

**BAT NETTING/TRAPPING SITE SURVEY RECORD**

1. Survey Date: \_\_\_\_\_ 2. Company Name: \_\_\_\_\_

3. Reporter: \_\_\_\_\_ 4. Assistants: \_\_\_\_\_

5. Site Name and/or Number: \_\_\_\_\_

6. Site is (circle one):      hibernation site                  summer habitat

7a. If hibernation site circle one: limestone mine, coal mine, limestone cave, sandstone cave, RR tunnel,  
other structure, describe - \_\_\_\_\_

7b. If summer habitat, describe area being sampled (e.g., forested stream or forest clearing with stream):  
\_\_\_\_\_

8. County: \_\_\_\_\_ 9. Township: \_\_\_\_\_

10. Was site GPS'd with a GPS unit?    YES - NO

11. Geographic Coordinates (DD): Latitude: \_\_\_\_\_ °N, Longitude: \_\_\_\_\_ °W

Datum (circle one): WGS84 (Preferred), NAD83, NAD27, Other: \_\_\_\_\_

12. Ownership and Access: (Who owns site or controls access? Give name and address; include phone and/or email if available)  
\_\_\_\_\_  
\_\_\_\_\_

13. Time (military) & Temperature: Start Time \_\_\_\_\_ h Stop Time \_\_\_\_\_ h Total Minutes: \_\_\_\_\_

Start Temp. \_\_\_\_\_ ° End Temp. \_\_\_\_\_ ° F / C (circle one)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;  
Steady Rain; Thunderstorms; Snow; Other: \_\_\_\_\_

15. Wind Conditions (circle one): Calm; Slight Breeze (leaves rustle); Gentle Breeze (leaves and twigs move);  
Moderate Breeze (small branches move); Windy (trees swaying).

16. Describe habitat 150 m around site: (topography and vegetation including dominant tree species)

(Site Survey Record – Continued) Site Name/No.: \_\_\_\_\_ Date: \_\_\_\_\_

**17. Capture Setup at Site:**

| Set # | Type | Count | Dimensions | Description        | Total Area (m) | Vertical Extent | Geographic Coordinates (DD) |
|-------|------|-------|------------|--------------------|----------------|-----------------|-----------------------------|
| 1     | Nets | 4     | 12m x 2.6m | Stacked over trail | 124.8 sq. m    | 1m -11.4m       | Latitude/Longitude          |
|       |      |       |            |                    |                |                 |                             |
|       |      |       |            |                    |                |                 |                             |
|       |      |       |            |                    |                |                 |                             |
|       |      |       |            |                    |                |                 |                             |
|       |      |       |            |                    |                |                 |                             |
|       |      |       |            |                    |                |                 |                             |
|       |      |       |            |                    |                |                 |                             |

