10:35 | EPFU | A | F | PL | 19.5 | 45 | B | 8 | 0 | | 1 | | Time | Tomp (F) | Sky | Wind | No Bate |
| 6 | 12:50 | EPFU | A | M | S | 16 | 45 | Ĉ | 2 | Õ | | | | Time | remp (r) | SKY | wind | INO. Date |
| 7 | (| | . 1 | 1.1.1.1 | | 1. | | - | h | | | | | 9:00 | 80 | 1 | 0 | 9 |
| 8 | | | | 1276 | | | | | 1 | _ | · · · · · · · · · · · · · · · · · · · | | | 10:00 | 74 | 1 | 0 | 1 |
| 9 | | | | | | | | | · · · · · · · | / | | | 1 | 11:00 | 69 | 0 | 0 | 0 |
| 10 | | | | S - 4 - 1 | · · · · · · | | | | | | | | · · · · · / | 12:00 | 65 | 0 | 0 | 1 |
| 11 | 2 | | 1 | 1 |) | 1 | | 1911 | | | 12200 | | · | 1.00 | 65 | 0 | 0 | 6 |
| 12 | | | | i | | | | | | | | | | 2.00 | 63 | 0 | 0 | 0 |
| 13 | | - | | | [] | 1 | | | | | 1 | | | | | | 11.01.1 | 1 |
| 14 | | | | | 1 | | | | 10.000 | | 1.177.1 | | | | | | | |
| 15 | | 1 | | 1 | | 1 | | 1 | 1 | | | | | | | | | |
| 16 | · · · · · | | | | | 1 | | | (| | | | 1 I | 1 | 5 | ky Code | | |
| 17 | 31 | · | | 1 | - | 1.1 | 1 | | (| | 2 | | | 0 | Clear | _ | | |
| 18 | | | 1 | 1 | | |)****** | 1 | 1 | | · · · · · · · · | | | 1 | Few Clouds | S | | |
| 19 | | 1 | | · · · · · · | · · · · · · · · · · · · · · · · · · · | 15.20 | 1 | | C. costa | _ | | | | 2 | Partly Clou | dy | | |
| 20 | | | | | | | | | | 1 | | | | 3 | Cloudy or o | overcast | | |
| 21 | ÷ | | | 11 | | 1000 | | | | | 1 | 1 | Y | 4 | Fog or smo | ke | | |
| 22 | | | | 1 | NECT N | | | 1 | | · | 1 | (| | 5 | Drizzle or l | ight rain | - | |
| 23 | | | | | V | | 1 | | | | | | 1 | 6 | Heavy rain | - thunde | r storm | |
| 24 | | | 1 | | | 1211 | | 5.37 | | 1 | | | | | | - | | |
| 25 | | | | | | 1 | | | (| 2 | (* | | | · | Beauf | ort Wind | Scale | |
| 26 |) | | 11 | | (| | | 1 | | | | | | 0 | Calm: <1 m | ph | | |
| 27 | 1 | 2 | | | 1. | 1 | | | | 1 | | | | 1 | Light air: 1- | 3 mph | | |
| 28 | 1 | | | | | | | | | | | C | 1 | 2 | Light breez | e: 4-6 mp | h | |
| 29 | ji(| | | | 1 | | | - | A | 1 | | | | 3 | Gentle bree | ze: 7-10 n | nph | |
| 30 | | | 15 | | | | (20. TH) | | 1.000 | 1 | | 1.1.1 | | 4 | Moderate b | reeze: 11- | 16 mph | |
| Acous | stic Surv | vey: Unit typ | e | | Unit # | | Date | _ | Start tim | ne | | Stop time_ | | | | | | |
| | | | | | | | Date | | Start tim | ne | - | Stop time_ | | Please Ret | turn to: | | | |
| Veat | erproo | fing | | | | | Date | atas | Start tim | ne | | Stop time_ | | P.O. Box 7 | 3, Paint L | ick, KY, | , 40461. | |

| .at/L | on ; UTM | I: N/E 41.1 | 845 | State_ | _W/N_ | -82; | 9356 | 0.0 | Zone | | Datum N | JAD83 | Observe | TS MTM , R | 88 | - C 0 | PPER | HEAD |
|-------|----------|---------------------------------------|-----|--------|-------------|-------------|---------|-----|---------------|---------------------------------------|-------------|---------------|-----------|------------|--------------|-----------|----------------|------------|
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | se 50 % | | P | Tax / Wane |
| 1 | 9:45 | EPFU | A | F | PL | 20 | 42 | A | 5 | 0 |) | | 1 | | | Rise | 2 | Set |
| 2 | 10:15 | EPFU | A | M | S | 17 | 46 | Ċ | 2 | 0 | - |) | - | Sun | | de | 13 | 205 |
| 3 | 10:15 | EPFU | A | F | L | 17.5 | 45 | B | 5 | 0 | (|] | _ | Moon | | 142 | 10 | - |
| 4 | 10:15 | EPFU | E: | scape | e | | | 1.5 | CL . | | | 10-1-1- | | | - | | · · · · · | |
| 5 | 10:45 | FPFU | A | F | PL | 16.5 | 50 | B | 2 | 0 | - | - | | Time | Temp (F) | Sky | Wind | No Bats |
| 6 | 10:45 | EPFU | A | M | 5 | 17.5 | 49 | C | 10 | 0 | - | ~ | - | | remp (r) | Chij | | |
| 7 | 11:30 | EPFU | 5 | F | NR | 13.5 | 43 | С | 6 | 0 | - | 1 | - | 9:00 | 79 | 1 | 0 | 1 |
| 8 | 1:15 | EPFU | A | F | PL | 22.5 | 47 | C | 5 | 0 | - | - | - | 10'00 | 77 | 1 | 0 | 5 |
| 9 | 1 | 6 march | 1 | 1 | | | | | | | | D | | 11 20 | 75 | 0 | 0 | 1 |
| 10 | 1 | | | | - | · · · · · | | | - | | | | | 12 00 | 72 | 0 | 0 | 0 |
| 11 | 1 | | | | | · | - | | i = -i | | | | | 1:00 | 72 | 0 | 0 | |
| 12 | · · | | 1 | 1 | | | | | 1 | | 1 | | | 2:00 | | | 12.27 | |
| 13 | - | | | 1 | | 2 | | - | | | | | | | | - | | |
| 14 | | | - | 1 | | | | | | | 1 | | | | 1 | 1.1 | (J. 100 J. 10) | |
| 15 | 1 | | 1.1 | 0 | 10000 | 1-1-1 | 1 | | 1.000 | C | 1.00 | Sec. 1 | 1 | | | | | |
| 16 | _ | | - | 1 | | | | | | | | | | | | Sky Code | | |
| 17 | 1 | · · · · · · · · · · · · · · · · · · · | - | 1.1.1 | 1000 | 1.00 | | | | | | | | 0 | Clear | _ | | |
| 18 | 1 | | | 1 | | | P | | | · · · · · · · · · · · · · · · · · · · | · · · · · · | | 1 mar 1 m | 1 | Few Cloud | S | | |
| 19 | 1 | | | | | | | | 12-24 | | | | | 2 | Partly Clou | idy | | |
| 20 | | | - | | _ | - | | - | | _ | | | _ | 3 | Cloudy or | overcast | _ | |
| 21 | - | | | | | - | | | L | | | | | 4 | Fog or smo | ke | | |
| 22 | | | | 1 | · · · · · · | | | _ | | | | | | 5 | Drizzle or | ight rain | | _ |
| 23 | | _ | | | | 1 | | _ | - | | | | | 6 | Heavy rain | - thunde | r storm | |
| 24 | | | - | | - | 1 | | | | | | | | | | | | |
| 25 | | | - | - | | | | | - | | | | 1 | | Beau | tort Wind | 1 Scale | |
| 20 | - | _ | - | - | | | | _ | | | | 1 1 1 | | 0 | Calm: <1 m | uph i | | |
| 2/ | | | - | | | | | _ | | | | | | 1 | Light air: 1 | -3 mph | | |
| 20 | | | | 1000 | | | | _ | - | - | | | | 2 | Light breez | e: 4-6 mp | h | |
| 29 | - | | | | | - | - | _ | | | | | | 3 | Gentle bree | ze: 7-10 | nph | _ |
| 50 | | 2 | | 1 | | | - | | | | | | 5 | 4 | Moderate b | reeze: 11 | -16 mph | |

| Lat/Lon | ; UTM: N/E_ | 41.1845 | W/N_ | - 82.9356 | | | Zone - | \sim | | Observers_ | MTM, RR | R | _ | | | _ |
|---|---|--|--|--|--|--|--|---|---|--|---|---|---|---|---|------------------------|
| Datum: | NAD83 | County_ | NBCA. | State 04 | 10 | Quad_ | FIRES | DE | | | | | | | | _ |
| Site Diag | gram: \ | 1/ | | // | H | Height | Length | 1 | | | | Domin | nant Veg | etation | | |
| | \sim | 100 | 502 | (1000 N | Jet | (m) | (m) | Da | ates | 1. RED MAP | E | | 4 | | | |
| | Cal | for w | // A | | A | 6 | 6 | 7-24 | 7.8 | 2. RED BAN | 4 | | 5 | | | |
| 100 | 05 | 9 | / | 11 | В | 6 | 9 | 7.24 | 7.20 | 3. HICKORY | _ | | _6 | _ | | |
| 0.10- | t | [| | 5 | C | 9 | 12 | 7-24 | 7.28 | 1.00 | | - | S | | | |
| | ant | B woods !! | 03000 | | D | 6 | 6 | 7.24 | 7-28 | 1 | _ | Net | Set by H | abitat | | _ |
| | | | | | E | | | | - | Habitat | A | В | C | D | E | 1 |
| | | | | | F | | 1 | | | River | 1 | | 12.1 | 1 2 1 |) - 1 - | |
| | | DITOR | | | | | 1 - 1 | - | | Stream | | | - | 2.24 | | 1 |
| - | | | ~~~~ | | | C. 2. | 1 | | | Pond | | 1 | ~ | | | 1 |
| | 5 | | | S | ite Pl | hotogr | aphs | | | Corridor | ~ | V | | ~ | | _ |
| 44 | 5 | out | | C | ame | ra: | - | | | Cave | ÷ 1 | | - | | | - |
| De J | 2 (| MOON | | P | hoto | Log:_ | | | | Mine | · · · · · · · · | | | | | |
| Free | 7 | 2 | E | | | - | | | _ | Forest | | | | | | |
| | 1-1- | T | PAIL | - | | | | | | Gap | | | | | |) |
| | 10 | | - | S | _ | | | | - | Other | | | | | | |
| | | NOOPS | | | | | | | | | | | | | | |
| ndiana 2 | Bat Habitat <u>Roost habita</u> 2. Moderate: | Characterizat t 1. Poor: No c Snags with slou | ion (Choose a or few snags >= 1ghing bark or c | ppropriate sco 5" DBH with slo other roost featur | re fo ughin es pro | or each ng bark resent 5 | habitat or othe -15 inch | t charac t r usable i DBH wit | teristic) roost fea thin 1000 | tures (cracks,) feet of forest | crevices, e ed areas. | etc) | | | | |
| ndiana 2 2 2 | Bat Habitat <u>Roost habita</u> 2. Moderate: 3. Optimal: S <u>Water Resour</u> 2. Moderate: openings or c 3. Optimal: S available. <u>Forest Struct</u> 1. Poor: Habi 2. Moderate: may be prese 3. Optimal: M gaps that faci Land Cover: | Characterizat t 1. Poor: No of Snags with sloug rces: 1. Poor: It Ephemeral or ir anopy gaps allow treams or ponds ure: (if hardwo tat even aged ar some diversity nt but rare. Mature forest. D litate bat foragi 1. Poor: Square | ion (Choose a or few snags >= or few snags >= or few snags >= or few snags or or or the start of the or the start of the start of the start of the or the start of the start of the or the start of the start of the start of the or the start of the start of the start of the or the start of the start of the start of the start of the or the start of the start of the start of the start of the or the start of the start of the start of the start of the or the start of the start of the start of the start of the or the start of the start of the start of the start of the or the start of the start of the start of the start of the or the start of the or the start of the start | ppropriate sco 5" DBH with slo other roost feature ources not presen ams or ponded an cess to the resour d ruts) present th or nearly absent of s smaller than 5 if in the stand. Tree ses of trees presen | re for ughin es pres s pres nt at t reas p ce. nat ap or if s nch I s 5 to nt. Tr domi | or each ng bark esent 5 sent >1 the site present ppear to stand is DBH. U o 15 inc rees > 1 inantly | habitat cor othe -15 inch D 5 inch D but too o offer du monocu Judersto hes pres 5 inch D un-fores | t charact r usable r DBH with BH with cluttered rinking r alture, are ory growt ent. Und DBH frequ | teristic) roost fea thin 1000 in 1000 f to allow esource ea auton th clutter derstory uent. Va | tures (cracks,) feet of forest eet of forest w many bats to throughout th natically quali red and restric clutter domin arying tree hei | crevices, e ed areas. areas. drink eas e majority fies as a 1 fies | etc) sily or simu y of the sur poor). foraging of ubiquito reefalls allo | ultaneous mmer. Fly us. Trees ow for free her areas | ly. No cor ways to r greater th quent sma of trees. | rridors, esources an 15″ E Il openir | s are DBH ngs an |
| 2 2 2 2 2 | Bat Habitat <u>Roost habita</u> 2. Moderate: 3. Optimal: S <u>Water Resour</u> 2. Moderate: openings or c 3. Optimal: S available. <u>Forest Struct</u> 1. Poor: Habi 2. Moderate: may be prese 3. Optimal: M gaps that faci <u>Land Cover</u> : 2. Marginal: 3. Optimal: 4 <u>Struct</u> | Characterizat t 1. Poor: No of Snags with sloug nags with sloug rees: 1. Poor: h Ephemeral or in anopy gaps allo treams or ponde treams or ponde treams or ponde ure: (if hardwo tat even aged an some diversity nt but rare. Mature forest. D litate bat foragi 1. Poor: Square Trees present in Area is largely for Score (Should b | ion (Choose a or few snags >= ughing bark or or pating bark or or pat drinking res- netermittent strea- ow bats easy acco s (including roa ods are absent on a young. Tree- in age of trees in viverse age class ng. e kilometer surra the form of smorested. Woode e between 4 & 1 | ppropriate sco 5" DBH with slo other roost feature ources not present ams or ponded an ress to the resour d ruts) present th or nearly absent of s smaller than 5 is in the stand. Tree ress of trees present ounding site pre- nall woodlots and ed stands are con 2) | re for ughin es pres s pres tat t reas p ce. aat ap or if s s 5 to nch I s 5 to nt. Tr domi l woo necte | or each ng bark resent 5 sent >1 the site. present ppear to stand is DBH. U o 15 inc rees > 1 inantly oded fe ed to ot | habitat corothe -15 inch D but too o offer di monocu Judersto hes pres 5 inch D un-fores nce rows her woo | t charact r usable i DBH with BH with cluttered rinking re ilture, are ory growt ent. Und DBH frequ sted. Few 5. Little c ded stan | teristic) roost fea thin 1000 in 1000 f to allow esource ea auton th clutter derstory uent. Va v mature connection ds via w | tures (cracks,) feet of forest eet of forest eet of forest w many bats to throughout th natically quali red and restric clutter domin arying tree hei e trees present on to adjacent ooded stream | crevices, e ed areas. l areas. drink eas e majority fies as a 1: cts flying/ ant but no ght and tr not conne forested a , fence rou | etc) sily or simu y of the sur poor). foraging of ubiquito reefalls allc ected to other areas. w, or other | ultaneous nmer. Fly us. Trees ow for free her areas o wooded | ly. No cor yways to r greater th quent sma of trees. corridor. | rridors, esources an 15" E Il openir | s are DBH ogs ar |
| 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Bat Habitat <u>Roost habita</u> 2. Moderate: 3. Optimal: S <u>Water Resour</u> 2. Moderate: openings or c 3. Optimal: S available. <u>Forest Struct</u> 1. Poor: Habi 2. Moderate: may be prese 3. Optimal: M gaps that faci <u>Land Cover</u> : 2. Marginal: A <u>Struct</u> 3. Optimal: A <u>Struct</u> 3. Optimal 3. Optimal 3. Optimal: A <u>Struct</u> 3. Optimal | Characterizat t 1. Poor: No of Snags with sloug nags with sloug rees: 1. Poor: h Ephemeral or in anopy gaps allow treams or ponds treams or ponds ure: (if hardwo tat even aged an some diversity nt but rare. Mature forest. D litate bat foragi 1. Poor: Square Trees present in Area is largely for Score (Should be | ion (Choose a or few snags >= aghing bark or of bat drinking res- to the structure of the bat drinking res- to the structure of the the structure of the ods are absent of ad young. Tree in age of trees in biverse age class ng. e kilometer surr or the form of sm or ested. Woode e between 4 & 1 | ppropriate sco 5" DBH with slo other roost feature ources not presen ams or ponded an eress to the resour d ruts) present th or nearly absent of s smaller than 5 if in the stand. Tree ress of trees presen ounding site pre- nall woodlots and ed stands are con 2) | re for ughin es pres s pres nat ap ce. nat ap or if s nch I s 5 to nt. Tr domi i woo necte | or each ng bark resent 5 sent >1 the site. present ppear to stand is DBH. U o 15 incl rees > 1 inantly oded fe ed to ot | habitat corothe -15 inch D but too o offer du monocu Judersto hes pres 5 inch D un-fores nce rows her woo | t charact r usable i DBH with BH with cluttered rinking re- liture, are ory growt ent. Und DBH frequest ted. Few s. Little c ded stan | teristic) roost fea thin 1000 f to allow esource ea auton th clutter derstory uent. Va v mature connection ds via w | tures (cracks,) feet of forest eet of forest eet of forest w many bats to throughout th natically quali red and restric clutter domin arying tree hei e trees present on to adjacent coded stream Please return P.O. Box 73 | crevices, e ed areas. areas. drink eas e majority fies as a 1 fies | etc) sily or simu y of the sur poor). foraging of ubiquito reefalls allc ected to other ected to other w, or other | ultaneous nmer. Fly us. Trees ow for free her areas wooded | ly. No cor yways to r greater th quent sma of trees. corridor. | rridors, esources an 15″ E 11 openir | a are DBH ngs ar |

OHIO BAT BANDING DATA FORM

M Location (lat/longs in D:M:S format) 41.18453/-82.93529 Principle Investigator(s) 000 Janle. 7/24/15 enera Site Description Woodlot off of County Total mist net nights Survey dates

| Band Number | N/R? | Date of Capture | Time of Capture | Habitat | Species | Arm Banded | Sex | Age | Repro- ductive Status | Weight (g) | Forearm Length |
|----------------|------|--------------------|-----------------------|---------|---------|---------------|-----|-----|-----------------------------|---------------|-------------------|
| 17344 | N | 7/28/15 | 2145 | V | MYSE | L | F | J | NR | 6 | 34 |
| | | | | | | | | | | , | |
| | | | | | | | | | - | | |
| | | | | | | | | | | - | - |
| | | | | | | | | | | | |
| | | | | | 24 | | | | | | |

N/R?: N = new capture, unbanded when captured, R = recapture, already banded when captured; **HABITAT** (at capture site): C = creek/riparian, B = bottomland forest, U = upland forest, P = pond, O = other (note type in margin); **ARM BANDED**: L = left, R = right (typically males are banded on the right forearm and females on the left); **SEX:** M = male, F = female; **AGE:** A = adult, J = juvenile, U = unknown; **REPRODUCTIVE CONDITION:** S = scrotal, P = pregnant, L = lactating, PL = post lactating, NR = nonreproductive, U = unknown

.

| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# TypeODN | Freq. | Moon Pha | se % | 77. s | - 0 | Vax / Wa |
|--------|-------|---------|-----|-----|-------|-------------|---------|-----|---------------|-----|---------|------------------|---------------------|----------|--------------|-------------|--------|-----------|
| 1 | 130 | WYSE | A | F | L | 7.0 | 35 | В | 2 | 0 | NB | ODNRX | 17179 | | | Rise | | Set |
| 2 | 130 | MYSE | A | F | L | 7.5 | 36 | B | 3.5 | 0 | B | 17178 | 172.205 | Sun | | 6121 | | 3:56 |
| 3 | 1 | | | | | | | | | | | | 1.000.1 | Moon | - | 4:32 | en. | 2:46 |
| 1 | | - | 1 | | 1 | | | | | _ | | | | 107 100 | | | | |
| 5 | 1 | | 1.7 | | | | | | | | | | | Time | Temp (F) | Sky | Wind | No. Ba |
| 5 | 1.20 | | | | | | 1 | | (| 1 | | | · | Time | remp (r) | SKy | wind | INO. Da |
| 7 | - | | | 1 | | | | | | | - | | (K | 9.00 | 71.2 | 2 | 1 | 0 |
| | · * · | | - | | | | 1 | - | 1 | 1 | | | | 10.00 | 683 | 2 | 1 | 0 |
| 2 | | | | | | | ÷ | | 1 | | E | | 1 | 11:00 | 67.2 | 3 | 1- | D |
| 0 | | | - | | | | | | | | | C. The second | 1.0 | 12:00 | 105.3 | 2 | 1 | 0 |
| | 1 | * | 3 | | | - | | | | | | | | 1.00 | 63.8 | 4 | 1 | Z |
| 4 | | | | | | | | | | | 1.11 | | 1 | 2.00 | 62.2 | 2 | 1 | - |
| 5 | | | | | | | | | | | 1000 | | 1 | | | | | 1 Charles |
| 4 | - | | - | | | c | | _ | | | | | · · · · · · · · | | - | | | - |
| 2 | - | | - | | | - | | _ | | | - | | | - | | | | |
| 7 | | | | 1 | | · | - | - | 1 | | | | | | | Sky Code | | |
| / 0 | | | | | | - | - | - | | | | | - | 0 | Clear | _ | | |
| 2 | - | | | - | - | 1 | | - | | | | | | 1 | Few Cloud | s | | |
| 2 | | | - | - | - | | | - | | | | | | 2 | Partly Clou | ıdy | | |
| - | | | 0 | | - | - | | - | | | | | | 3 | Cloudy or | overcast | | |
| , | | | 1 | | - | | | - | - | | | | | 4 | Fog or smo | ke | | |
| 2 | - | _ | - | _ | | | - | - | | - | - | | | 5 | Drizzle or | light rain | - | |
| í | - | | 1 | | - | - | | - | - | - | | | | 6 | Heavy rain | - thunder | storm | _ |
| | - | | 1 | | | | | - | - | | | | | | | | 6.1 | - 6 |
| 5 | | 1 | | | 1 | - | - | _ | | | | | | - | Beau | fort Wind | Scale | - |
| 7 | - | • | | - | | - | _ | - | | _ | - | | | 0 | Calm: <1 n | nph | _ | |
| 2 | - | | - | - | - | - | - | - | | - | | | | 1 | Light air: 1 | -3 mph | | |
| | - | | | | - | | - | - | | | 0-24 | | | 2 | Light breez | e: 4-6 mp | h | |
| | | | - | - | _ | | | | - | | | | | 3 | Gentle bree | eze: 7-10 n | nph | |
| - | | | _ | | | | 2 | | | | | | · | 4 | Moderate h | preeze: 11- | 16 mph | _ |

.*

*0DNR17179

| # Time 1 2 3 4 5 | Species | Age | Sex | Repr. | Mass | _ | | | | | | | · · · · · · · · · · · · · · · · · · · | | 1.11.21 | | |
|-----------------------|---------------------------------------|-----|-----|--------|-------|---------|-------|---------------------------------------|---------|---|---------------|---------------------------------------|---------------------------------------|--------------|-------------|----------|-----------|
| 1 2 3 4 5 | | | | | (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phase | e % C | 72.8 | y | Vax / Wan |
| 2 3 4 5 | | | | | 1 | | - | | | 1.000 | | 1 1 | | | Rise | 1 | Set |
| 3 4 5 | | | | 1 | | | | 1 | | - | | 1 | Sun | | to 1 | 13 | 8:54 |
| 4 5 | | | |)i | it | | | 1 | | · · · · · · · · · · · · · · · · · · · | | | Moon | | 6:27 | Pm- | 3.56 m |
| 5 | | | | | | | | 1.23.1 | | | | 1.1 | | | 11.81 | | |
| | | - | | | 2 | | Ac | +C | 1.1 | · · · · · · | | 11 - 10 | Time | Tomp (E) | Sky | Wind | No Bate |
| 6 | | | | | 4 | R | A | 10 | | | | 1 | Time | temp (r) | SKy | wind | INO. Dats |
| 7 | | | | Δ | 6 | 0 | 11 | 5 | | | | | 9:00 | 68.5 | 0 | | 0 |
| 8 | · · · · · · · · · · · · · · · · · · · | | | 1 | 00 | | | | | · · · · · · · | | | 10:00 | 107.5 | 0. | 2 | 0 |
| 9 | | 1 | | - 1 | | | | | | | | 1 | 11:00 | 100.7 | 1 | 2 | 0 |
| 10 | | | | | | | | | | | | | 12:00 | 65.4 | 0 | 1 | 0 |
| 11 | 1 | | | | | | | i | | 1 | | | 1:00 | 65.3 | 0 | P 1 | 0 |
| 12 | · | | V | | | | | | | | | | 2:00 | 64.5 | 0 | 1 | |
| 13 | 1. | | | | | | | | F | | | · · · · · · | 1000 | (| | | - |
| 14 | | | | 1 | 1.11 | | | 1.11 | 1000 | 1.000 | | - | |) — | | | |
| 15 | | 1 | | | | | | 1 | | S | | | | | - | - | |
| 16 | | 1 | | £ | | | | | | | | | 1 | | Sky Code | | |
| 17 | 9 | 41 | | | | | | | | 5 | | | 0 | Clear | 1000 | | |
| 18 | | | 1 | | | | | _ | II | (· · · · · · · · · · · · · · · · · · · | | | 1 | Few Cloud | ls | | |
| 19 | 4 | 1 | | 177710 | 0.000 | 1 | 1 | (| | C | (| | 2 | Partly Clo | udy | | |
| 20 | | | | | | 1.11 | |) i i | | · · · · · · | | | 3 | Cloudy or | overcast | | |
| 21 | 1,777 - 1 | 1 | | | 10.21 | 1100.01 | | · · · · · · · · · · · · · · · · · · · | 1.11 | | 1 | A | 4 | Fog or smo | oke | | |
| 22 | | | | | 1.0 | | | (T | f 10 1. | 1 | | £ | 5 | Drizzle or | light rain | | |
| 23 | | 1 | | | | | | | | | - | · · · · · · · · · · · · · · · · · · · | 6 | Heavy rain | n - thunde | r storm | |
| 24 | | | 1 | | | | | | 1.1 | | | | | | | 1 | |
| 25 | | p | | | | | | | (C.) -1 | | | | | Beau | fort Wind | Scale | |
| 26 | | | | 1 | | | | | 1 | | 1 | | 0 | Calm: <1 r | nph | | |
| 27 | | | | 1 | | 1 | - 1 | 1 | 1 | | | - N | 1 | Light air: 1 | -3 mph | | |
| 28 | | | | | | | | | 1.00 | 1 | | <u></u> | 2 | Light bree | ze: 4-6 mp | h | |
| 29 | | | | | | | | | 1. | | | 9 | 3 | Gentle bre | eze: 7-10 1 | nph | |
| 30 | | 1.0 | | | 1 | | | | | | | | 4 | Moderate | breeze: 11 | -16 mph | |
| coustic Surv | ey: Unit typ | e | | Unit # | | Date | | Start tin | ne | | Stop time | | 200 - Carlos | | - | | |
| | | | | | | Date | | Start tin | ne | 1.1 | Stop time | 1.0 | Please Ret | urn to: | | | |
| | | | | | | Date | | Start tin | ne | | Stop time | | P.O. Box 7 | 3, Paint I | lick, KY | , 40461. | |
| /eatherproof | ing | | | | 6-2 | Coordin | ates_ | | | | | | (859) 925- | 9012 | | | |
| ommonto | | | | | | | | | | | | | | | | | |

| a second of the | on; UTM: N/E 71, 17009 | W/N 82.8 | 19062 | | Zone - | _ | Observers | TStor | mi T. | 151.000 | 2.5 | | |
|----------------------------|--|---|---|--|--|---|--|---|---|---|---|--|------------------------|
| Datu | m: NA1083 County Server | a 9 | tate OH | Ouad | Fires | ide_ | e e b ber rens_ | | | - ge | | | |
| Site I | Diagram: | AJ | | Height | Length | | 1 | - | Domin | ant Veg | getation | | - |
| | 11 24 | A | Net | (m) | (m) | Dates . | 1. Stere | 1 yelm | 1 | 4. Gre | Rn Arh | | _ |
| | 1 St Fourst | 4 | Α | 6.2 | 10 | 7/26+7/28 | 2. Americ | in elm | | 5 | | | |
| | CARG | 1 | В | 7.8 | 9 | 7/2697/23 | 3. Hack | berry | | 6 | | | |
| | (1)663 1 | | C | 5.2 | 6 | 7 2614128 | | | | | | | |
| | 11813 | 100 | D | 5.2 | 0 | 7/2697/23 | | - | Net S | et by H | abitat | | |
| | * 150 1 5 | Dr. Deart | E | | 1 | | Habitat | Α | B 3 | С | D | E | I |
| | e Htt A | - C. | F | | | | River | | | | 1 | 1.000 | - |
| in. | O DET | | - | - | - | - | Stream | | | | X | | - |
| | 1 23 | | Site | Photom | anhe | | Corridor | ~ | V | 12 | 1 | | |
| | Encoul 1 | | Can | r notogi | upits | | Cave | × | x | X | and the particular | | - |
| | Vines. | | Pho | to Log: | - | | Mine | | | | | - | - 24 |
| | 521 | | | 0 | | | Forest | | | | | - | - |
| | Foleit and | | - F | | | | Gap | | × | | | | |
| | 1 all | | 1.5 | | | | Other | 1 | | | | | - |
| | Lucas 13 | | | | _ | | 1000 | | | | | 7 E 1 | |
| _ | 115 | 4 | | | | | | | | | | | |
| ndia 3 | na Bat Habitat Characterization (C Roost habitat: 1. Poor: No or few s | hoose appropr mags >= 5" DBH | iate score f with sloug | f or each hing barl | habitat | characteristic) usable roost feat | tures (cracks, | crevices, e | etc) | | | | - |
| ndia 3 3 | na Bat Habitat Characterization (C <u>Roost habitat</u>: 1. Poor: No or few s 2. Moderate: Snags with sloughing b 3. Optimal: Snags with sloughing b Water Resources: 1. Poor: bat drin 2. Moderate: Ephemeral or intermition popenings or canopy gaps allow bats 3. Optimal: Streams or ponds (incluavailable. Forest Structure: (if hardwoods are 1. Poor: Habitat even aged and your 2. Moderate: some diversity in age of may be present but rare. 3. Optimal: Mature forest. Diverse | hoose appropr snags >= 5" DBH bark or other roos ark or other roos aking resources n tent streams or p easy access to th ding road ruts) p e absent or nearly ng. Trees smaller of trees in the sta age classes of tre | iate score f with slough st features p ot present a onded areas e resource. resent that absent or if than 5 inch nd. Trees 5 es present. | for each hing barl present 5 resent >1 t the site s present appear to f stand is n DBH. U to 15 inc Trees > 1 | habitat or other -15 inch l 5 inch Dl but too c o offer dr monocu Jnderston hes prese 5 inch D | characteristic) usable roost feat DBH within 1000 BH within 1000 fe cluttered to allow inking resource t lture, area autom ry growth cluttere ent. Understory c BH frequent. Var | tures (cracks, feet of foreste eet of forested many bats to hroughout th atically quali ed and restric clutter domin | crevices, e ed areas. I areas. o drink eas ne majority fies as a 1: cts flying/ ant but no cept and tra | etc) illy or simul of the sum poor). foraging t ubiquitous | ltaneousl mer. Fly s. Trees | ly. No co ways to r greater th | rridors, resources nan 15″ E | s are DBH |
| ndia 3 3 | ma Bat Habitat Characterization (C <u>Roost habitat</u>: 1. Poor: No or few s 2. Moderate: Snags with sloughing b 3. Optimal: Snags with sloughing b Water Resources: 1. Poor: bat drin 2. Moderate: Ephemeral or intermition optimal: Streams or ponds (incluation) available. Forest Structure: (if hardwoods are 1. Poor: Habitat even aged and your 2. Moderate: some diversity in age of may be present but rare. 3. Optimal: Mature forest. Diverse agaps that facilitate bat foraging. Land Cover: 1. Poor: Square kilom 2. Marginal: Trees present in the for 3. Optimal: Area is largely forested | hoose appropr snags >= 5" DBH bark or other roos ark or other roos aking resources n tent streams or p easy access to th ding road ruts) p e absent or nearly ng. Trees smalle of trees in the sta age classes of tre eter surrounding rm of small wood . Wooded stand een 4 & 12) | iate score f with slough st features p ot present a onded areas e resource. resent that absent or if than 5 inch nd. Trees 5 es present. site predor flots and was a are connect | for each hing bark present 5 resent >1 t the site s present appear to f stand is n DBH. U to 15 inc Trees > 1 ninantly ooded fe ted to ot | habitat or other -15 inch l 5 inch Dl but too c o offer dr monocu Jnderston hes prese 5 inch D un-forest nce rows her wood | characteristic) usable roost feat DBH within 1000 fe duttered to allow inking resource t lture, area autom ry growth cluttere ent. Understory c BH frequent. Var ted. Few mature Little connectio ded stands via wo | tures (cracks, feet of foreste eet of forested many bats to hroughout th atically quali ed and restric clutter domin rying tree hei trees present n to adjacent boded stream Please retur | crevices, e ed areas. I areas. o drink eas ne majority fies as a 1: cts flying/ ant but no ght and tro forested a forested a , fence row n to: | etc) illy or simul of the sum poor). foraging t ubiquitous eefalls allow ected to othe reas. v, or other v | Itaneousl mer. Fly s. Trees v for free er areas o vooded o | ly. No co ways to r greater th quent sma of trees. corridor. | rridors, resources nan 15" E nll openir | s are DBH ngs ar |
| 11 2 2 11 Comm | na Bat Habitat Characterization (C <u>Roost habitat</u>: 1. Poor: No or few s 2. Moderate: Snags with sloughing b 3. Optimal: Snags with sloughing b <u>Water Resources</u>: 1. Poor: bat drin 2. Moderate: Ephemeral or intermition openings or canopy gaps allow bats 3. Optimal: Streams or ponds (incluation available. <u>Forest Structure</u>: (if hardwoods are 1. Poor: Habitat even aged and your 2. Moderate: some diversity in age of may be present but rare. 3. Optimal: Mature forest. Diverse agaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilom 2. Marginal: Trees present in the for 3. Optimal: Area is largely forested Total Habitat Score (Should be between nents: | hoose appropr mags >= 5" DBH bark or other roos ark or other roos aking resources n tent streams or p easy access to th ding road ruts) p absent or nearly ng. Trees smaller of trees in the sta age classes of tre eter surrounding rm of small wood . Wooded stand een 4 & 12) | iate score f with slough st features p of present a onded areas e resource. resent that absent or if than 5 inch nd. Trees 5 es present. site predor flots and was are connec | for each hing barl present 5 tesent >1 t the site s present appear to t stand is DBH. U to 15 inc Trees > 1 ninantly ooded fe ted to ot | habitat or other -15 inch D 5 inch D but too c o offer dr monocu Jnderston hes prese 5 inch D un-fores nce rows her wood | characteristic) usable roost feat DBH within 1000 BH within 1000 fe cluttered to allow inking resource t liture, area autom ry growth clutter ent. Understory c BH frequent. Var ted. Few mature Little connectio ded stands via wo | tures (cracks, feet of forested many bats to hroughout th atically quali ed and restric dutter domin rying tree hei trees present n to adjacent boded stream Please retur P.O. Box 73, | crevices, e ed areas. I areas. o drink eas o drink eas ne majority fies as a 1: cts flying/ ant but no ght and tro forested a forested a forested a forested a forested a forested a | etc) ily or simul of the sum poor). foraging t ubiquitous eefalls allow ected to othe reas. v, or other v | Itaneous mer. Fly s. Trees v for free er areas o vooded o | ly. No co ways to p greater th quent sma of trees. corridor. | rridors, resources nan 15" E nll openir | DBH ngs ar |

OHIO BAT BANDING DATA FORM

| Band Number | N/R? | Date of Capture | Time of Capture | Habitat | Species | Arm Banded | Sex | Age | Repro- ductive Status | Weight (g) | Forearm Length |
|----------------|------|--------------------|-----------------------|---------|---------|---------------|-----|-----|-----------------------------|---------------|-------------------|
| ODWE | A 1 | 12 0 | 2120 | 0 | MANICE | 9 | | F | 1 | | 05 |
| 17178 | N | 7-26-15 | 0130 | C | MUSE | L | A | F | L | 7.5 | 36 |
| | | | | | | | | | | | |
| | | | | | | - | | | | | |
| | _ | | | | | | | | | | |
| | _ | | | | | 1 | | | | | |

N/R?: N = new capture, unbanded when captured, R = recapture, already banded when captured; **HABITAT** (at capture site): C = creek/riparian, B = bottomland forest, U = upland forest, P = pond, O = other (note type in margin); **ARM BANDED:** L = left, R = right (typically males are banded on the right forearm and females on the left); **SEX:** M = male, F = female; **AGE:** A = adult, J = juvenile, U = unknown; **REPRODUCTIVE CONDITION:** S = scrotal, P = pregnant, L = lactating, PL = post lactating, NR = nonreproductive, U = unknown

| oun t/L | ty_Sev on;UTM | 1: N/E <u>N4</u> | 1.224 | State_ 734 | OH _W/N_ | ω - · | Time Up 83.02 | 9:0 | Zone | ne Dowr | n <u>2:00</u> Datum | NAD83 | Observe | rs <u>ES</u> ,- | TAB | - c o | PPER | |
|------------|------------------|---------------------------------------|-----------|---------------|-------------|-------------|------------------|------|---------------|----------|------------------------|---------------|-----------------|-----------------|--------------|-------------|----------|------------|
| ¥ | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | e % | | v | Vax / Wane |
| 1 | 10:40 | LABO | 5 | M | NR | 119 | 39 | B | 1.5 | 1 | - | - | 4 | A | | Rise | | Set |
| 2 | 1.1.1.1 | | | 2.41 | | 1 | | | 1.1 | | | | | Sun | | Ole | a | 8:59 |
| 3 | | | | | · * | B | 1.00 | | 2 | | | | | Moon | | 132 | 8 | 0045 |
| Ł | | | - | | | 1 | | | 1.11 | | 1.200 | | | | | | | |
| | | | | | | | | | | - | | | 1 | Time | Temp (F) | Sky | Wind | No. Bats |
| | | | 10 | | | 0 | | 100 | | | 132 mil | | 1.000 | 9:00 | 78 | 0 | 0 | 0 |
| | | | | | 1 | | | | 1.2.1 | | | | 1.1 | 10:00 | 75 | 0 | 0 | 1 |
| n" | | | 1 | | | 1.5 | | | | 1 | | | 1 | 11:00 | 72 | 0 | 0 | 0 |
| 0 | | | 1 | | | | | | | | | | | 12:00 | 68 | 0 | 0 | 0 |
| 1 | | | | | | [T | | | | | | | | 1:00 | 68 | 1 | 0 | 0 |
| 2 | | 6 | | | 10.00 | 1 | | | | | | | | 2:00 | 67 | 1 | 0 | 0 |
| 5 | | | | | | | | | | | | | ni i i i i i i | | | | 1 | 1.00 |
| 1 | | | 1 | | | | | | 1 | | | | | 1 | 1 = 7 21 | | Sec. 199 | |
| 5 | 1 | | 1 | | 14 | 12.1 | 1 | | | | 2.11 | | 1.00 | | 1 | S. 1004 | | |
| 5 | | | 1.0 | | | | | | | 1 | | | · · · · · · · · | | | Sky Code | | |
| 7 | | | | - | L Ek | | | | - | | | | | 0 | Clear | 1.1 | | |
| 8 | - | | | | 12 14 | | | | | <u>}</u> | | | 2 | 1 | Few Cloud | S | | |
| 9 | | · · · · · · · · · · · · · · · · · · · | · · · · · | | | L | | | | | | | | 2 | Partly Clou | ıdy | | |
|) | 1000 | | | 100 | 1.0 | 1 | | | 1. J. T. | | | 1000 | 1 | 3 | Cloudy or | overcast | | |
| 1 | M | | | | 10.00 | | | | 10.00 | | | | | 4 | Fog or smo | ke | | |
| 2 | | | 1 | | | | | | | | | | | 5 | Drizzle or l | light rain | | |
| 5 | | | | | 1.1.1 | diam'n | | | 1 | | | 1 E | | 6 | Heavy rain | - thunde | r storm | |
| | | | 1.20 | 1 | 12.77 | | | | | - | | 1 | | | | | | |
| 5 | | | | | | | | | | | | | | | Beau | fort Wind | d Scale | |
| 2 | | | | | ÷ | | | | | | 1 | 2 | 1 | 0 | Calm: <1 m | nph | | |
| / | | | | | | | - | | 1.1 | | · · · - 1 | | | 1 | Light air: 1 | -3 mph | | |
| 5 | 1 | | | | | | | | 1 | | | | | 2 | Light breez | e: 4-6 mp | h | |
| 1 | L | | | | | | - | | 1.1 | - | 1 | 1 | 1.000 | 3 | Gentle bree | eze: 7-10 1 | nph | |
|) | | | | - | | | | | | - | | | | 4 | Moderate b | oreeze: 11 | -16 mph | |
| ou | stic Surv | ey: Unit typ | e | | Unit # | - | Date | _ | Start tin | ne | | Stop time_ | | | | | | |
| | | | | | | | Date | - | Start tin | ne | | Stop time_ | | Please Re | turn to: | Sec. | | |
| | | | | | | | Date | | Start tin | ne | | Stop time_ | | P.O. Box | 73, Paint L | ick, KY | , 40461. | |
| at | herproof | ing | | | | | Coordin | ates | - | | | | - | (859) 925- | 9012 | | | |
| m | ments. | | | | | | | | | | | | | 1 P | | | | |

| ount at/L | on; UTN | 1: N/E <u>N4</u> | 1.224 | State_ 134 | OH W/N | orthe w-8 | Time Up 3.028 | Rd. 8:5 | <u>Spr</u> Tin Zone | ne Down | Datum_♪ | VAD83 | _ Observe | rs ES, T | AB | - c o | PPER | - |
|--------------|---------|---------------------------------------|-----------|---------------|---------------|-------------|------------------|------------|---------------------------------------|---------|---------|---------------|-----------------|------------|--------------|-------------|---------|-------------|
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phase | e % | 60 | (V | Vax) / Wand |
| 1 | 10:50 | PESU | 5 | F | NR | 7 | 35 | A | 3 | 0 | - | <u> </u> | - | S | | Rise | - | Set |
| 2 | 12120 | EPFU | A | F | PL | 19 | 48 | A | 2.5 | 0 | . — | - | - | Sun | | 06 | 22 | 8.54 |
| 3 | 12:30 | LABO | ÷ | - | - | - | - | A | 6 | + | ESCA | PED N | ET | Moon | | 17 | 31 | 0241 |
| 4 | | | | | | | | | | 1000 | 1 | | | 1 | | | | |
| 5 | | · · · · · · · · · · · · · · · · · · · | | | | 1 | · · | | | 1.000 | | | | Time | Temp (F) | Sky | Wind | No. Bats |
| 6 | 2-21 | | - | | 1.2.1 | | | | | - | | | | 1.0.0 | | | | |
| 7 | | | (| - | - | - | | _ | - | | - | - | - | 9:00 | 19 | _ | 0 | 0 |
| 0 | | - | - | | | - | | _ | - | | | | - | 10:00 | 75 | 1 | 0 | 1 |
| 10 | | | | | | - | | | | | | | | 11:00 | 73 | 0 | 0 | 0 |
| 10 | - | - | - | _ | | - | _ | | | - | | | - | 12,00 | 10 | 0 | 0 | - |
| 11 | - | | - | | | - | | | | | - | | - | 2:00 | 10 | 0 | 0 | 0 |
| 12 | | | - | | | | | | | | | | | d.00 | 68 | 0 | 0 | 0 |
| 14 | - | | - | | | | | | | - | | | | | | - | | - |
| 15 | | | | | - | - | | | | | | - | | L | | | | |
| 16 | | | | | 1 | | | | · · · · · · · · · · · · · · · · · · · | - | | | | | - | Sky Code | | |
| 17 | | | | | | | | | 1 | | | | | 0 | Clear | | | |
| 18 | - | | | | 100 | | 1 | | 1 | | | | | 1 | Few Cloud | s | | |
| 19 | | | | | - | | 1 | | · · · · · · · · · · · · · · · · · · · | | 15.000 | | | 2 | Partly Clou | idy | | |
| 20 | | | | | | | | | 2 | | | | | 3 | Cloudy or | overcast | 4 | |
| 21 | | | 0 | | | 1 | | | 1.000 | | | | | 4 | Fog or smo | ke | | |
| 22 | | | 1.1.1 | | | | - | _ |) | | | | | 5 | Drizzle or | light rain | | |
| 23 | | | () === t; | | | | 1 | | 3 E | | - | | | 6 | Heavy rain | - thunde | r storm | |
| 24 | | | 0 == 0 | 1 | | | | | | | | | · · · · · · · · | | | | | |
| 25 | | | 1.000 | - | | | 1 | | 10.000 | 2 | · | | | | Beau | fort Wind | l Scale | |
| 26 | | | 11 | | 1 | | | | 2 | _ | - | | | 0 | Calm: <1 n | nph | | |
| 27 | | | 1 | | · · · · · · · | | - | | | | | | | 1 | Light air: 1 | -3 mph | | _ |
| 28 | - | | 1 | | | | | - 1 | | | | | | 2 | Light breez | e: 4-6 mp | h | |
| 29 | | | | | | 1 | | | - | | | | 1 | 3 | Gentle bree | eze: 7-10 r | nph | |
| 3U | 1 | and the second second | 11.11 | | | | | | | | | | | 4 | Moderate h | preeze: 11 | -16 mph | |

| Lat/Lon; UTM: N/C N/C N/C 134 W/N | W 83,028039 | Zone | | Observers_ | Eric | Smith . | Tod | d Bix | ler | _ |
|--|---|--|---|---|--|--|--|--|---|-----------------------|
| Datum: NAD83 County Seneca | State OH Qu | ad Nat | son | | | | | | | |
| Site Diagram: | He | eight Length | Contract of | 11 27 38 | | Domi | nant Veg | getation | | |
| 16 | Net (| (m) (m) | Dates | 1. Red / | Maple | | _4 | | | _ |
| A II | A | 9 9 | | 2. Red | 004 | | _5 | | | |
| | B 6 | 6 6 | | 3. Elm | 1 | | _ 6 | | | |
|)el /el | CE | 6 | | 1 | | | 0.1.11 | | _ | |
| P) // | 0 6 | 5 6 | | | | Net | Set by H | abitat | | |
| | E | | | Habitat | A | В | C | D | E | 1.1 |
| woods () | F | | | River | 1. 7. 1 | | - | | | - |
| | | P (| | Stream | | | 1 m | X | | 1 |
| | | | | Pond | | 1-1- | 1. | | | 1 |
| K // | Site Pho | otographs | | Corridor | X | X | × | | | _ |
| trail TI work | Camera | a: | | Cave | E.4.1 | | | | | 2 |
| SAT | Photo L | _og: | | Mine | | - | E | _ | _ | _ |
| | | | | Forest | | | | | | |
| | | | | Gap | | | | | - | - |
| | | | | Other | | | 11 12 | | | |
| 50 | speins | | | | | | | | | |
| Andiana Bat Habitat Characterization (Choose 1 Roost habitat: 1. Poor: No or few snags 2 Moderate: Snags with sloughing bark or 3 Optimal: Snags with sloughing bark or | appropriate score for = 5" DBH with sloughing r other roost features prese other roost features prese | each habitat g bark or other sent 5-15 inch D ent >15 inch DB | characteristic usable roost fe DBH within 1000 | c) eatures (cracks, 00 feet of foreste) feet of forested | crevices, red areas. d areas. | etc) | | | | |
| Indiana Bat Habitat Characterization (Choose 2 Roost habitat: 1. Poor: No or few snags 2. Moderate: Snags with sloughing bark or 3. Optimal: Snags with sloughing bark or Water Resources: 1. Poor: bat drinking r 2. Moderate: Ephemeral or intermittent st openings or canopy gaps allow bats easy a 3. Optimal: Streams or ponds (including r available. 2 Forest Structure: 1. Poor: Habitat even aged and young. Tr 2. Moderate: some diversity in age of tree may be present but rare. 3. Optimal: Mature forest. Diverse age characterization | e appropriate score for = 5" DBH with sloughing r other roost features prese other roost features prese esources not present at the reams or ponded areas pro- access to the resource. oad ruts) present that app at or nearly absent or if sta ees smaller than 5 inch DB s in the stand. Trees 5 to 1 asses of trees present. Trees | each habitat g bark or other sent >15 inch DB ne site. esent but too cl pear to offer dri and is monocul BH. Understor 15 inches prese eses > 15 inch DB | characteristic usable roost fe DBH within 100 H within 1000 uttered to allo nking resource ture, area auto y growth clutt nt. Understory BH frequent. N | c) eatures (cracks, 00 feet of forested) feet of forested ow many bats to e throughout th pratically quali- tered and restric y clutter domin | crevices, ded areas. d areas. o drink each me majorit ifies as a 1 cts flying, ant but no ight and b | etc) sily or simi y of the sun poor). /foraging of ubiquito reefalls allo | ultaneous mmer. Fly ous. Trees | ly. No co yways to greater tl quent sma | rridors, resources han 15" [all openir | s are DBH |
| Indiana Bat Habitat Characterization (Choose 2 Roost habitat: 1. Poor: No or few snags = 2. Moderate: Snags with sloughing bark or 3. Optimal: Snags with sloughing bark or Water Resources: 1. Poor: bat drinking r 2. Moderate: Ephemeral or intermittent st openings or canopy gaps allow bats easy a 3. Optimal: Streams or ponds (including r available. 2 Forest Structure: 1. Poor: Habitat even aged and young. Tr 2. Moderate: some diversity in age of tree may be present but rare. 3. Optimal: Mature forest. Diverse age cla gaps that facilitate bat foraging. 2 Land Cover: 1. Poor: Square kilometer su 2. Marginal: Trees present in the form of 3. Optimal: Area is largely forested. Woo | e appropriate score for = 5" DBH with sloughing r other roost features prese other roost features prese esources not present at the reams or ponded areas pre- access to the resource. oad ruts) present that app at or nearly absent or if sta ees smaller than 5 inch DF is in the stand. Trees 5 to 1 asses of trees present. Trees urrounding site predomina- small woodlots and wood oded stands are connected | each habitat of g bark or other sent 5-15 inch DB te site. esent but too cl pear to offer dri and is monocul BH. Understor 15 inches prese tes > 15 inch DB antly un-forest led fence rows. I to other wood | characteristic usable roost fe DBH within 100 H within 1000 uttered to allo nking resource ture, area auto y growth clutt nt. Understory BH frequent. V ed. Few matu Little connect ed stands via | c) eatures (cracks, 00 feet of forested) feet of forested ow many bats to e throughout the pratically quali- tered and restric- y clutter domin varying tree hei- re trees present tion to adjacent wooded stream | crevices, ed areas. d areas. o drink each ne majority ifies as a 1 cts flying, iant but no ight and th t not conn t forested in p, fence ro | etc) sily or simi y of the sun (foraging of ubiquito reefalls allo ected to ot areas. w, or other | ultaneous mmer. Fly ous. Trees ow for free her areas o | ly. No co yways to greater tl quent sma of trees. corridor. | rridors, resources han 15″ E all openir | s are DBH ngs a |
| Indiana Bat Habitat Characterization (Choose 2 Roost habitat: 1. Poor: No or few snags 2 Moderate: Snags with sloughing bark or 2 3. Optimal: Snags with sloughing bark or 2 Moderate: Ephemeral or intermittent st openings or canopy gaps allow bats easy a 3. Optimal: Streams or ponds (including r 3 Optimal: Streams or ponds (including r available. 2 2 Moderate: some diversity in age of tree may be present but rare. 3. Optimal: Mature forest. Diverse age clagaps that facilitate bat foraging. 2 Land Cover: 1. Poor: Square kilometer st 2 Marginal: Trees present in the form of 3 Optimal: Area is largely forested. Wool | e appropriate score for = 5" DBH with sloughing r other roost features prese other roost features prese esources not present at the reams or ponded areas pre- access to the resource, oad ruts) present that app at or nearly absent or if sta ees smaller than 5 inch DB is in the stand. Trees 5 to 1 asses of trees present. Tree arrounding site predomina- small woodlots and wood oded stands are connected (x 12) | each habitat of g bark or other sent 5-15 inch DB ent >15 inch DB e site. esent but too cl pear to offer dri and is monocul BH. Understor 15 inches present es > 15 inch DB antly un-forest ded fence rows. I to other wood | characteristic usable roost fe DBH within 100 H within 1000 uttered to allo nking resource ture, area auto y growth clutt nt. Understory BH frequent. V ed. Few matu Little connect ed stands via | c) eatures (cracks, 00 feet of forested) feet of forested ow many bats to e throughout th omatically quali- tered and restri- y clutter domin Varying tree hei- re trees present tion to adjacent wooded stream Please retur | crevices, ed areas. d areas. o drink ea: ne majorit; ifies as a 1 cts flying, iant but no ight and b t not conn t forested in fence ro n to: | etc) sily or simi y of the sur ; poor). 'foraging ot ubiquito reefalls allo ected to ot areas. w, or other | ultaneous mmer. Fly ous. Trees ow for free her areas | ly. No co yways to greater tl quent sma of trees. corridor. | erridors, resources han 15" E all openir | s are DBH ngs a |
| Indiana Bat Habitat Characterization (Choose 1 Roost habitat: 1. Poor: No or few snags: 2 Moderate: Snags with sloughing bark or 2 3. Optimal: Snags with sloughing bark or 2 Water Resources: 1. Poor: bat drinking r 2 Moderate: Ephemeral or intermittent st openings or canopy gaps allow bats easy a 3. Optimal: Streams or ponds (including r 3 Optimal: Streams or ponds (including r available. 1 2 Forest Structure: (if hardwoods are abser 1 Poor: Habitat even aged and young. Tr 2 Moderate: some diversity in age of tree may be present but rare. 3. Optimal: Mature forest. Diverse age cla 3 Optimal: Mature forest. Diverse age cla gaps that facilitate bat foraging. 1 2 Land Cover: 1. Poor: Square kilometer st 3 Optimal: Trees present in the form of 3. Optimal: Area is largely forested. Wood 3 Optimal: Area is largely forested. Wood 2 | e appropriate score for = 5" DBH with sloughing r other roost features prese other roost features prese esources not present at the reams or ponded areas pro- access to the resource. oad ruts) present that app at or nearly absent or if sta- ees smaller than 5 inch DH is in the stand. Trees 5 to 1 asses of trees present. Tree urrounding site predomina- small woodlots and wood oded stands are connected (± 12) | each habitat of g bark or other sent 5-15 inch DB te site. esent but too cl bear to offer dri and is monocul BH. Understor 15 inches prese tes > 15 inch DF antly un-forest led fence rows. I to other wood | characteristic usable roost fe DBH within 100 H within 1000 uttered to allo nking resource ture, area auto y growth clutt nt. Understory BH frequent. W ed. Few matu Little connect ed stands via | c) eatures (cracks, 00 feet of forested) feet of forested ow many bats to e throughout th omatically quali- tered and restri- y clutter domin Varying tree hei- re trees present tion to adjacent wooded stream Please retur P.O. Box 73 | crevices, ed areas. d areas. o drink eas ne majorit ifies as a 1 cts flying, iant but no ight and th t not conn t forested i n, fence ro n to: Paint Lie | etc) sily or simi y of the sur poor). /foraging ot ubiquito reefalls allo ected to ot areas. w, or other w, or other | ultaneous mmer. Fly ous. Trees ow for free her areas o r wooded | ly. No co yways to greater th quent sma of trees. corridor. | rridors, resources han 15" E all openir | s are DBH ngs a |

| te N | 0 | | Project | No./N | ame | 412 | | in sal | CREEK | | | | Date | 7-24-15 | - | - | - | 1 |
|---------------------------|--|--|---|---|---|---|---|--|--|--|---|--|---------------------|--|---------------------------------|--------------|---------------------|-----------|
| e L | ocation_ | CROOK 1 | toric | Itway | 19 | _ | - | | | | 0.10 | , | | | | | 10 | |
| oun | y Se | neca | | State_ | OH | | Time Up | 9:0 | <u>o</u> Tin | ne Dowr | n_ 2:0 | 0 | 1.1.1 | E.C. | - 51: | | | 1 × |
| t/L | on ; UTM | 1: N/E | 1.200 | 3 | _W/N_ | - 2 | 03.015 | 2 | Zone | <u> </u> | Datum_f | JAD83 | _ Observe | TELL | 2 vis | - C o | PPER | HEAD |
| _ | _ | | - | - | - | - | - | | | - | 1 | C | 1 Pass | | SIAICA | 004 | in the Mathematican | 10494504 |
| # | Time | Species | Age | Sex | Repr. | Mass | FA (mm) | Net | Height | WDI | G/H/B/T | Band# | Freq. | Moon Phase | e % | | W | Vax / Wan |
| | | -Frine | | | | (g) | | | (m) | 1.1.1.1 | 1.1.1. | Туре | | 1 21 21 | | | | |
| 1 | 10:20 | EPFU | J | M | NR | 14 | 45 | D | 2.5 | 0 | - | | - | 1 | | Rise | 2 | Set |
| 2 | 11:50 | EPFU | A | F | L | 20.5 | 44 | U | 15 | 0 | | - | - | Sun | _ | Oler | 5 | 0:55 |
| 3 | - | | 12.0 | 15-21 | 11 | 1 | 1 | 1. | 121.20 | 1.6 | | 1 | 2.0 | Moon | | 1424 | 0 | |
| 4 | | | | | 1 | | | | | 1 | 12000 | | 1 | · · · · · · · · · · · · · · · · · · · | - | | | |
| 5 | 1.1.1.1 | | 1 | | | | | | | | | 1 | | Time | Temp (F) | Sky | Wind | No Bats |
| 6 | 1.1.1 | | | | 2 - 1 | | | | 01 - 0 | 1 | 1.000 | 1 | | Time | remp (r) | ONY | iting | 140. 5465 |
| 7 | | | | | | | | | | | | | 1 | 9'30 | 76 1 | 0 | 0 | 0 |
| 8 | | | | í | 1 | | | | | - C. | | | | 10130 | 75 | 0 | 0 | 1 |
| 9 | 1.111 | | | T | | 1 | | | | | 1 | | | 11:30 | 73 | 0 | 0 | I |
| 10 | | | | | | | | | in the second second | | | 1 | 1.1.1.1.1.1.1 | 12:30 | 72 | 0 | 0 | 0 |
| 11 | | | | | | | · | | | | | 1 | | 1:30 | 72 | 0 | 0 | 0 |
| 2 | | | 1. | 1 | 1.000 | 1 | 1 | | n — 1 | a | 1 | Pro 1997 - 1997 | 1 | 2:30 | 70 | 0 | 0 | 0 |
| 13 | | | | | | | | | | _ | | | 1 | | 1 | - | | |
| 14 | | | | | | | | | | | | 1 | - | 1 | | | 1777 - C | - |
| 15 | | - | | | | | | | | | | | | | | | | |
| 16 | | | 1 | 1 1 | 1 | | | - | | | | | 1 | | - | Sky Code | | |
| 17 | | | | | | 1 | 1 | · · · · · · · · · · · · · · · · · · · | | | | | 1 | 0 | Clear | | | |
| 18 | | | 1 | | - | - | | | | | | | | 1 | Few Cloud | s | | |
| 19 | | | - | - | | | | | | - | | | | 2 | Partly Clo | ıdv | | |
| 20 | | | - | | | | | | | | | | | 3 | Cloudy or | overcast | | |
| 21 | | | 1 | - | | - | | | | | | | 1 | 4 | Fog or sm | ke | | |
| 22 | | | - | - | | 1.1.1.1.1 | - | - | | _ | | | | 5 | Drizzle or | light rain | | |
| 22 | | | - | - | | - | - | | | - | | | - | 6 | Hoavy rai | thundo | charm | |
| 24 | - | | - | | - | | 1 | | | | - | | - | | I leavy lau | i - uturtuei | storm | |
| 24 | - | | - | | - | - | | | | | | | - | | Rean | fort Wind | Scale | |
| 26 | | | - | <u> </u> | | | - | - | | _ | | | - | 0 | Calmi 41 m | anh | Stalt | |
| 07 | | | | - | - | | | | | | | | | 1 | Light aim 1 | 2 mmh | | |
| 28 | | | - | - | | - | | | | | | | - | | Light huse | -5 mpn | L. | |
| 20 | | | - | - | | | | _ | | | | | | 2 | Cartle Inter | ze: 4-6 mp | n | _ |
| 20 | | | - | | | 1 | | _ | | | | - | - | | Gentie bre | eze: /-10 n | npn | |
| 0 | | | | - | | | | | | | | | | 4 | Moderate | oreeze: 11- | 16 mph | _ |
| pec orea AY. AYS | ies Abbre ilis (LABC AU); Myol 60); Nycti | viations: Coryn)); Lasiurus cine iis grisescens (N ceius humeralis | orhinus r reus (LAC IYGR); M (NYHU); | afinesqu CI); Lasi yotis leit Perimy | ii (CORA urus sem bii (MYLI votis subf |); Coryr inolus (I E); Myot lavus (P | orhinus t. .ASE); Lasi is lucifugus ESU); Tada | virginian onycteri (MYLU rida bra | nus (COVI) is noctivaga I); Myotis s siliensis (T | ; Eptesic ans (LAN eptentric ABR) | us fuscus (E IO); Myotis onalis (MYSI | PFU); Lasiur austroripariu E); Myotis so | rus us odalis | Please Ref P.O. Box 7 (859) 925- | turn to: 73, Paint I 9012 | .ick, KY, | 40461. | |
| ther | Abbrevia | tions: Male: M; | Female: F | ; Pregna | ant: P; La | ctating: | L; Post Lac | tating: P | L; Scrotal: | S; Non R | epro: NR | | | 1. | | | | n 1 |

| Site N | lo15 | CREEK | Project | t No./N | Jame | 412 | 1_E | miceso | and Cebe | C. | | | Date | 7-31-15 | | _ | 6 | |
|--------|-----------------|--|--|---------|-----------|-------------|-----------------|--------|---------------|--|-----------------|---------------|---------------------------------------|---------------------------|--------------------|-------------|--|-----------|
| oun | ty Se | MERA | - | State | 6H | | Time Up | 8 | 50 Tin | ne Down | 2:00 | | | | | | | 14 |
| at/I | .on ; UTN | M: N/E | 11.2008 | | _W/N_ | - 81 | 5.0152 | | Zone | | Datum_ | VAD83 | Observe | rs MTM , T | AB | - c o | PPER | HEA |
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phase | e 100% | | v | Vax / War |
| 1 | 10:00 | EPFU | A | F | PL | 19 | 47 | E | 0.5 | 0 | 1.00 | - | - | | | Rise | | Set |
| 2 | 10 00 | EPFU | A | F | PL | 18 | 47 | E | 4 | 6 | - | | | Sun | | 176 | 25 | 8:50 |
| 3 | 11:45 | MYSE | A | F | PL | 7.5 | 35 | A | 1 | 0 | ~ | 17345 | | Moon | | 21 | 23 | 0910 |
| 4 | | | 1. | | 1 | | | | - | 2 | | | 1.1.1 | | | | | |
| 5 | | | | | | | | | | | | | | Time | Temp (F) | Sky | Wind | No. Bat |
| 7 | | | - | | | | | | - | | 1 | | - | 9.00 | 72 | 0 | 0 | 0. |
| 8 | - | 5 | 1 | | | | | - | | | | | | 10:00 | 12 | 0 | | 2 |
| 9 | - | | | | - | | | | | | | | | 11 00 | 72 | 0 | 1 | 1 |
| 10 | | | - | | | | | | | | | | | 12.00 | 70 | 3 | 1 | 0 |
| 11 | | 1 | | | | | | | | | - | | | 1.00 | 66 | 0 | 1 | 0 |
| 12 | | | | | | | | | | 1000 | | | | 2.00 | 65 | 0 | 1 | 0 |
| 13 | · · · · · · · · | | | | | | | - | | | | A | | | 42 | 4 | | <u> </u> |
| 14 | | | | 1.00 | · | 1.5 | 1.000 | | | | 1 | 1 | | | | - | | - |
| 15 | | | 1.000 | | | DEC 5 | | - | 1 | 0.00 | | 1 | | | | - | | |
| 16 | | 10 | 1 | | | 1 | | | | 1 | · · · · · | | | | | Sky Code | | |
| 17 | | | | | - | 2 | | | | 1 | | | | 0 | Clear | | | |
| 18 | | | | | 12.1 | 1 | · · · · · · · · | | | P | | | | 1 | Few Cloud | ls | | |
| 19 | | P.P | | | | | · · · · · · · | | | | | | | 2 | Partly Clo | udy | | |
| 20 | <u> </u> | | | | 2 |]] | · · · · · · | | | | | | | 3 | Cloudy or | overcast | - | |
| 21 | I I | | | | | | | | 1 | 1 | - | | | 4 | Fog or smo | oke | | |
| 22 | 1.1 | | | | - | | | | 1 | | | | | 5 | Drizzle or | light rain | | |
| 23 | | | | - | | | | | | | 11 | 1 | | 6 | Heavy rain | n - thunde | r storm | |
| 24 | | | | | - | | | | | 1 | | | | | | | | |
| 25 | | | 1 | | | 1.11 | | | 1 A | - | | | P | | Beau | fort Wind | l Scale | |
| 26 | | | | | 1 | - | | | 1 I | | · · · · · · · · | | - | 0 | Calm: <1 r | nph | | |
| 27 | | | 1. | | | | 1 | | / | | 1 | | 1 | 1 | Light air: 1 | -3 mph | 1411 (141)))))))))) | |
| 28 | | | | - | · · · · · | - | | | | | | | · · · · · · · · · · · · · · · · · · · | 2 | Light breez | ze: 4-6 mp | h | |
| 29 | | | | | | | | | | | | | 1 | 3 | Gentle bree | eze: 7-10 r | nph | |
| 50 | | | 1 | | | 1.77 | | | | 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | | | | 4 | Moderate 1 | preeze: 11 | -16 mph | |
| cou | stic Surv | vey: Unit typ | be | - | Unit # | | Date | _ | Start tim | ne | | Stop time_ | | Carrier I. | | | | |
| | | | | | | | Date | | Start tim | ne | | Stop time_ | | Please Ret | urn to: | 1.21.2 | | |
| eat | herproo | fing | | | | | Date Coordin | ates | Start tim | ne | | Stop time_ | | P.O. Box 7 (859) 925-9 | 3, Paint L 9012 | lick, KY | , 40461. | |
| m | nonte | , in the second se | | | | | | | | | | | - | (| 22 | | | |
| | nemus. | and the second s | | | | | | | | | | | | | | | | p. 2 |

| Lal/ L | on; UTM: N/E 41, 2003 W/I | V -83 0152 | | Zone | - | Observers | ELS | MTM. | TAB | | | 1.0 |
|---------------|---|---|---|---|---|---|--|---|-------------------------------------|-------------------------------------|------------------------------------|--------------|
| Datur | n: NAD83 County SENECA | State | OH Quad | Wat | Son | 121 C A&A 321 3 | , | | | | - | |
| Site D | liagram: | | Heigh | t Length | | | | Domi | inant Ve | getation | | |
| | 1 1 1 | | Net (m) | (m) | Dates | 1. MAPL | E CUMIER | E R.50) | 4. ELI | M | | - |
| | | | A 3 | 6 | 7-24 7-31 | 2. Corrus | ICOUL | > | 5. Hice | LORY | | |
| | | | B 9 | 6 | 7-24 7-31 | 3. ASH IN | ANSILA S | INA GO NOW | S6. LUAL | Next. | | |
| E | 1 | | C 6 | 6 | 7-24 | | | | | 2.47 | | |
| -1- | C FREK d | × | D 6 | 9 | 7-247-31 | | | Net | Set by H | labitat | | - |
| 0 | 19 7 | -n | E 6 | 9 | 7-31 | Habitat | Α | B | C | D | E | F |
| 1- | - till | 21 | F | | | River | | | 1.000 | 1000 | 1 | - |
| 91 | Mail B | 11 | | | | Stream | | | X | X | X | - |
| | | 1 | | | 1 | Pond | | 1 | 1 | 1 | 1.27 | |
| | | 1 | Site Photog | graphs | | Corridor | X | X | 1 | 10.2.11 | <u>[] _ [</u> | 1 |
| | | | Camera: | | | Cave | the second second | 12.00 | | | 11.00.000 | - |
| | | | Photo Log: | | | Mine | | | | | · · · · · · · · · | |
| | | | | | | Forest | | | | | | |
| | | | | | | Gap | | _ | - | | | _ |
| | 2 1 1 | | | | | Other | | | 1.11 | | | 1.1 |
| | | | | | | 1.000 | | | | 1 | | |
| 3 | Moderate: Snags with sloughing bark of <i>Water Resources</i>: 1. Poor: bat drinking <i>Optimal</i>: Snags with sloughing bark of <i>Water Resources</i>: 1. Poor: bat drinking <i>Optimal</i>: Streams or intermittent so openings or canopy gaps allow bats easy <i>Optimal</i>: Streams or ponds (including available. <i>Forest Structure</i>: (if hardwoods are abso 1. Poor: Habitat even aged and young. T 2. Moderate: some diversity in age of tre may be present but rare. | r other roost feat r other roost feat resources not pro- treams or ponde access to the reso road ruts) preser ent or nearly abse rees smaller than es in the stand. T | tures present > esent at the sit d areas presen ource. In that appear ent or if stand i 5 inch DBH. Frees 5 to 15 in | 5-15 inch D e. it but too to offer di is monocu Understo iches pres | DBH within 1000 BH within 1000 fo cluttered to allow rinking resource t ilture, area autom ory growth clutter ent. Understory o | r many bats to many bats to chroughout th natically qual- red and restri clutter domin | ed areas. d areas. o drink ea ne majoril ifies as a 1 cts flying, nant but n | usily or sim ty of the su l: poor). /foraging ot ubiquite | ultaneous mmer. Fl ous. Trees | ily. No co yways to greater t | orridors, resource han 15″ I | s are DBH |
| | a Ontimal Mature farest Diverse and | lasses of trees pro | esent. Trees > | 15 inch D | BH frequent. Va | rving tree he | ight and t | reefalls all | ow for fre | quent sm | all openi | |
| 3 | 3. Optimal: Mature forest. Diverse age of gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer s 2. Marginal: Trees present in the form o 3. Optimal: Area is largely forested. We | surrounding site f small woodlots roded stands are | predominantly and wooded f connected to c | y un-fores ence rows other woo | sted. Few mature 5. Little connectic ded stands via wo | trees present on to adjacent ooded stream | t not conn t forested 1, fence ro | nected to ot areas. ww, or other | her areas r wooded | of trees, corridor. | | ngs an |
| 3 | 3. Optimal: Mature forest. Diverse age of gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer : 2. Marginal: Trees present in the form o 3. Optimal: Area is largely forested. Wo Total Habitat Score (Should be between 4 | surrounding site f small woodlots oded stands are & 12) | predominantly and wooded f connected to c | y un-fores ence rows other woo | sted. Few mature 5. Little connectic ded stands via wo | trees present on to adjacent ooded stream | t not conn t forested 1, fence ro | nected to ot areas. w, or other | her areas r wooded | of trees. corridor. | ~ | ngs an |
| 3 | S. Optimal: Mature forest. Diverse age of gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer : 2. Marginal: Trees present in the form o 3. Optimal: Area is largely forested. Wo <u>Total Habitat Score</u> (Should be between 4 | surrounding site f small woodlots oded stands are & 12) | predominantly and wooded f connected to c | y un-fores ence rows other woo | sted. Few mature s. Little connectic ded stands via wo | trees presen on to adjacen ooded stream Please retur | t not conn t forested 1, fence ro n to: | nected to ot areas. w, or other | her areas r wooded | of trees. corridor. | 3 | ngs an |
| <u>3</u> 6 | S. Optimal: Mature forest. Diverse age of gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer : 2. Marginal: Trees present in the form o 3. Optimal: Area is largely forested. Wo <u>Total Habitat Score</u> (Should be between 4 ments: | surrounding site f small woodlots oded stands are & 12) | predominantly and wooded f connected to c | y un-fores ence rows other woo | sted. Few mature s. Little connectic ded stands via wo | trees present on to adjacent ooded stream Please retur P.O. Box 73, | t not conn t forested n, fence ro n to: Paint Lic | nected to ot areas. w, or other k, KY. 4046 | her areas r wooded 51 | of trees, corridor. | හ | ngs an |
| ax) / War | Č | | e 49 % | Moon Phase | Freq. | Band# Type | G/H/B/T | WDI | Height (m) | Net | FA (mm) | Mass (g) | Repr. | Sex | Age | Species | Time | # |
|-----------|--------|------------|----------------------|------------|---------------------------------------|---------------|----------|-----|---------------|-----|---------|-------------|-------|-------|-----|---------|-------|---|
| Set | 1.1.1 | Rise | | | 1 | - |) | - | 3 | B | ing NO | lower | uh:le | aped | Esc | EPFU | 9:30 | 1 |
| 20:52 | 12 | 6: | | Sun | MA | NIA | NA | 0 | 2 | A | 44 | 17.5 | PL | F | A | EPFU | 9:40 | 2 |
| 00:4 | 28 | 13 | | Moon | NA | NA | N/A | 0 | 2 | D | 47 | 19.75 | P2 | F | A | EPFU | 9:50 | 3 |
| | | - | - | - | NA | NA | N/A | 0 | 5 | A | 43 | 9.75 | NYL | M | 7 | EPF-U | 10:20 | 4 |
| No. Bats | Wind | Sky | Temp (F) | Time | NA | NIA | NIA | 1 | 6 | A | 47 | 19.0 | 1L | F | A | EPFU | 10:40 | 0 |
| | | | and tex | | NA | NA | NA | 0 | 7 | A | 46 | 15.0 | NIC | F | J | EPFU | 11:00 | 7 |
| NIA | 0 | 1 | 74 | 0900 | NIA | NIA | NIA | 0 | 6 | A | 49 | 22.0 | PL | P | A | EPFN | 11:40 | 2 |
| 3 | 0 | 0 | 68 | 1000 | | | - | | - | _ | - | | | | | | | 0 |
| 3 | 0 | 0 | 63 | 1100 | - | 1 | | - | | - | | | - | - | | | - | 0 |
| 1 | 0 | 0 | 60 | 1200 | 1.1 | | <u> </u> | 1 | | _ | | - | | | - | | | 1 |
| 0 | 0 | 0 | 61 | Old | | | | | - | | | | | | - | | | 2 |
| 0 | 0 | 0 | 61 | 0200 | | | - | | - | - | - | _ | | - | - | | - | 3 |
| | | | | - | - | | | - | - | _ | | - | - | - | - | | 7 | 4 |
| il | 1 | | 1 | - | | | | | | - | - | - / | | | - | | | 5 |
| | - | la Cale | | | - | | | _ | | | | - | | | | | | 6 |
| | - | ky Code | 5 | 0 | | | - | _ | - | - | 1 | | - | | | | 1.1 | 7 |
| - | | _ | Clear East Clauda | 0 | | | | | | - | - | - | | - | | | | 8 |
| - | | | Partly Clau | 2 | - | | | | | - | | - | 1 | 1.001 | | | 1.00 | 9 |
| _ | - | ay | Cloudy or o | 3 | - | | | | | - | | - | 1 | 1 | | | | 0 |
| - | | vercast | Fog or small | 4 | 10 | | | | | | | 1.000 | | | | | 12.23 | 1 |
| | | ight rain | Drizzle or li | 5 | | | | | | _ | | 1.1.1 | 1 | 1 | | | 1 | 2 |
| | storm | - thunder | Heavy rain | 6 | | | | | | - | | | 15-11 | | | | 1 | 3 |
| | storm | interneter | ricary runt | | | | | 11 | | | 1 | 1000 | 2.0.4 | | | | 1-24 | 4 |
| | Scale | ort Wind | Beauf | | | | | | 1 | | - | - 1 C | 1 | | | | | 5 |
| 1 | | ph | Calm: <1 m | 0 | | | | | 1 | | | 11 | | 1 | 11 | | - | 6 |
| | | 3 mph | Light air: 1- | 1 | 1 | | | | | | | | 12.14 | | | · | | 7 |
| | h | : 4-6 mpl | Light breeze | 2 | · · · · · · · | 1 | | | | | | | 1 | 1.0 | | | | 8 |
| | nph | ze: 7-10 m | Gentle breez | 3 | | | | | | | 100 | | | | 1 | t | | 9 |
| | 16 mph | reeze: 11- | Moderate br | 4 | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | | | 0 |

| Mist I Site N | Vetting I | Data Form | Projeç | t No./N | Jame | 412.0 | DI I-E | me | IGON | Creek | ir | 1 - 4 | Date | 7-27- | 15 | _ | - | |
|-------------------------|--------------------------------------|---------------------------------|--------|---------|----------------------|-------------|---------------------------|--------------|---------------------------------------|-------------------|----------------|---------------|---------|------------|--------------|--------------|----------------------|------------|
| Site L Coun Łat/L | ocation_ ty <u>GC</u> on ; UTN | Pond in ENCCA M: (N/E 4). | Wood | State_ | West of 04 W/N | -Si | 218+9 Time Up 2,989 | 259 | <u>SS</u> Tin Zone | cost C ne Down | n 015 Datum | NAD83 | Observe | rs B. Ren | Hey/R | Mc Greg | C | 5 |
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | e % | 86 | M | Vax / Wane |
| 1 | 10:00 | EPEU | A | F | PL | 16.5 | 46 | A | 3 | 0 | NIA | VIt | NA | | 10 | Rise | | Set |
| 2 | 10:00 | EPEU | A | M | NR | 16.0 | 45 | A | 3 | 0 | 1/1A | 1/A | NA | Sun | | 1.2 | 2m | 8:5511 |
| 3 | 10:00 | JEPFU | A | F | PL | 185 | 48 | A | 4 | 0 | NA | NIX | NA | Moon | | 5:3 | IPM | 2:46 AA |
| 4 | 10:20 | EPFU | J | M | NR | 13.5 | 46 | A | 2.5 | 0 | NIA | NIA | NA | 1 | _ | - 6 | 1 | |
| 5 | 11.20 | EPFU | 5 | M | NR | 15,0 | 45 | 6 | 1.5 | 0 | N/A | N/t | VIF | Time | Tomp (F) | Char | Wind | No Bate |
| 6 | 11/50 | EPFU | A | M | NR | 19,0 | 46 | A | 3 | 0 | NIA | MA | N/A | Time | Temp (F) | Эку | wind | NO. Dats |
| 7 | 13:40 | LABO | J | F | NR | 9.0 | 41 | C | 4.5 | 0 | N/A | NIA | NA | 900 | 77 | 0 | 0 | NA |
| 8 | | | | | 1000 | 10-1-1 | 1.1 | 100 | 1.2 1.1 | | 2020 | | | 1000 | 74 | 1 | 0 | 0 |
| 9 | k | | | | 1 | | 1 | | | | | | | 1100 | 73 | 1 | 0 | 4 |
| 10 | | | | | 1 | | | $\Gamma = 1$ | 1 | | | | | 1300 | 71 | B | 0 | 5 |
| 11 | | | | - | | | | 1 | · · · · · · · · · · · · · · · · · · · | 1 | | | | 100 | 70 | 0 | 0 | |
| 12 | | | | | 1 | | | | · · · · · · · · · · · · · · · · · · · | · · · · · | | | | 200 | 69 | 0 | 0 | |
| 13 | 2 | | - | | | | | | | - | | | | 1 | | | | |
| 14 | 2 | | 1 | | 1. | | | | | | | | | | 1222 | _ | 1 | |
| 15 | 2 | 10 C | | | Sec. 1. | - | har - al | L. 1 | | | - | · | | · | | | _ | |
| 16 | 1.00 | | | - | | 1 | 2 | 1.1 | | | | | | - | | Sky Code | e | |
| 17 | | | - | - | - | | 2 | 1.1 | - | - | - | | | 0 | Clear | | - | |
| 18 | | | - | | _ | - | - | | | | | 1 | 1 | 1 | Few Cloud | Is | _ | _ |
| 19 | | - | - | - | | - | 1.000 | | | | | | - | 2 | Partly Clo | udy | | |
| 20 | | | - | | - | - | | | | | | - | 1 | 3 | Cloudy or | overcast | | |
| 21 | | | - | - | | | 1 | - | | | - | | | 4 | Fog or sm | oke | | |
| 22 | | - | - | | - | | | | | - | | | | 5 | Drizzle or | light rain | 14. 17. 55. orașe | |
| 23 | · · · · · · · | <u></u> | - | | | - | | - | | _ | | | 1 | 6 | Heavy rai | n - thunde | er storm | |
| 24 | - | - | - | - | | | | | - | - | | | 1 - 1 | · | P | C | 10.1. | |
| 25 | - | | - | - | - | - | - | _ | - | | | | - | 0 | Le la cal | Tort win | d Scale | |
| 20 | - | | - | - | | - | | - | - | | | | | 1 | Light aim | npn 2 mmh | | |
| 28 | - | | - | - | - | | | - | | _ | | | | 1 | Light air: I | -3 mpn | 4 | |
| 29 | | | - | - | - | - | | - | | _ | + | | | 2 | Contla hor | 22: 4-0 m | mah | |
| 30 | | - | - | - | - | - | | - | | | | | | 3 | Moderat- | eze: /-10 | 16 mab | |
| Acou | stic Sur | vev. Unit tu | 1 | - | Unit # | | Date | - | Start tin | 10 | t | Ston time | 1 | 4 | Moderate | oreeze: 11 | -10 mpn | |
| icou | Suc Sur | vey. Officity | | | Offic # | | Date | | Start tin | 10 | | Stop time | | Plazea Pa | turn to: | - | | _ |
| Mart | h | fina | | | | | Date | | Start tin | ne | | Stop time | | P.O. Box | 73, Paint 1 | lick, KY | , 40461. | |
| weat | herproc | ing | | | | | Coordin | ates_ | | | | | - | (859) 925- | -9012 | | | |
| Com | nents: | | | | | | | | | | | | | | | | | p. 2 |

| at/Lon); UTM: (N/E 41,157652 (W)N -82,98 | 59259 | Zone_ | | Observers_ | B. Rem | ay /R | McGu | 390/ | | 1 |
|--|---|--|--|--|--|--|---|---|---|-----------------------|
| Jatum: NAV&3 County Serveca State | 17H OI | ad Fire | sile | 4 200 . Q | | | | - | | |
| ite Diagram (bull / | H | eight Lengt | 1 | 1 | × | Domin | ant Veg | etation | 1 | _ |
| | Net | (m) (m) | Dates | 1. 5400 | maple | | 4. R.C. | 1 Og | K | |
| | AT | 4 9 | 7/22/15 +7/27 | 2 5429 | bary His | Korg | 5. | | | |
| FIL GI | BS | .2 12 | 7/23/15 + 2/27 | 3. Oak- | white | | 6. | | | |
| A FORST | C 5 | 26 | 7/23/15 +7/67 | 25 | | | | | | |
| 1 | DE | 57 6 | 7/23/5 +7/27 | | 1 T.T. T. | Net S | Set by H | abitat | 2-23 | - |
| VLY . this | E | mer e | THE REAL PROPERTY IN | Habitat | A | В | C | D | E | |
| F Contains | F | | | River | 1.044 | | | 1.2.2 | | |
| HINX Fist | 1.1.1 | | | Stream | Sec. 12 | | | | | 1 |
| I II N I I I I I I I I I I I I I I I I | - | | | Ponder | 1111.19 | V | | 1.00 | | |
| | Site Ph | otographs | | Corridor | / | 11 100 11 | V | ~ | | |
| YONA 18 NET | Camera | a: | | Cave | | | | | | |
| D D D | Photo I | Log: Dewy | I ander | Mine | 1.1.1 | | 111 | 1 | | 1 |
| Fine P | 70 9 | cogle d | 1, JE 5, te 16 | Forest | | | | | | |
| aver | 0.0 10 247 | | | Gap | | 1.5.5.5 | | 1 | | 1. |
| Lewid Lores | | | | Other | 11110 | | - | Aug. (10) | | 1 |
| 1. | | | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| /F | - | | | | | | | | | |
| Z MOST HADRAL 1. FOOT. NO OF IEW Shags >= 5" DBH WI | h sloughin | g bark or oth | er usable roost feat | tures (cracks, | crevices, e | tc) | | | | |
| 2. Moderate: Snags with sloughing bark or other roost features. 2. Moderate: Snags with sloughing bark or other roost features. 3. Optimal: Snags with sloughing bark or other roost features. 4. Moderate: Ephemeral or intermittent streams or pond openings or canopy gaps allow bats easy access to the rest. 3. Optimal: Streams or ponds (including road ruts) preservational streams or ponds (including road ruts) preservation. Forest Structure: (if hardwoods are absent or nearly absented by the structure). | h sloughing eatures present atures present present at the ed areas pre- source. ent that app sent or if sta | g bark or othe sent 5-15 inch ent >15 inch I he site. resent but too pear to offer o and is monoc | er usable roost feat DBH within 1000 DBH within 1000 fe cluttered to allow Irinking resource t | tures (cracks, feet of foreste eet of forestec many bats to throughout the natically quali | crevices, e ed areas. l areas. o drink easi e majority fies as a 1: | tc) ily or simu of the sun poor) | ıltaneous nmer. Fly | ly. No co vways to | orridors, resource | s are |
| 2. Moderate: Snags with sloughing bark or other roost f 3. Optimal: Snags with sloughing bark or other roost f 3. Optimal: Snags with sloughing bark or other roost f Water Resources: 1. Poor: bat drinking resources not p 2. Moderate: Ephemeral or intermittent streams or pond openings or canopy gaps allow bats easy access to the re 3. Optimal: Streams or ponds (including road ruts) press available. Forest Structure: (if hardwoods are absent or nearly abs 1. Poor: Habitat even aged and young. Trees smaller that 2. Moderate: some diversity in age of trees in the stand. may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees p gaps that facilitate bat foraging. | h sloughing eatures prese resent at the ed areas pr source. ent that app sent or if sta an 5 inch D Trees 5 to resent. Tre | g bark or othe sent 5-15 inch I ent >15 inch I resent but too pear to offer o and is monoc BH. Underst 15 inches pre ses > 15 inch 1 | er usable roost feat DBH within 1000 DBH within 1000 fe cluttered to allow Irinking resource t ulture, area autom ory growth clutter sent. Understory o DBH frequent. Va | tures (cracks, feet of forested many bats to throughout th natically quali red and restric clutter domin rying tree hei | crevices, e ed areas. l areas. o drink easi e majority fies as a 1: cts flying/f ant but not ght and tre | tc) ily or simu of the sur poor). foraging t ubiquitor cefalls allo | ultaneous nmer. Fly us. Trees ow for free | ly. No co ways to greater t quent sm | orridors, resource: han 15″ I all openi: | s are DBH |
| 2. Moderate: Snags with sloughing bark or other roost feasing openings or canopy gaps allow bats easy access to the residuates or canopy gaps allow bats easy access to the residuate bar or ponds (including road ruts) pressent in the stand. The stand way be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present but rare. 2. Marginal: Trees present in the form of small woodlot 3. Optimal: Area is largely forested. Wooded stands are with the stand wood stands are build wood wood stands are build wood wood wood stands are build wood wood wood wood wood wood wood wo | h sloughing eatures prese tresent at the ed areas present at the ed areas present source. ent that app sent or if sta an 5 inch D Trees 5 to resent. Tree e predomin s and wood e connected | g bark or othe sent 5-15 inch I ent >15 inch I resent but too pear to offer of and is monoc BH. Underst 15 inches pre ses > 15 inch i antly un-fore led fence row I to other woo | er usable roost feat DBH within 1000 DBH within 1000 fe cluttered to allow Irinking resource t ulture, area autom ory growth clutter sent. Understory of DBH frequent. Va sted. Few mature is Little connection oded stands via wo | tures (cracks, feet of forested many bats to throughout the attically quali- red and restric- clutter domin rying tree hei- trees present on to adjacent ooded stream | crevices, e ed areas. l areas. e drink easi e majority fies as a 1: cts flying/f ant but not ght and tre forested a , fence row | tc) ily or simu of the sum poor). foraging t ubiquitor cefalls allo cted to oth reas. 7, or other | ultaneous nmer. Fly us. Trees ow for free ner areas wooded | ly. No co ways to greater t quent sm of trees. corridor. | orridors, resources han 15″ I all openis | s are DBH ngs |
| 2. Moderate: Snags with sloughing bark or other roost features: Snags with sloughing bark or other research and young. Trees smaller that 2. Moderate: some diversity in age of trees in the stand. may be present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present but rare. 3. Optimal: Mature forest. Diverse age classes of trees present present for a feature forest in the form of small woodlot 3. Optimal: Area is largely forested. Wooded stands are should be between 4 & 12. | h sloughing eatures prese tresent at the ed areas prese resource. ent that app sent or if sta an 5 inch D Trees 5 to resent. Tree e predoming and wood e connected | g bark or othe sent 5-15 inch I ent >15 inch I e site. resent but too pear to offer o and is monoc BH. Underst 15 inches pre res > 15 inch I eantly un-fore led fence row I to other woo | er usable roost feat DBH within 1000 DBH within 1000 fe cluttered to allow Irinking resource t ulture, area autom ory growth clutter sent. Understory of DBH frequent. Va sted. Few mature is. Little connection oded stands via wo | tures (cracks, feet of forested many bats to throughout th natically quali- ed and restric- clutter domin rying tree hei- trees present on to adjacent ooded stream Please retur | crevices, e ed areas. l areas. o drink easi e majority fies as a 1: cts flying/f ant but not ght and tre forested a , fence row n to: | tc) of the sum poor). foraging t ubiquitor cefalls allo cted to oth reas. 7, or other | ultaneous nmer. Fly us. Trees ow for free ner areas wooded | ly. No co ways to greater t quent sm of trees. corridor. | orridors, resources han 15″ I all openis | s are DBH ngs a |
| Noderate: Snags with sloughing bark or other roost feasing or canopy gaps allow bats easy access to the resident of the stands or ponds (including road ruts) press available. Forest Structure: (if hardwoods are absent or nearly ability in age of trees in the stand, may be present but rare. Optimal: Mature forest. Diverse age classes of trees p gaps that facilitate bat foraging. Land Cover: 1. Poor: Square kilometer surrounding site 2. Marginal: Trees present in the form of small woodlot 3. Optimal: Area is largely forested. Wooded stands are with a stands are shown which eries or bacerval in the form of stands are shown where the with eries or bacerval in the form of the stands are shown where the with eries or bacerval in the form of the stands are shown where the with eries or bacerval in the form of the stands are shown where the with eries or bacerval in the form of the stands are shown where the stands are sho | th sloughing eatures present intures present resent at the ed areas present source. ent that app sent or if sta an 5 inch D Trees 5 to resent. Tree e predomining and wood e connected | g bark or othe sent 5-15 inch I ent >15 inch I es site. resent but too pear to offer of and is monoc BH. Underst 15 inches pre ess > 15 inch I antly un-fore ded fence row I to other wo | er usable roost feat DBH within 1000 DBH within 1000 fe cluttered to allow Irinking resource to ulture, area automory growth clutter sent. Understory of DBH frequent. Va sted. Few mature oded stands via wo why Poud. | tures (cracks, feet of foreste er of forestec many bats to throughout th attically quali- red and restric- clutter domin rying tree hei- trees present on to adjacent ooded stream Please retur | crevices, e ed areas. l areas. o drink easi e majority fies as a 1: cts flying/f ant but not ght and tre forested a , fence row n to: Paint Liel | tc) ily or simu of the sum poor). foraging t ubiquitor cefalls allo cted to oth reas. 7, or other | ultaneous nmer. Fly us. Trees ow for free ner areas o wooded | ly. No co ways to greater t quent sm of trees. corridor. | han 15" I all openii | s are DBH ngs a |
| 2. Moderate: Snags with sloughing bark or other roost failed and the stage of the s | th sloughing eatures present intures present present at the ed areas present source. ent that app sent or if sta an 5 inch D Trees 5 to resent. Tree e predomin s and wood e connected | g bark or othe sent 5-15 inch I ent >15 inch I resent but too pear to offer of and is monoc BH. Underst 15 inches pre ses > 15 inch 1 eantly un-fore led fence row I to other wo | er usable roost feat DBH within 1000 DBH within 1000 fe cluttered to allow Irinking resource to ulture, area automory growth clutter sent. Understory of DBH frequent. Va sted. Few mature is Little connection oded stands via wo | tures (cracks, feet of forested many bats to throughout the attically quali- red and restric- clutter domin rying tree hei- trees present on to adjacent ooded stream Please retur P.O. Box 73, | crevices, e ed areas. l areas. o drink easi e majority fies as a 1: cts flying/f ant but not ght and tre forested a , fence row n to: Paint Lick | tc) ily or simu of the sum poor). foraging t ubiquitor cefalls allo cted to oth reas. 7, or other , KY. 4046 | iltaneous nmer. Fly us. Trees ow for free ner areas wooded | ly. No co ways to greater t quent sm of trees. corridor. | han 15″ I all openin | S are DBH ngs : |

| te N te L ouni | o ocation ny <u>5</u> @ ; UTM | 7 Wood la NECA A: () E 41.1 | Project T Ne 7585 | No./N <u>*† †</u> State_ | lame <u>4</u> 0 4 04 Ø/N_ | 12.01 ybear -82. | Freld Time Up 9603 | 0FF 090 | North North OpmTin Zone | Cre tow ne Dowr | <u>e6</u> <u>~sh:p_R</u> <u>0200</u> Datum_ | an 19 | Date 3 Observer | 7-24 | -15 cy/R.M | Greyer | | |
|----------------------|--|---|-------------------------|--------------------------------|------------------------------------|-------------------------|-----------------------------|-----------------------|----------------------------------|------------------------|--|-------------------------------|-----------------------|-----------------|---------------|-------------|----------|----------|
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phase | • % | 60 | G | Var I Wa |
| 1 | 9:30 | EPFU | J | F | NR | 13.0 | 48 | D | 5 | 0 | MA | NIA | NA | | | Rise | | Set |
| 2 | 10:20 | LABO | A | F | PL | 140 | 39 | Ø | 45 | 0 | NIA | NA | NIA | Sun | | 6 | :13 | 20: |
| 3 | 10:50 | EPPU | A | F | PL | 23. | 50 | A | 3.5 | 0 | N/A | NIA | N/A | Moon | | 14 | 126 | NN |
| 4 | 11:10 | EPFU | J | F | NR | 14.25 | 44 | A | 2.5 | 0 | NIA | N/A | NIA | - | | _ | | |
| 5 6 | 11:30 | EPFU | A | M | NR | 15.75 | 45 | A | 2 | 0 | NIA | NIA | NIA | Time | Temp (F) | Sky | Wind | No. Ba |
| 7 | | | 1.0 | | 12 | 2-2014 | 123201 | 4.4 | in the table is | | 12.55 | | 1450 | 0900 | 78 | 1 | 0 | NI |
| 8 | | | | 10000 | - | 1 | | | 1 | | £1 | | | 1000 | 76 | 1 | 0 | 1 |
| 9 | | | | | | 1.1.1 | 1 | | 1 II. I. | | | | - L | 1100 | 74 | 1 | 0 | 2 |
| 10 | | | | 100 | 1 1 1 1 | | | | | | | | | 1200 | 72 | 1 | 0 | 2 |
| 11 | | | _ | - | | | | | | | 1 | - | | 100 | 67.5 | 1 | 0 | 1 |
| 12 | - | | | - | | 1.00 | | | S S | | - | | | 0200 | 66 | 1 | 0 | 0 |
| 13 | | | - | - | | · · · · · · | | | | | | | | - | 1000 | C. 1.70 | | |
| 14 | | | | | | | | - | - | - | | | - | | - | - | | - |
| 16 | | | | 1 | | 1 | 1 | _ | | | | | | - | | Sky Code | | |
| 17 | | | - | | | - | | | | | | - | 1 | 0 | Clear | | | _ |
| 18 | | | | | | | | | 1 | - | | - | | 1 | Few Cloud | s | | _ |
| 19 | | | | | | | | | | 1 | | | | 2 | Partly Clou | idy | | |
| 20 | 1 | and the second se | | 1.1.1 | | 1 | | | 1 | | | | | 3 | Cloudy or | overcast | | |
| 21 | | | | | 1 | | 1 11 | | | | | | | 4 | Fog or smo | ke | | |
| 22 | | | | | | (| | | | | | | | 5 | Drizzle or | light rain | | - |
| 23 | | | | | 1.000 | | | 1.00 | | _ | | | | 6 | Heavy rair | - thunde | er storm | |
| 24 | (| A | | + | 2-1-1 | | | | | | | | | | | | | |
| 25 | | | 1 | | 1 | [] | | | | | 1 | | 1 | 1 | Beau | fort Wind | l Scale | |
| 26 | - | | - 1 | E_1 | | | | 1 | | 100 | | | 1 | 0 | Calm: <1 n | nph | | |
| 27 | - | | - | 2.00 | 100 | | | | 1.000 | | · · · · · · | | t | 1 | Light air: 1 | -3 mph | | |
| 28 | | | | | (| | | | | | | | | 2 | Light breez | e: 4-6 mp | h | |
| 29 | 1 | | | | 1 | | | - | 1 | | | - | | 3 | Gentle bree | eze: 7-10 1 | nph | |
| pec orea | ies Abbre dis (LABC AU): Myot | viations: Coryno); Lasiurus cine | orhinus ra reus (LAC | afinesqu CI); Lasin | ii (CORA urus semi |); Coryne inolus (L. | orhinus t. v ASE); Lasio | virginiai onycteri | nus (COVI) s noctivaga | ; Eptesicu ans (LAN | s fuscus (E O); Myotis | PFU); Lasiur austroripariu | us 1s | 4 Please Ret | Moderate l | preeze: 11 | -16 mph | |

Mist Netting Data Form

| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phase | % | 100 | Full M | ax / Wane |
|------|----------|---------------|-------|-------|--------|-------------|---|---------------------------------------|-----------------------|---------------------------------------|---------|---------------------------------------|-----------|------------|--------------|-------------|----------|-----------|
| 1 | 9:50 | EPFU | 5 | F | NR | 12.0 | 46 | D | 6 | 0 | N/A | NIA | N/H | | | Rise | | Set |
| 2 | 10:00 | EPFU | J | M | NR | 14.0 | 46 | D | 4 | 0 | NA | NIA | NIA | Sun | | 6 | 25an | 8:520 |
| 3 | 1.1 | | 100 | 1421 | | 1224 | 1.5 | 1.20 | 1 | | 0.00 | 10000 | 120.00 | Moon | | 8: | 10 pm | 5:35a |
| 4 | | | | | 11.000 | 1.0.00 | (| - | · | 1 | | | 1 | | | | | |
| 5 | | | | 10.0 | 0.150 | | | | | | | | · · · · · | Time | Temp (F) | Sky | Wind | No. Bats |
| 6 | 1 | | - | - | | | | - | | _ | | | | | | ~ | 1 | 1. |
| 7 | | | - | | | - | | _ | | | - | | - | 9:00 | 76 | 0 | 1 | NA |
| 8 | | | - | - | - | | | - | | - | | | | 10.00 | 23 | 0 | 4 | |
| 10 | - | | - | - | | | - | _ | | | | | | 11:00 | 65 | 0 | 1 | 0 |
| 11 | | | - | - | - | - | | | | | | | | 16:00 | 69 | 0 | - | 0 |
| 12 | | | 1 | | | | | 1 | | - | | - | - | 02 00 | 60 | 0 | 1 | 0 |
| 13 | | | - | | | - | | | | · · · · · · · · · · · · · · · · · · · | | - | | 0200 | 61 | 0 | C | 0 |
| 14 | | | | | | | | _ | | | | | 1 | | | | | |
| 15 | 11 | | - | | | | | · · · · · | S | | - | | 1 | | | | | - |
| 16 | | | | | | | | | | | | | - | | | Sky Code | | |
| 17 | 1 | | | 1.2.2 | | | | | | | | - | | 0 | Clear | | | |
| 18 | 1 | 1.000 | 1 | | | | 17.000 | · · · · · · · · · · · · · · · · · · · | $\gamma = -i\epsilon$ | (a | | | 1.1.1.1. | 1 | Few Cloud | ls | | |
| 19 | | | | | | | | | 1.11 | | | | 1 | 2 | Partly Clou | udy | | |
| 20 | | | | | | | 1. J. | | | | | | | 3 | Cloudy or | overcast | | |
| 21 | 1 | | 1 - 1 | | 1 | 1.11 | | | S | - | | | | 4 | Fog or smo | oke | - | |
| 22 | | 1. | | | - | · · · · · · | 1. | | 2 | | | · · · · · · · · · · · · · · · · · · · | | 5 | Drizzle or | light rain | | |
| 23 | | | | | 2. 3 | 1. | 5 | | | | | | | 6 | Heavy rair | n - thunde | er storm | |
| 24 | | | 1 | | - | | | | - | | - | | - | | | | | |
| 25 | | - | | 1.27 | | - | | | | | | | | | Beau | fort Wind | d Scale | |
| 20 | - | | - | - | | | - | | - | | | | - | 0 | Calm: <1 n | nph | | |
| 28 | - | | | - | - | _ | | | | - | | | - | 1 | Light air: 1 | -3 mph | | |
| 20 | - | | + | | - | - | | | - | | | | | 2 | Light breez | ze: 4-6 mp | oh . | |
| 30 | - | | - | - | - | - | | | | - | | | | 3 | Gentle bree | eze: 7-10 1 | mph | |
| COL | stic Sur | www. Unit tur | De l | - | Unit # | | Date | | Start tin | 10 | | Ston time | | 4 | Moderate t | preeze; 11 | -16 mph | |
| cou | Suc Surv | cy. Ond typ | ~ | | Ont # | - | Date | - | Start tin | 10 | | Stop time | | Planca Pat | um to: | | _ | |
| icou | Suc Sur | icy. Onderlyp | | | Ont " | | Date | | Start tin | ne | _ | Stop time | | Please Ret | urn to: | . 1 . 1/2 | 101/1 | |

| | n); UTM: 0/E 41.17587 W/ | N 82.9603 | 3 | Zone_ | | Observers_ | B. Re- | iley / A | L MCG | regor | 9 | |
|-----------------------|--|---|--|--|--|--|---|---|--|--|---|------------------------|
| Datum | : NHUBS County Serveca | State_C | 14 Quad | ri/ | CSIDE | 1 | | Domi | nant Veg | etation | _ | |
| nie Di | agrain, | | Net (m) | (m) | Dates | 1 6.1. | 11 11 | ale | 4 54 | aac bu | vk h | ic he |
| ~ * | | 1.0 | A 57 | 6 | 7/24+7/20 | 2. Pin | Oak | per s | 5. | ing be | - | |
| 15 | Just Kander 17 | and 1 | B 5.7 | 12 | 7/24 | 3. wh: | te o | ar | 6 | | | |
| L | VE ANDE | int _ | C 5.7 | 29 | 7/24 | | | | Antonia | 1.0 | | |
| 1 | I FLX | 14 | D 7.8 | 9 | 7/24-7/30 | | _ | Net S | Set by H | abitat | | |
| / | | ATT TAIL O | E 5.2 | . 6 | 7/30/15 | Habitat | Α | B | C | D | E | 1 |
| / | -) is little | 111-1 | F 5.7 | 9 | 7/30/15 | River | i Parts | | | 12 | 1. | |
| | S Fortage | 1/ NetA | 1.1.16-3 | | 1 | Stream | | 1.1 | 1 | 11 | | |
| 1 | The trail | 11/1 | | 1.5 | | Pond | | V | | 1 | | 1.3 |
| 1. | A FILLE | 1.20/01 | Site Photo | graphs | | Corridor | V | V | V | V | V | V |
| 15% | | IN AST | Camera: | 1. | . 1.1.1 | Cave | | | | 1.00 | _ | |
| 1. | - IS HO | 10/ | Photo Log | dow | Aure | Forest | - | - | | | | - |
| 1 | Fores I The A | X // | 10 70 | sie | arive | Gan | | | | | | |
| _ | E wat | K Not | 5 | - | | Other | - | | | | - | - |
| / | 1.5 Mon SI | API 3 | 1 | | | outer | | 1.1.1 | () = - + 1 | 1.00 | | 077 |
| | / / M | PONO | | | | 1.4 | 1 | | 1.00 | 1.1 | | - |
| ndian | DUT LIVE OF A LOU ICI | se appropriate so | ore for eac | h habita | t characteristic) | | | | _ | - | | |
| inuldI | a Bat Habitat Characterization (Choo | | | | it characteristic) | | | | | | | |
| 3 | Roost habitat: 1. Poor: No or few snag | $s \ge 5''$ DBH with s | loughing ba | rk or othe | er usable roost fea | tures (cracks | crevices, | etc) | | | | |
| 3 | A Bat Habitat Characterization (Choo <u>Roost habitat</u> : 1. Poor: No or few snag 2. Moderate: Snags with sloughing barl | s >= 5" DBH with s k or other roost feat | loughing ba ures presen | rk or othe 5-15 inch | er usable roost fea DBH within 1000 | tures (cracks) feet of fores | , crevices, ted areas. | etc) | | | | |
| 3 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark Water Resources: 1. Poor: bat dripling | s >= 5" DBH with s or other roost feature | loughing ba ures present res present | ork or othe 5-15 inch >15 inch I | er usable roost fea DBH within 1000 DBH within 1000 f | tures (cracks)) feet of fores eet of foreste | , crevices, ted areas. d areas. | etc) | | | | |
| 3 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark <u>Water Resources</u>: 1. Poor: bat drinkin, 2. Moderate: Ephemeral or intermittent | s >= 5" DBH with s or other roost features or other roost features g resources not press streams or ponded | loughing ba ures present res present ent at the si areas prese | rk or othe 5-15 inch >15 inch I te. nt but too | er usable roost fea DBH within 1000 DBH within 1000 f | tures (cracks)) feet of fores eet of foreste y many bats t | , crevices, ted areas. d areas. o drink ea | etc) silv or simi | ultaneous | Iv. No co | orridors. | |
| 3 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark <u>Water Resources</u>: 1. Poor: bat drinkin 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats eas | s >= 5" DBH with s or other roost features g resources not press streams or ponded y access to the resources | loughing ba ures present sent at the si areas prese urce. | rk or othe 5-15 inch >15 inch I te. nt but too | er usable roost fea DBH within 1000 DBH within 1000 f cluttered to allow | tures (cracks)) feet of fores eet of foreste / many bats t | , crevices, ted areas. d areas. o drink ea | etc) sily or simu | ultaneousi | ly. No co | rridors, | |
| 3 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark <u>Water Resources</u>: 1. Poor: bat drinkin 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats eas 3. Optimal: Streams or ponds (including) | s >= 5" DBH with s or other roost feature g resources not press streams or ponded y access to the resources g road ruts) present | loughing ba ures present sent at the si areas prese urce. that appear | rk or othe 5-15 inch >15 inch I te, nt but too | er usable roost fea DBH within 1000 DBH within 1000 f cluttered to allow Irinking resource | tures (cracks)) feet of fores eet of foreste 7 many bats t throughout t | , crevices, ted areas. d areas. o drink ea he majorit | etc) sily or simi y of the sur | ultaneousl mmer. Fly | ly. No co /ways to/ | rridors, resource | s are |
| 3 3 3 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark <u>Water Resources</u>: 1. Poor: bat drinkin, 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats eas 3. Optimal: Streams or ponds (including available. | s >= 5" DBH with s k or other roost features or other roost features g resources not press streams or ponded y access to the reson g road ruts) present | loughing ba ures present sent at the si areas prese arce. that appear | rk or othe 5-15 inch >15 inch I te, nt but too to offer c | er usable roost fea DBH within 1000 DBH within 1000 f cluttered to allow Irinking resource | tures (cracks,) feet of fores eet of foreste / many bats t throughout t | , crevices, ted areas. d areas. o drink ea he majorit | etc) sily or simu y of the sur | ultaneousl mmer. Fly | ly. No co zways to i | orridors, resource | s are |
| 3 3 3 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark <u>Water Resources</u>: 1. Poor: bat drinkin 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats eas 3. Optimal: Streams or ponds (including available. <u>Forest Structure</u>: (if hardwoods are abs | s >= 5" DBH with s or other roost feature g resources not press streams or ponded y access to the reson g road ruts) present sent or nearly absen | loughing ba ures present ent at the si areas prese urce. that appear t or if stand | rk or othe 5-15 inch >15 inch I te, nt but too to offer c is monoc | er usable roost fea DBH within 1000 DBH within 1000 f cluttered to allow Irinking resource | tures (cracks,) feet of fores eet of foreste / many bats t throughout t natically qual | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 | etc) sily or simu y of the sur : poor). | ultaneousl mmer. Fly | ly. No co /ways to / | rridors, resource | s are |
| 3 3 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark <u>Water Resources</u>: 1. Poor: bat drinkin 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats eas 3. Optimal: Streams or ponds (including available. <u>Forest Structure</u>: (if hardwoods are abs 1. Poor: Habitat even aged and young. 2. Moderate: some diversity in age of tr | s >= 5" DBH with s or other roost features g resources not press streams or ponded y access to the reson g road ruts) present sent or nearly absen Trees smaller than a ress in the stand. Tr | loughing ba ures present ent at the si areas prese urce. that appear t or if stand 5 inch DBH. | rk or othe 5-15 inch >15 inch I te. nt but too to offer c is monoc Underst | er usable roost fea DBH within 1000 DBH within 1000 f cluttered to allow trinking resource ulture, area autom ory growth clutter | tures (cracks,) feet of fores eet of foreste / many bats t throughout t natically qual red and restri | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 cts flying, | etc) sily or sime y of the sur : poor). /foraging | ultaneousl mmer. Fly | ly. No co /ways to / | prridors, resource | s are |
| 3 3 3 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark <u>Water Resources</u>: 1. Poor: bat drinkin 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats eas 3. Optimal: Streams or ponds (including available. <u>Forest Structure</u>: (if hardwoods are abs 1. Poor: Habitat even aged and young. 2. Moderate: some diversity in age of tr may be present but rare. | s >= 5" DBH with s or other roost feature g resources not press streams or ponded y access to the reson g road ruts) present sent or nearly absen Trees smaller than s ees in the stand. Tr | loughing ba ures present sent at the si areas prese urce. that appear t or if stand 5 inch DBH. ees 5 to 15 i | rk or othe 5-15 inch >15 inch I te. nt but too to offer c is monoc Underst nches pre | er usable roost fea DBH within 1000 DBH within 1000 f cluttered to allow trinking resource ulture, area autom ory growth clutter sent. Understory | tures (cracks,) feet of foreste v many bats t throughout t natically qual red and restri clutter domin | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 cts flying, nant but no | etc) sily or simu y of the sur : poor). /foraging ot ubiquito | ultaneousl mmer. Fly us. Trees | ly. No co vways to greater tl | orridors, resource han 15" l | s are DBH |
| 3 3 3 | a Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark <u>Water Resources</u>: 1. Poor: bat drinkin, 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats eas 3. Optimal: Streams or ponds (including available. <u>Forest Structure</u>: (if hardwoods are abs 1. Poor: Habitat even aged and young. 2. Moderate: some diversity in age of tr may be present but rare. 3. Optimal: Mature forest. Diverse age | s >= 5" DBH with s or other roost features g resources not press streams or ponded y access to the reson g road ruts) present sent or nearly absen Trees smaller than s ees in the stand. Tr classes of trees press | loughing ba ures present : sent at the si areas prese urce. that appear t or if stand 5 inch DBH. ees 5 to 15 i sent. Trees : | rk or othe 5-15 inch >15 inch I te, nt but too to offer c is monoc Underst nches pre > 15 inch I | er usable roost fea DBH within 1000 DBH within 1000 f cluttered to allow drinking resource ulture, area autom ory growth clutter sent. Understory DBH frequent. Va | tures (cracks,) feet of fores eet of foreste v many bats t throughout t natically qual red and restri clutter domin | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 cts flying, nant but no ight and t | etc) sily or simu y of the sur : poor). /foraging ot ubiquito reefalls allo | ultaneousl mmer. Fly vus. Trees ow for frec | ly. No co /ways to / greater tl quent sma | rridors, resource han 15″ 1 all openi | s are DBH ngs a |
| 3 3 3 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark <u>Water Resources</u>: 1. Poor: bat drinkin, 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats eas 3. Optimal: Streams or ponds (includin; available. <u>Forest Structure</u>: (if hardwoods are abs 1. Poor: Habitat even aged and young. 2. Moderate: some diversity in age of tr may be present but rare. 3. Optimal: Mature forest. Diverse age gaps that facilitate bat foraging. | s >= 5" DBH with s k or other roost features g resources not press streams or ponded y access to the reson g road ruts) present sent or nearly absen Trees smaller than s ees in the stand. Tr classes of trees press | loughing ba ures present sent at the si areas prese irce. that appear t or if stand 5 inch DBH. ees 5 to 15 i | rk or othe 5-15 inch >15 inch I te, nt but too to offer c is monoc Underst nches pre > 15 inch I | er usable roost fea DBH within 1000 DBH within 1000 f cluttered to allow drinking resource ulture, area autom ory growth clutter sent. Understory DBH frequent. Va | tures (cracks,) feet of fores eet of foreste v many bats t throughout t natically qual red and restri clutter domir arying tree he | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 icts flying, nant but no ight and t | etc) sily or simu y of the sur : poor). /foraging ot ubiquito reefalls allo | ultaneousl mmer. Fly pus. Trees ow for free | ly. No co /ways to) greater fl quent sma | orridors, resource han 15" l all openi | s are DBH ngs al |
| 3 3 3 2 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark <u>Water Resources</u>: 1. Poor: bat drinkin 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats eas 3. Optimal: Streams or ponds (including available. <u>Forest Structure</u>: (if hardwoods are abs 1. Poor: Habitat even aged and young. 2. Moderate: some diversity in age of tr may be present but rare. 3. Optimal: Mature forest. Diverse age gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer | s >= 5" DBH with s k or other roost feature g resources not present streams or ponded y access to the resond g road ruts) present sent or nearly absent Trees smaller than sees in the stand. Tr classes of trees present surrounding site present | loughing ba ures present ent at the si areas prese trce. that appear t or if stand 5 inch DBH. ees 5 to 15 i eent. Trees | rk or othe 5-15 inch >15 inch I te. nt but too to offer c is monoc Underst nches pre: > 15 inch I | er usable roost fea DBH within 1000 DBH within 1000 f cluttered to allow trinking resource ulture, area autom ory growth clutter sent. Understory DBH frequent. Va | tures (cracks,) feet of fores eet of foreste 7 many bats t throughout t natically qual red and restri clutter domir arying tree he e trees presen | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 cts flying, nant but no ight and t t not conn | etc) sily or simu y of the sur ; poor). (foraging ot ubiquito reefalls allo ected to ot | ultaneousl mmer. Fly us. Trees ow for free her areas o | ly. No co ways to greater th quent sma of trees. | nridors, resource han 15″ l all openi | s are DBH ngs a |
| 3 3 3 2 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark <u>Water Resources</u>: 1. Poor: bat drinkin, 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats eas 3. Optimal: Streams or ponds (including available. <u>Forest Structure</u>: (if hardwoods are abs 1. Poor: Habitat even aged and young. 2. Moderate: some diversity in age of tr may be present but rare. 3. Optimal: Mature forest. Diverse age gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer 2. Marginal: Trees present in the form if | s >= 5" DBH with s k or other roost features g resources not press streams or ponded y access to the resond g road ruts) present sent or nearly absent Trees smaller than s ees in the stand. Tr classes of trees press surrounding site pro- of small woodlots and | loughing ba ures present sent at the si areas prese urce. that appear t or if stand 5 inch DBH. ees 5 to 15 i sent. Trees 3 redominant | rk or othe 5-15 inch >15 inch I te, nt but too to offer c is monoc Underst nches pre > 15 inch l ly un-fore fence row | er usable roost fea DBH within 1000 DBH within 1000 f cluttered to allow trinking resource ulture, area autom ory growth clutter sent. Understory DBH frequent. Va sted. Few mature | tures (cracks,) feet of foreste eet of foreste 7 many bats t throughout t natically qual red and restri clutter domir urying tree he trees presen on to adjacen | crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 cts flying, hant but no ight and t t not conn t forested | etc) sily or simu y of the sur : poor). /foraging ot ubiquito reefalls allo ected to oth areas. | ultaneousl mmer. Fly ous. Trees ow for free her areas o | ly. No co ways to greater th quent sma of trees. | erridors, resource han 15″ l all openi | s are DBH ngs a |
| 3 3 3 2 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark Water Resources: 1. Poor: bat drinkin, 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats eas 3. Optimal: Streams or ponds (including available. Forest Structure: (if hardwoods are abs 1. Poor: Habitat even aged and young. 2. Moderate: some diversity in age of tr may be present but rare. 3. Optimal: Mature forest. Diverse age gaps that facilitate bat foraging. Land Cover: 1. Poor: Square kilometer 2. Marginal: Trees present in the form of 3. Optimal: Area is largely forested. Weight and the strest of the | ss >= 5" DBH with s or other roost features or other roost features streams or ponded y access to the reson g road ruts) present sent or nearly absen Trees smaller than s ees in the stand. Tr classes of trees press surrounding site proof small woodlots a vooded stands are co | loughing ba ures present : sent at the si areas prese urce. that appear t or if stand 5 inch DBH. ees 5 to 15 i sent. Trees : redominant nd wooded onnected to | rk or othe 5-15 inch >15 inch I te, nt but too to offer c is monoc Underst nches pre > 15 inch I ly un-fore fence row other woo | er usable roost fea DBH within 1000 DBH within 1000 f cluttered to allow drinking resource ulture, area autom ory growth clutter sent. Understory DBH frequent. Va sted. Few mature s. Little connection oded stands via w | tures (cracks,) feet of fores eet of foreste v many bats t throughout t natically qual red and restri clutter domir urying tree he e trees presen on to adjacen ooded strean | , crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 icts flying, nant but no ight and t t not conn t forested n, fence ro | etc) sily or simu y of the sur : poor). /foraging ot ubiquito reefalls allo areas. w, or other | ultaneousl mmer. Fly ous. Trees ow for free her areas o wooded o | ly. No co /ways to / greater fl quent sma of trees. corridor. | orridors, resource han 15″ l all openi | s are DBH ngs a |
| 3 3 3 2 11 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark Water Resources: 1. Poor: bat drinkin 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats eas 3. Optimal: Streams or ponds (including available. Forest Structure: (if hardwoods are abs 1. Poor: Habitat even aged and young. 2. Moderate: some diversity in age of tr may be present but rare. 3. Optimal: Mature forest. Diverse age gaps that facilitate bat foraging. Land Cover: 1. Poor: Square kilometer 2. Marginal: Trees present in the form of 3. Optimal: Area is largely forested. W | ss >= 5" DBH with s k or other roost feature or other roost feature g resources not press streams or ponded y access to the reson g road ruts) present sent or nearly absen Trees smaller than s ees in the stand. Tr classes of trees press surrounding site proof small woodlots a 'ooded stands are co 4 & 12) | loughing ba ures present sent at the si areas prese tree. that appear t or if stand 5 inch DBH. ees 5 to 15 i sent. Trees = redominant nd wooded onnected to | rk or othe 5-15 inch >15 inch I te. nt but too to offer c is monoc Underst nches pre: > 15 inch I ly un-fore fence row other woo | er usable roost fea DBH within 1000 DBH within 1000 f cluttered to allow trinking resource ulture, area autom ory growth clutter sent. Understory DBH frequent. Va sted. Few mature vs. Little connection oded stands via w | tures (cracks,) feet of fores eet of foreste v many bats t throughout t natically qual red and restri- clutter domir arying tree he e trees presen on to adjacen ooded stream | crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 cts flying, nant but no ight and t t not conn t forested n, fence ro | etc) sily or simu y of the sur ; poor). (foraging ot ubiquito reefalls allo ected to other areas. w, or other | ultaneousl mmer. Fly us. Trees ow for free her areas o r wooded o | ly. No co zways to greater th quent sma of trees. corridor. | orridors, resource han 15" l all openi | s are DBH ngs ai |
| 3 3 3 2 1 | Bat Habitat Characterization (Choo <u>Roost habitat</u>: 1. Poor: No or few snag 2. Moderate: Snags with sloughing bark 3. Optimal: Snags with sloughing bark <u>Water Resources</u>: 1. Poor: bat drinkin, 2. Moderate: Ephemeral or intermittent openings or canopy gaps allow bats eas 3. Optimal: Streams or ponds (including available. <u>Forest Structure</u>: (if hardwoods are abs 1. Poor: Habitat even aged and young. 2. Moderate: some diversity in age of tr may be present but rare. 3. Optimal: Mature forest. Diverse age gaps that facilitate bat foraging. <u>Land Cover</u>: 1. Poor: Square kilometer 2. Marginal: Trees present in the form 4 3. Optimal: Area is largely forested. W <u>Total Habitat Score</u> (Should be between 4 | ss >= 5" DBH with s k or other roost feature or other roost feature g resources not press streams or ponded y access to the reson g road ruts) present sent or nearly absen Trees smaller than s ees in the stand. Tr classes of trees press surrounding site proof small woodlots a looded stands are co 4 & 12) | loughing ba ures present sent at the si areas prese tree. that appear t or if stand 5 inch DBH. ees 5 to 15 i sent. Trees 3 redominant nd wooded onnected to | rk or othe 5-15 inch >15 inch I te, nt but too to offer c is monoc Underst nches pre > 15 inch I ly un-fore fence row other woo | er usable roost fea DBH within 1000 DBH within 1000 f cluttered to allow trinking resource to ulture, area autom ory growth clutter sent. Understory DBH frequent. Va sted. Few mature oded stands via w | tures (cracks,) feet of foreste eet of foreste v many bats t throughout t natically qual red and restri clutter domir urying tree he trees presen on to adjacen ooded stream Please retur P.O. Boy 73 | crevices, ted areas. d areas. o drink ea he majorit ifies as a 1 cts flying, hant but no ight and t t not conn t forested n, fence ro m to: Paint Lic | etc) sily or simu y of the sur : poor). /foraging ot ubiquito reefalls allo ected to other areas. w, or other k KY 4044 | ultaneousl mmer. Fly ous. Trees ow for free her areas o wooded o | ly. No co ways to greater th quent sma of trees. corridor. | orridors, resource han 15" l all openi | s are DBH ngs a |

| Coun Lat/L | ocation_ ty <u>5e_</u> on ; UTN | M: N/E 41.1 | 7919 | State_ | OH W/N | -82.0 | Time Up 92827 | 205 | Zone | ne Dowi | Datum_A | 140 83 | Observe | rs ST. Same | oray | - c o | |) THEAT |
|---------------|---------------------------------------|---------------|------|--------|---------------------------------------|-------------|---|-------|------------------------|---------|-------------|---------------------------|---------|-------------------------------------|----------------------------------|--------------|-------------|------------|
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type <u>opwA</u> | Freq. | Moon Phas | se 74 % | | (V | Vax / Wan |
| 1 | 2125 | EPFU. | A | M | NR | 17.5 | 46.5 | A | 2.0 | 0 | - | - | | | | Rise | | Set |
| 2 | 2125 | EPFU | A | F | PL_ | 18.5 | 48.0 | A | 3.5 | 0. | - | - | - | Sun | | 062 | / · · · · · | 2055 |
| 3 | 2125 | EPEU | | () | 1 | - | - | A | 5.5 | - | X | ESCAPER | NET | Moon | | 1625 | 1 | 0245 |
| 4 | 2135 | EPÉN | A | F | PL | 18.75 | 47.0 | t | 1.5 | 0 | - | | - | | | | | |
| 5 | 2135 | EPFU | | 19-00 | 1.2 | - | 1.20 | A | 6.5 | | X | ESCARE® | NET | Time | Tomp (F) | Sky | Wind | No Bate |
| 6 | 2145 | LARO | T | M | NR | 9.5 | 39.0 | B | 2.0 | 0 | 1 | - | (| Time | remp (r) | SKy | wind | INO. Dats |
| 7 | 2145 | EPFU | A | Ŧ | PL | R.S | 17.0 | B | 2.5 | 0 | 1 | - | - | 2100 | 79 0 | N) | 0 | 9 |
| 8 | 2145 | EPFU | A | F | PL | 18.0 | 45.0 | A | 1.0 | 0 | . <u>-</u> | 1 | (| 2200 | 720 | 50 | 0 | 2 |
| 9 | 2145 | MYSE | A | F | NR | 7.5 | 35.5 | C | 2.0 | 6 | | 23360 | 137 | 2300 | 710 | 2 | 0 | 2 |
| 10 | 2245 | EPFU | A | F | PL | 21.5 | 48.0 | A | 1.0 | 0 | | | - | 0000 | 68 | 5 | 0 | 1 |
| 11 | 2245 | EPEU | J | F | NR | 17.0 | 46.0 | A | 0.5 | 0 | | | 1 | 0100 | 67" | 2 | 0 | a |
| 12 | 2315 | LAEO | 1 | F | | 15- | | A | 6.0 | 0 | | ESCAPEE | NET | 0000 | 60 | 2 | 0 | 0 |
| 13 | 2345 | EPEU | A | F. | PL | 24.7 | 419.5 | 4 | 6.0 | 0 | | | | 1 | | | 1.1.1 | |
| 14 | DESO | EPEU | J | M | NR | 17.0 | 47.5 | A | 6.5 | 0 | ÷ | | 1 |) | | | 1 | |
| 15 | 0110 | EPEL | T | M | NR | 16.5 | 45.0 | A | 4.0 | Ð. | - | - | 1 | | | | | |
| 16 | 0140 | MYSE | J. | F | NR | 6.75 | 34.0 | B | 2.0 | 0 | - | 23361 | 030 | | S | Sky Code | | |
| 17 | | | 1 | | 1000 | | | | | | | | | 0 | Clear | | | |
| 18 | 1 | | 1 | | | - | | | 1 march 1 | | | - | | 1 | Few Cloud | ls | | |
| 19 | - | | | 1 | 1 | | 1 | - | 1 | - | | 1 | | 2 | Partly Clo | udy | | |
| 20 | (Secol) | 1 | 1. | 1 | 1 | C | 1 | 1 | | | · · · · · · | · · · · · · · · · | 1 | - 3 | Cloudy or | overcast | | |
| 21 | <u>(</u> | | | (| | | | | | | | | 1.00 | 4 | Fog or smo | oke | | |
| 22 | P | 1 - J | 4 | | | 14 | | 12.1 | 1 | | 1252 | | | 5 | Drizzle or | light rain | | |
| 23 | | | | 1. | · · · · · · · · · · · · · · · · · · · | 10 | 1. S. | 1.1 | | | | | | 6 | Heavy rain | n - thunde | r storm | |
| 24 | 1 | | | | 1 | 1000 | | | | | | | | | | | | |
| 25 | | | 1 | | | 1.00 | | | | | | · (| | 1.11.11.11.1 | Beau | fort Wind | l Scale | |
| 26 | | | | | | | 1 | | | 1 | | 1 | | 0 | Calm: <1 r | nph | _ | |
| 27 | | | | | ÷ | | 1. J. | 1.1 | | | | | | 1 | Light air: 1 | -3 mph | | |
| 28 | | | | | | | 1.000 | | 1000 | | | | | 2 | Light bree: | ze: 4-6 mp | h | |
| 29 | J1751 | | | | | | 1 | 100 | | | | | | 3 | Gentle bre | eze: 7-10 1 | nph | |
| 30 | | | | | | | 10 | | | | 2 | | | 4 | Moderate | breeze: 11 | -16 mph | |
| cou | stic Surv | vey: Unit typ | be | | Unit # | | Date | | Start tin | ne | | Stop time_ | 1 | | | | | |
| Veat | herproo | fing | | | | | Date Date Coordin | ates_ | Start tin Start tin | ne | = | Stop time_ Stop time_ | | Please Re P.O. Box (859) 925- | turn to: 73, Paint I -9012 | Lick, KY | , 40461. | |
| om | nents: | | | | | | | | | | | | | | | | | p. 2 |

in the second

| | | 1.1.1.1.1.1.1.1 | | | Г | Mass | | | Height | | | Band# | Freq. | HBrau | nreiter | - CO | PPEF | CONFECTA |
|-----|-------------|-----------------|-----|-----------|---------------------------------------|-----------|---------------------------------------|-----|--------|------|---------|---------------------------------------|-----------------------|-----------|--------------|-------------|---------|------------|
| # | Time | Species | Age | Sex | Repr. | (g) | FA (mm) | Net | (m) | WDI | G/H/B/T | Туре | | Moon Phas | e 90% | | (V | Vax) / Wan |
| 1 | 2130 | EPFU | A | P | PL | 16.5 | 40.5 | A | 1.5 | 0 | | | | | | Rise | 1 | Set |
| 2 | 2130 | EPFU | 65 | CAP | EDF | ROI | n n | ET | A" 50 | | | 1 | - | Sun | | 0623 | 5 | 2653 |
| 3 | 245 | MYSE | J | E | NR | 6.0 | 34.0 | C | 3.0 | 0 | - | 23362 | | Moon | | 10224 | | 043 |
| 4 5 | 22-00 | EPFU | A | M | SC | 18.5 | 47 | A | 1.5 | 0 | | - | - | | | ie - | | |
| 5 | 2215 | EPFU | A | F | PL | 23.5 | 51.0 | A | 0.5 | 0 | - | | | Time | Temp (F) | Sky | Wind | No Bat |
| 6 | 2345 | EPFU | A | M | SC | 20,5 | 47,5 | A | 6.0 | 0 | - | | | Time | remp (r) | JKy | wind | INO. Data |
| 7 (| 500C | EPFU | A | F | PL | 20.0 | 46.5 | A | 6.0 | 0 | - | | | 2100 | 81 | 0 | 0 | 3 |
| 8 | | | 100 | 1 | t | U. | Constraint of | | | | | | | 0066 | 78 | 0 | 0 | 1 |
| 9 | | | | | | 1 | | 1 | | | | | | 2300 | 70 | 1 | 0 | 1 |
| 0 | - | | | | - | 1 | | | | | | | | 0000 | 73 | | 0 | |
| 1 | (| | | 10 | | 1 | | 1 | | ÷ | | | E | (20100) | 73 | | 0 | 0 |
| 2 | 5 | | | | 1 | 1000 | | | | 1 | 1 | 1 | | 0200 | 71 | 1 | 0 | O |
| 3 | | | | [] | | | | | | | | 1 | Approval and a second | 1 | 1 | | | 1 |
| 4 | | 6.00 c | | | 1 | 1 | | | | 1.00 | | 1 | 5 10 14 | 1 | 1 | | | |
| 5 | | | | | · · · · · · · · · · · · · · · · · · · | | | ÷ | | | | | - | | | 1. T. S. | | |
| .6 | | | | 12 | | 1 | 1. | | | | | | 1.1 | | 9.000 | Sky Code | C | |
| 7 | | | | | | | | | | - | | · · · · · · · · · · · · · · · · · · · | Sec. 12 | 0 | Clear | | | |
| 8 | | | | | | | | - | 4 | T | | 1 | | 1 | Few Cloud | ls | | |
| 9 | | | | · | 1 | | 1 | | | | | 1 | 1.1 | 2 | Partly Clo | udy | | |
| 20 | · · · · · · | | | · · · · · | 1000 | - I | 122.1 | | 0.10 | | | 2.14 | 1 | 3 | Cloudy or | overcast | | |
| 21 | | | | P | 1 | | · | | | 1 | | 12 | | 4 | Fog or smo | oke | | |
| 22 | | | | 1.000 | · | A | | | 1 | | | 1 | | 5 | Drizzle or | light rain | | |
| 23 | | | | | P | in | · · · · · · · · · · · · · · · · · · · | | | | | | | 6 | Heavy rain | n - thunde | r storm | |
| 24 | | | | | | | | | | | | A 444 11 | | | 1.0 | | | |
| 25 | | | | | | | 1.000 | | 1 | | | | 17 11 1 | | Beau | fort Wind | Scale | |
| 26 | 1 | | | | | 1.000 | / | | | | | Contract 1 | 1 | 0 | Calm: <1 r | nph | - | |
| 7 | | | | 11.20 | | | 1 | - | | | | · · · · · · · · · · | | 1 | Light air: 1 | -3 mph | | |
| 8 | | | - | | 1 | 5 | | | , E | | | E | | 2 | Light bree | ze: 4-6 mp | h | |
| 9 | | | | 1.1 | 1 | ~ -2 | | | | | | · · · · · · · | | 3 | Gentle bre | eze: 7-10 n | nph | |
| 0 | | | | | | h | | - | | | | | | 4 | Moderate | breeze: 11- | -16 mph | |

| | /E.41. 17919 | W/N-23.9282 | 7 | | Zone | ~ | Observers_ | ST. Say | moreny | | | | _ |
|---|---|--|--|--|---|---|--|--|--|---|--|---|-----------------------|
| Datum: NAO 83 | County 5 | evec Sta | te OH | Quad | Fires | ide | | | 6 | | | | |
| Site Diagram: | | | A L | Height | Length | | | _ | Domin | nant Veg | getation | n | |
| 6 | | A | 1 Net | (m) | (m) | Dates | 1. Acer st | acchara | m | 4 | | | |
| | | ha / | A | 7.4 | 6.0 | 26-304 | 2. Carya | mate | | 5 | | | |
| 1. | | | В | 5.2 | 9.0 | 26 - 3.4 | 3. Prones | BÊ. | | 6 | | | |
| 23 | SIR | 1 | C | 5.2 | 9.0 | 26 - July | | | | | | | |
| 1 1/ 1/ | ATV ten 1 | | D | 2.6 | 6.0 | WUT-35 | 1 | | Net S | Set by H | abitat | | 100 |
| 1 | e pla ecc | 1 1 | E | | F and the | | Habitat | Α | B | C | D | E | |
| 11 11 | | QC 1 | F | | P | | River | 1000 | 1 - 1 - 1 | 1.1.1 | | | |
| 6 21 3 | - Golt- | | + *** | | | i | Stream | X | X | | | | |
| S. | S. | 1 diet | 100 | 1 4 | - | | Pond | | 1.1.1.1 | | X | | - |
| 12 12 | an Heet | | Site | Photog | aphs | | Corridor | | 1 | X | | | - |
| Fill M | B FFT | | Can | nera: 1 | Kone | | Cave | - | 1 | (<u>-</u> +) | | | 1 |
| 112 1 | Ward 10 the | | Pho | to Log:_ | | | Mine | | | 12.2.2 | 1.1 | | 1 |
| 111 | HA E | 1 1 | - | | | | Forest | | 0.000 | 1111 | | | |
| () | 2. 3 | 1 . 1 1 | | | | | Gap | | | 1.1 | | L | |
| 1 | 1 | 11/ 6 | - | | | | Other | | | | | | |
| 1 T | | 11/ | | | - | | | | 11.0 | | | | |
| ndiana Bat Habi <u>3</u> <u>Roost hal</u> 2. Modera 3 Optima | itat Characteriza bitat: 1. Poor: No ate: Snags with slov | tion (Choose appropria or few snags >= 5" DBH w bughing bark or other roost | te score ith sloug features | for each hing barl present 5 | habitat corothe -15 inch | t characteristi r usable roost fo DBH within 10 | c) eatures (cracks, 100 feet of forest | crevices, e ed areas. | etc) | | | | 1 |
| Indiana Bat Habi <u>3</u> Roost hal 2. Moder: 3. Optima <u>Water Re</u> 2. Modera openings 3. Optima available. <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>8</u> <u>8</u> <u>9</u> <u>9</u> <u>1</u> <u>1</u> <u>9</u> <u>1</u> <u>1</u> <u>9</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> | itat Characteriza bitat: 1. Poor: No ate: Snags with slou sources: 1. Poor: ate: Ephemeral or i or canopy gaps all al: Streams or pond ructure: (if hardw labitat even aged a ate: some diversity resent but rare. al: Mature forest. 1 facilitate bat forag | tion (Choose appropria or few snags >= 5" DBH w bughing bark or other roost ighing bark or other roost bat drinking resources not intermittent streams or por low bats easy access to the ds (including road ruts) pre- oods are absent or nearly a and young. Trees smaller to in age of trees in the stand Diverse age classes of trees ing. | te score ith sloug features p present a ided area resource. sent that bsent or i han 5 incl 1. Trees 5 present. | for each hing barl present 5 resent >1 at the site s present appear to f stand is h DBH. I to 15 inc Trees > 1 | habitat c or othe -15 inch D but too o offer de monocu Jndersto hes pres | t characteristi r usable roost fo DBH within 10 BH within 1000 cluttered to allo rinking resource thure, area auto ory growth clutt ent. Understor DBH frequent. M | c) eatures (cracks, 00 feet of forested of forested ow many bats to be throughout the omatically quali- tered and restrict y clutter domin Varying tree hei | crevices, e ed areas. 1 areas. o drink eas ne majority fies as a 1: cts flying/ ant but no ight and tr | etc) sily or simu y of the sur poor). foraging ot ubiquitor reefalls allo | ultaneous nmer. Fly us. Trees ow for free | ly. No co yways to greater t quent sm | orridors, resources han 15″ I all openin | s are DBH ngs a |
| Andiana Bat Habi 3 Roost hal 2. Moder: 3. Optima 3 Water Reg 2. Moder: 3. Optima 3 Optima | itat Characteriza bitat: 1. Poor: No ate: Snags with slou sources: 1. Poor: ate: Ephemeral or i or canopy gaps all al: Streams or pond ructure: (if hardw labitat even aged a ate: some diversity resent but rare. al: Mature forest. 1 facilitate bat forag ver: 1. Poor: Squar al: Trees present al: Area is largely tat Score (Should 1 | tion (Choose appropria or few snags >= 5" DBH w bughing bark or other roost ighing bark or other roost bat drinking resources not intermittent streams or por low bats easy access to the ds (including road ruts) pre oods are absent or nearly a and young. Trees smaller to in age of trees in the stand Diverse age classes of trees ing. re kilometer surrounding s in the form of small woodl forested. Wooded stands a be between 4 & 12) | te score i ith sloug features p present a ided area resource. isent that bsent or i han 5 incl t. Trees 5 present. ite predor ots and w ire conne | for each hing barl present 5 resent >1 at the site s present appear to f stand is h DBH. I to 15 inc Trees > 1 minantly ooded fe cted to ot | habitat c or othe -15 inch D but too o offer da monocu Jndersto hes pres 15 inch D un-fores nce rows her woo | t characteristi r usable roost fo DBH within 100 BH within 1000 cluttered to allo rinking resource alture, area auto ry growth clutt ent. Understor DBH frequent. We sted. Few matu s. Little connec ded stands via | c) eatures (cracks, 00 feet of forested of forested ow many bats to be throughout the omatically quali- tered and restrict y clutter domin Varying tree heit tree trees present to n to adjacent wooded stream Please retur | crevices, e ed areas. I areas. o drink eas ne majority fies as a 1: cts flying/ ant but no ight and tr forested a forested a forested row forested row | etc) sily or simu y of the sur poor). foraging ot ubiquitor reefalls allo ected to other areas. w, or other | ultaneous nmer. Fly us. Trees ow for free ner areas o wooded | ly. No co yways to greater t quent sm of trees. corridor. | orridors, resources han 15″ I all openin | S are |
| Indiana Bat Habi <u>3</u> <u>Roost hal</u> 2. Moder: <u>3</u> <u>3</u> <u>4</u> <u>6</u> <u>7</u> <u>7</u> <u>8</u> | itat Characteriza bitat: 1. Poor: No ate: Snags with slou sources: 1. Poor: ate: Ephemeral or i or canopy gaps all al: Streams or pond ructure: (if hardw labitat even aged a ate: some diversity resent but rare. al: Mature forest. 1 facilitate bat forag ver: 1. Poor: Squar hal: Trees present al: Area is largely tat Score (Should 1 | tion (Choose appropria or few snags >= 5" DBH w bughing bark or other roost inghing bark or other roost bat drinking resources not intermittent streams or por low bats easy access to the ds (including road ruts) pre oods are absent or nearly a and young. Trees smaller to y in age of trees in the stand Diverse age classes of trees fing. re kilometer surrounding s in the form of small woodl forested. Wooded stands a be between 4 & 12) | te score : ith sloug features p present a ided area resource. issent that bsent or i han 5 incl . Trees 5 present. ite predor ots and w ire conne | for each hing barl present 5 resent >1 at the site s present appear to f stand is h DBH. I to 15 inc Trees > 1 minantly ooded fe cted to ot | habitat c or othe -15 inch D but too o offer da monocu Jndersto hes pres 15 inch D un-fores nce rows her woo | t characteristi r usable roost fo DBH within 10 BH within 1000 cluttered to allo rinking resource alture, area auto ry growth clutt ent. Understor DBH frequent. A sted. Few matures. Little connect ded stands via | c) eatures (cracks, 00 feet of forested 0 feet of forested ow many bats to be throughout the omatically quali- tered and restrict y clutter domin Varying tree hei- tre trees present tion to adjacent wooded stream Please retur P.O. Box 73. | crevices, e ed areas. I areas. o drink eas ne majority fies as a 1: cts flying/ ant but no ght and tr forested a forested a forested a forested row n to: Paint Lick | etc) sily or simu of the sur poor). foraging tubiquitor reefalls allo ected to other areas. w, or other | ultaneous nmer. Fly us. Trees ow for free ner areas o wooded | ly. No co yways to greater t quent sm of trees. corridor. | orridors, resources han 15″ I all openin | DBH ngs a |

ļ

OHIO BAT BANDING DATA FORM

| Principle Investigator(s) Star Samoray | Location (lat/longs in D:M:S format) 41°10'45.084" - 82°5 | 5 41.772" |
|--|---|-----------|
|--|---|-----------|

County Sereca Site Description Woodbot & pere unie Stream Survey dates 26+28 July 2015 Total mist net nights 8

| Band Number | N/R? | Date of Capture | Time of Capture | Habitat | Species | Arm Banded | Sex | Age | Repro- ductive Status | Weight (g) | Forearm Length |
|---|------|--------------------|-----------------------|---------|---------|---------------|-----|-----|-----------------------------|---------------|-------------------|
| 23360 | N | 26-301-15 | 2145 | C | MYSE | L | F | A | NR | 7.5 | 35.5 |
| 23361 | N | 26-Jul- 15 | 0140 | C | MYSE | L | F | 5 | NR | 6.75 | 34.0 |
| 23362 | N | 28-Jul-15 | 2)45 | C | MYSE | L | F | 2 | NR | 6.0 | 34.0 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | - | | | | | | | _ | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| · - · · · · · · · · · · · · · · · · · · | | 1 | | | | | | | | | (|
| | | | | | | | | | | | |
| | i | 1 | | 1 1 | | | | | | | |
| 1 | | | | | 1 | | | | | 10000 | |

N/R?: N = new capture, unbanded when captured, R = recapture, already banded when captured; HABITAT (at capture site): C = creek/riparian, B = bottomland forest, U = upland forest, P = pond, O = other (note type in margin); ARM BANDED: L = left, R = right (typically males are banded on the right forearm and females on the left); SEX: M = male, F = female; AGE: A = adult, J = juvenile, U = unknown; REPRODUCTIVE CONDITION: S = scrotal, P = pregnant, L = lactating, PL = post lactating, NR = nonreproductive, U = unknown

| | , | 1. N/ E | 71937 | - | | - 05.0 | 454.8 | _ | _ Zone | | Datum_ | UPURS | Observer | s v. Jrori | n, V, A/1 | ng er | PPE | RHEA |
|----|-----------------|---------|-------|-------|--|--------------|---------|-------|---------------|-----|---------------------------------------|---------------|----------|------------|--------------|------------|-----------------|-----------|
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | e % | 72. | 5 | Wax / Wax |
| 1 | 9.35 | EPFU | A | F | PL | 16 | 48 | D | 0.5 | 0 | na | na | 60 | | - | Rise | - | Set |
| 2 | 11.60 | LABO | TV | m | NR | 6.5 | 36 | A | 0.5 | 0 | na | 06 | na | Sun | | 6:19 | am | 8:53 |
| 3 | 11:40 | EPFU | A | Ŀ | PL | 15.75 | 45 | B | 6.0 | 0 | na | na | na | Moon | 1 | 4:13 | pm | 1:25 |
| 4 | 1140 | EPFU | A | m | S | 15 | 44 | D | 0.5 | 0 | na | na | 19 | - | | | · | 1.00 |
| 5 | 12.10 | EPFU | A | F | L | 20,75 | 45 | D | 1.0 | 0 | na | na | na | Time | Tomp (F) | Clas | Wind | No Pa |
| 6 | 17:10 | EPFU | JV | F | NR | 15.25 | 46 | A | 1.0 | 0 | na | na | na | Time | Temp (r) | Эку | wind | INO, Da |
| 7 | 1:22 | EREV | A | m | 3 | 18 | 48 | D | 1.5 | 0 | De | na | na | 9:00 | 69.8 | 1 | 1 | 1 |
| 8 | | 100 C | | | | Property and | | | - 11 T | | - C | 10000 | 100.00 | 10:00 | 68.5 | 1 | 1 | 0 |
| 9 | | | 14 | | 1 - P | | | | | | | 1 | 1 | 11:00 | 67.6 | 1 | 1 | 3 |
| 10 | | | 1 | | | 1 | | | | | | | | 12:00 | 66.2 | 1 | | 7 |
| 11 | | | | | - | · : | | | - | VS | | | h | 1.00 | 63.4 | 0 | 1 | 1 |
| 12 | P | | | 1 | | | | - | | | | | 1 | 2:00 | 64.8 | 0 | 2 | 1 |
| 13 | 1 | | | | | (L | | | | 1 | | | - | | | | | |
| 14 | | | | - | | | | | d d | | 1 | | - | 1 | 1 | - | | |
| 15 | | | | 1 | 0 | | X | | | 1 | | | 1.1 | | | 10.00 | | |
| 16 | | | | | 1.000 | | | | | | | | 1 | | | Sky Code | e | |
| 17 | 1 | - | | 1 | |) | | | 1 | - | | | | 0 | Clear | | | _ |
| 18 | | | | 1 | 1 | 1 | | - | | | | | | 1 | Few Cloud | ls | | |
| 19 | | | | | 1. | 1.1 | | | 1.00 | | | | | 2 | Partly Clo | udy | | |
| 20 | | | | | | 1 | | | 1 | | · · · · · · · · · · · · · · · · · · · | · | | 3 | Cloudy or | overcast | · · · · · · · · | |
| 21 | 100 | | | 1000 | | | | 1 | 1. | | 1 | | | 4 | Fog or smo | oke | | |
| 22 | - | | | 1 | | - | | | 11 | | | | | 5 | Drizzle or | light rain | L [] | |
| 23 | | | | (| | | | 1.11 | 1 | | | | | 6 | Heavy rain | n - thunde | er storm | |
| 24 | | | | 2.141 | 1.1.1 | 1.11 | | 1 - 2 | 1 | | | | S | | | | | |
| 25 | 1 | | | | | A | | 1000 | | H | | | 1 | ÷ | Beau | fort Wine | d Scale | |
| 26 | · · · · · · · · | | | | | | | | S | | | | 1 | 0 | Calm: <1 r | nph | | |
| 27 | | | | | | | | · | 1 | | | - | | 1 | Light air: 1 | -3 mph | | |
| 28 | | | | _ | | · · · · · | | | | | | | 10.00 | 2 | Light breez | ze: 4-6 mp | ph | |
| 29 | [] | | | | | · | | 1.11 | | | | 1 | - | 3 | Gentle bre | eze: 7-10 | mph | |
| 30 | | | | | | | | | | | | 1 | | 4 | Moderate I | preeze: 11 | -16 mph | |

| ite N | 01 | 9 | Project | No./N | lame_ 4 | 112 | 1 8 | mer | son | Cree | * | | Date | 7/27/14 | / | - | - | |
|-------|-----------|--------------|----------|-------------------|---------|-------------|---------|-----|---------------|---------------------------------------|---------|---------------|---------------------------------------|--------------|---------------|--------------|---|------------|
| e L | ocation | orest Aq. | edgej | Stre | AM CO | crido | (| | | | | | | | | | 12 | |
| un | y son | eca | DI Ca | State_ | 6H | - 00 | Time Up | 8:5 | 5Tin | ne Dowi | 1:55 | | | TCL | THE | | L | 7. |
| t/L | on ; UTM | : N/E_4/. | 1659 | | _W/N_ | -83. | 00348 | - | Zone | - | Datum_ | VAD85 | Observe | ers_J. Starm | 12. KI.ng | erco | PPER | HEAD |
| - | | | 1 | | | | | | | | | | | | | 18.01 | ************ | LONENSTING |
| # | Time | Species | Age | Sex | Repr. | Mass (g) | FA (mm) | Net | Height (m) | WDI | G/H/B/T | Band# Type | Freq. | Moon Phas | e % | | v | Vax / Wane |
| 1 | | | | | | | | | | | | | |) | | Rise | | Set |
| 2 | 1 | | | | 1.00 | | | | | | | | | Sun | | 101 | 22 am | Bisspr |
| 3 | | | | | | - | 1000 | . A | 0 | | | | | Moon | | 6:40 | Pn | 4120 am |
| 4 | | | () | | | P (1997) | 0 | 1× | 0 | 1.000 | | | Ú | | | | | _ |
| 5 | | | | | | - | W | AI | | | | | | Time | Temp (F) | Shy | Wind | No Bate |
| 6 | | | | | AL | () | D | 1 | | | | | 1-2 | Time | remp (r) | ORY | , , , , , , , , , , , , , , , , , , , | INO. Dats |
| 7 | 1 | | | | 10 | U | 1 | | 1 | | | | 1 | 9:00 | 70.7 | 1 | 2 | 0 |
| 8 | | | | 1 | 1200 | - | | 1 | 1000 | 1-1-1 | | 2 | 1 | 10:00 | 66.7 | 1 | 1 | 0 |
| 9 | | | L _ 7 | 1000 | | | | | - | | | | - | 11:00 | 105.8 | 1 | 2 | 0 |
| 0 | - | | | | | 1.11 | | L | | | | | - | 12:00 | 65,1 | (| 1 | 0 |
| 1 | | | 1 | · · · · · · · · · | | | | | | 1 | | · | · · · · · · · · · · · · · · · · · · · | 1:00 | 63.1 | 1 | 1 | 0 |
| 2 | | | | | | | L U | 1 | 1 1 | | | | | 2:00 | 61.7 | 0 | 1 | - |
| 3 | | | | 1 | _ | | | | | | | | | | 20.00 | 1 | 1.2.3 | 1 |
| 4 | | | 1 | | 1 | | | | | · · · · · · · · · | | | 22-02 | | | | | |
| 5 | | | | | | | | | 1.1.1.1 | 1 | | | 1 | _ | | | | 1000 C |
| 6 | 1 | | <u> </u> | - | | | | | | - | | · | 11 | | | Sky Code | 2 | |
| / | - | | - | | - | | - | | 1.1.1 | 1 | - | | - | 0 | Clear | | _ | |
| 8 | | | - | - | - | | | _ | | | | 5 | - | 1 | Few Cloud | S | | |
| 9 | | | 1 | | | 1 | - | _ | 1 | | | _ | 1 1 | 2 | Partly Clou | ıdy | _ | _ |
| 1 | | | - | | | - | - | - | - | - | | | | 3 | Cloudy or | overcast | | _ |
| 2 | | | - | - | | | | _ | | | - | | | 4 | Fog or smo | ke | | |
| 2 | | | - | - | | - | - | | | | | | - | 5 | Drizzle or l | light rain | 1 · · · · · · · · · · · · · · · · · · · | |
| 3 | | | | - | - | - | - | | | | | | | 6 | Heavy rain | - thunde | er storm | _ |
| 5 | | | | | _ | | - | - | - | | | | 1000 | | P | | 10.1 | _ |
| 6 | | | | - | | - | - | | - | _ | | | | | Beau | fort Wind | 1 Scale | _ |
| 7 | - | | - | - | | | | | | - | | - | | 0 | Calm: <1 m | iph 2 m l | | |
| 8 | | | - | - | | | | | | | | | | | Light air: 1- | -o mph | h | |
| 9 | | | | | | | | 1 | | | | | - | 2 | Contla breez | e: 4-6 mp | m | |
| 0 | | | | |) — _ · | | | - | - | | | - | - | 3 | Mederate 1 | ze: /-10 r | nph 16 m - b | |
| 011 | stic Surv | ev: Unit typ | e | | Unit # | | Date | - | Start tim | ne. | | Ston time | | 4 | Moderate b | reeze: 11 | -16 mph | |
| | a parts | | - | _ | Sint #_ | _ | Date | | Start tin | 10 | _ | Stop time | _ | Plazea Pat | um to: | | | _ |
| | | | | | | | Date | | Start tin | 10 | | Stop time | | PO Row | 2 Daint T | ick IN | 10461 | |
| | | | | | | | Durc | - | Junt ull | · · · · · · · · · · · · · · · · · · · | | orop time | | I .O. DOX / | J, I dilli L | ICK, NI | , 40401. | |

| _at/Lor | n; UTM: N/E 41. 17659 W | /N -83.00 3 | 18 | Zone | | Observers_ | J.54 | orm, J | · Kling | er | | |
|-----------------------|--|--|--|---|---|--|--|---|--|--|--|-------------------------|
| Datum | :: NAD83 County Schec | a State | OH_Quad_ | No | utson | _ | - 1 (A) | | | | | |
| ite Dia | agram: | | Height | Length | | - | - | Domin | ant Veg | etation | | |
| | 3 | A | Net (m) | (m) | Dates | 1. Juga | - Mapl | a., | 4. Syc | amore | | |
| 2 | 1 | 7 | A 5,2 | 12 | 7/14 +7/27 | 2. Black | cherry | Hickoryst | 5 | | | |
| 13 | 2 field | 1 | B 7.8 | 6 | 7/27 97/27 | 3. Oreen | Tyle I | Hackberry | 6 | | | _ |
| 24 | ng gint | | D 5.2 | 6 | 7/24 9 7/27 | - | _ | Net S | et by H | abitat | _ | - |
| 100 | A L A | 200 | E 5.0 | 6 | F/24 # F/24 | Habitat | A | BZ | C | D | E | F |
| 200 | En mar A | 1 des | F | - | | River | | | | | | |
| | ansa a | 201 | 1 | 1 | | Stream | 0 | X | X | X | | |
| | FSL 1 | | a | | | Pond | 11 | | | | | - |
| | 111 | | Site Photog | raphs | | Corridor | 1 | | 1 | | 11-11 | |
| 1.5 | A LIB | | Camera: | | | Cave | | | | | 1. 21. 11 | |
| | 5 13.07 | | Photo Log: | | | Mine | | | | | 2 ± 31 | 1 |
| 15 | st in | | - | | | Forest | | | - | | 1 | 10.1 |
| 20 | HAC | mun | | | | Gap | | | | | · | |
| | S. Local | | | | | Other | 1.000 | | | 1.111 | 1.1 | 1000 |
| | 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | | | | FUTESTIAN | \sim | | | | | |
| idiana 3 | a Bat Habitat Characterization (Cho <u>Roost habitat</u> : 1. Poor: No or few sna 2. Moderate: Snare with slowphing ba | oose appropriate ags >= 5" DBH with | score for each | habitat | t characteristic) r usable roost fea | Edge | Crevices, e | etc) | | | | |
| ndian 3 3 3 | a Bat Habitat Characterization (Cho <u>Roost habitat</u> : 1. Poor: No or few sna 2. Moderate: Snags with sloughing barl <u>Water Resources</u> : 1. Poor: bat drinki 2. Moderate: Ephemeral or intermitter openings or canopy gaps allow bats ea 3. Optimal: Streams or ponds (includir available. <u>Forest Structure</u> : (if hardwoods are al 1. Poor: Habitat even aged and young 2. Moderate: some diversity in age of may be present but rare. 3. Optimal: Mature forest. Diverse ag gaps that facilitate bat foraging. <u>Land Cover</u> : 1. Poor: Square kilomete | pose appropriate ags >= 5" DBH with rk or other roost feat ng resources not pr nt streams or ponde sy access to the res ng road ruts) prese bsent or nearly abse . Trees smaller that trees in the stand. " e classes of trees pr er surrounding site | score for each a sloughing bar atures present st tures present >: tesent at the site of areas presen ource. Int that appear the ent or if stand is in 5 inch DBH. Trees 5 to 15 ince esent. Trees > predominantly | habitat k or othe 5-15 inch D 5 inch D 5 inch D 6 offer d 6 offer d 9 offer | t characteristic) r usable roost fea DBH within 1000 BH within 1000 f cluttered to allow rinking resource alture, area autom ory growth clutter ent. Understory DBH frequent. Va sted. Few mature | tures (cracks, 0 feet of forested feet of forested w many bats to throughout the natically quali- red and restric clutter domin | crevices, e ted areas. d areas. o drink eas ne majority ifies as a 1: cts flying/ iant but no ight and tro t not conne | etc) sily or simu of the sum poor). foraging t ubiquitou eefalls allow | ltaneousl mer. Fly s. Trees w for freq er areas c | y. No co ways to p greater th quent sma of trees. | rridors, resources nan 15″ E all openir | s are DBH ngs and |
| ndian. 3 3 3 | a Bat Habitat Characterization (Cho <u>Roost habitat</u> : 1. Poor: No or few sna 2. Moderate: Snags with sloughing barl <u>Water Resources</u> : 1. Poor: bat drinki 2. Moderate: Ephemeral or intermitter openings or canopy gaps allow bats ea 3. Optimal: Streams or ponds (includir available. <u>Forest Structure</u> : (if hardwoods are al 1. Poor: Habitat even aged and young 2. Moderate: some diversity in age of may be present but rare. 3. Optimal: Mature forest. Diverse ag gaps that facilitate bat foraging. <u>Land Cover</u> : 1. Poor: Square kilomete 2. Marginal: Trees present in the form 3. Optimal: Area is largely forested. W | pose appropriate ags >= 5" DBH with rk or other roost feat ng resources not pr at streams or ponde usy access to the res ng road ruts) prese bsent or nearly abse . Trees smaller that trees in the stand. " e classes of trees pr er surrounding site to of small woodlots Wooded stands are a 4 & 12) | score for each a sloughing bar atures present 5 tures present > esent at the site of areas present ource. In that appear the ent or if stand is a 5 inch DBH. Trees 5 to 15 ind esent. Trees > predominantly and wooded for connected to o | habitat k or othe 5-15 inch D 5 inch D 5 inch D 6 offer dr 6 offer dr 7 understo 7 ches pres 15 inch D 7 un-fores 9 ence rows 16 ther woo | t characteristic) r usable roost fea DBH within 1000 BH within 1000 f cluttered to allow rinking resource alture, area autom ory growth clutter ent. Understory DBH frequent. Va sted. Few mature s. Little connected ded stands via w | <i>Forest/Ag</i> <i>Edge</i> atures (cracks, 0 feet of forested throughout the natically quali- red and restric- clutter domin arying tree heile e trees present on to adjacent | crevices, e ted areas. d areas. d areas. o drink eas ne majority ifies as a 1: cts flying/ tes flying/ | etc) sily or simu of the sum poor). foraging t ubiquitou eefalls allow ected to oth treas. v, or other v | ltaneousl umer. Fly s. Trees w for freq er areas c wooded c | y. No co ways to r greater th quent sma of trees. corridor. | rridors, resources nan 15" E all openir | s are DBH ngs and |
| ndian. 3 3 3 | a Bat Habitat Characterization (Cho <u>Roost habitat</u> : 1. Poor: No or few sna 2. Moderate: Snags with sloughing barl <u>Water Resources</u> : 1. Poor: bat drinki 2. Moderate: Ephemeral or intermitter openings or canopy gaps allow bats ea 3. Optimal: Streams or ponds (includin available. <u>Forest Structure</u> : (if hardwoods are al 1. Poor: Habitat even aged and young 2. Moderate: some diversity in age of the may be present but rare. 3. Optimal: Mature forest. Diverse ag gaps that facilitate bat foraging. <u>Land Cover</u> : 1. Poor: Square kilomete 2. Marginal: Trees present in the form 3. Optimal: Area is largely forested. To Total Habitat Score (Should be between anter: | pose appropriate ags >= 5" DBH with rk or other roost feal ng resources not pr at streams or ponde usy access to the reson ng road ruts) prese bsent or nearly abse . Trees smaller that trees in the stand. " e classes of trees pr er surrounding site n of small woodlots Wooded stands are n 4 & 12) | score for each sloughing bar atures present s cures present >: esent at the site of areas presen ource. In that appear the ent or if stand is n 5 inch DBH. Trees 5 to 15 incle esent. Trees > predominantly and wooded for connected to o | habitat k or othe 5-15 inch D 5 inch D 5 inch D 6 offer di 6 monocu Understo 5 monocu Understo 6 thes pres 15 inch D 9 un-fores ence rows ther woo | t characteristic) r usable roost fea DBH within 1000 BH within 1000 f cluttered to allow rinking resource alture, area auton ory growth clutter ent. Understory DBH frequent. Va sted. Few mature s. Little connection ded stands via w | Forest/Ag Edge atures (cracks, 0 feet of forested w many bats to throughout the natically quali- red and restric clutter domin arying tree hei- e trees present on to adjacent cooded stream Please retur | crevices, e ted areas. d areas. d areas. o drink eas ne majority lifies as a 1: cts flying/ ight and tro t not connect t not con | etc) Sily or simu of the sum poor). foraging to ubiquitou eefalls allow ected to other reas. v, or other o | ltaneousl amer. Fly s. Trees w for freq er areas c wooded c | y. No co ways to p greater th quent sma of trees. corridor. | rridors, resources han 15″ E hll openir | s are DBH 1gs and |

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

2/2/2018 1:55:37 PM

in

Case No(s). 17-2295-EL-BGN

Summary: Application Exhibit J Appendix E - Part 6 of 12 electronically filed by Teresa Orahood on behalf of Sally W. Bloomfield