Total Capture Area: \_\_\_\_\_

**18. Was reproductive status checked? YES / NO** (if “NO” only enter numbers in **Total** columns)

**\*CAPTURE RESULTS**

| Species                                                                                                                                                                                                                                                                                                                                                                | Number of Adult Females |    |   |    | No. Juv. Fem. | Total No. Fem. | Number of Adult Males |    | No. Juv. Male | Total No. Males | Species Totals |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----|---|----|---------------|----------------|-----------------------|----|---------------|-----------------|----------------|
|                                                                                                                                                                                                                                                                                                                                                                        | NR                      | PG | L | PL |               |                | SCR                   | NR |               |                 |                |
| <i>Eptesicus fuscus</i>                                                                                                                                                                                                                                                                                                                                                | 2                       |    | 1 |    |               | 3              | 2                     | 1  | 1             | 4               | 7              |
| <i>Myotis lucifugus</i>                                                                                                                                                                                                                                                                                                                                                |                         |    |   |    |               |                |                       |    |               |                 |                |
| <i>Myotis septentrionalis</i>                                                                                                                                                                                                                                                                                                                                          |                         |    |   |    |               |                |                       |    |               |                 |                |
| <i>Myotis leibii</i>                                                                                                                                                                                                                                                                                                                                                   |                         |    |   |    |               |                |                       |    |               |                 |                |
| <i>Myotis sodalis</i>                                                                                                                                                                                                                                                                                                                                                  |                         |    |   |    |               |                |                       |    |               |                 |                |
| <i>Eptesicus fuscus</i>                                                                                                                                                                                                                                                                                                                                                |                         |    |   |    |               |                |                       |    |               |                 |                |
| <i>Pipistrellus subflavus</i>                                                                                                                                                                                                                                                                                                                                          |                         |    |   |    |               |                |                       |    |               |                 |                |
| <i>Lasiurus borealis</i>                                                                                                                                                                                                                                                                                                                                               |                         |    |   |    |               |                |                       |    |               |                 |                |
| <i>Lasiurus cinereus</i>                                                                                                                                                                                                                                                                                                                                               |                         |    |   |    |               |                |                       |    |               |                 |                |
| <i>Lasionycteris noctivagans</i>                                                                                                                                                                                                                                                                                                                                       |                         |    |   |    |               |                |                       |    |               |                 |                |
| Other – specify:                                                                                                                                                                                                                                                                                                                                                       |                         |    |   |    |               |                |                       |    |               |                 |                |
| Other – specify:                                                                                                                                                                                                                                                                                                                                                       |                         |    |   |    |               |                |                       |    |               |                 |                |
| Reproductive Status: NR= nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal/epididymis swollen.<br><b>*Complete Measurement and Capture Data Form for all:</b><br>(1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures,<br>(4) radio-tagged bats and (5) bat species not usually found in PA. |                         |    |   |    |               |                |                       |    |               |                 | Grand Total    |

**19. REMARKS:**

**Bat Measurement and Capture Data Form**

|                                                                                                                               |                                    |            |                               |                                              |            |               |                         |                      |                                                                                            |                                        |                       |                             |                               |                                                       |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------|-------------------------------|----------------------------------------------|------------|---------------|-------------------------|----------------------|--------------------------------------------------------------------------------------------|----------------------------------------|-----------------------|-----------------------------|-------------------------------|-------------------------------------------------------|
| Site Name<br>Or Number:                                                                                                       |                                    |            |                               | Date:                                        |            |               | Set No.<br>Captured In: |                      |                                                                                            | Name of Person<br>Identifying the Bat: |                       |                             |                               | *Capture<br>Number:                                   |
| Height in meters captured<br>above ground surface: _____ m                                                                    |                                    |            |                               | Body Measurements<br>(grams and millimeters) |            |               |                         |                      | Band Information (if banded)<br>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) |                                        |                       |                             |                               | Transmitter<br>Attached? If so:<br>Frequency<br>(mHz) |
| <u>Species</u>                                                                                                                | <u>Sex</u>                         | <u>Age</u> | <u>Repro.<br/>Condition</u>   | <u>Wt.<br/>(g)</u>                           | <u>Ear</u> | <u>Tragus</u> | <u>Fore-<br/>arm</u>    | <u>Hind<br/>Foot</u> | <u>Recapture<br/>Yes/No</u>                                                                | <u>Band<br/>Material</u>               | <u>Band<br/>Color</u> | <u>Band<br/>Inscription</u> | <u>Band on<br/>Left/Right</u> |                                                       |
| <u>Time of<br/>Capture</u>                                                                                                    | <u>Photo Taken</u><br><br>Yes / No |            | <u>Photo ID:<br/>Remarks:</u> |                                              |            |               |                         |                      |                                                                                            |                                        |                       |                             |                               |                                                       |
| <i>Repro. Condition: NR= nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal/epididymis swollen</i> |                                    |            |                               |                                              |            |               |                         |                      |                                                                                            |                                        |                       |                             |                               |                                                       |
| Site Name<br>Or Number:                                                                                                       |                                    |            |                               | Date:                                        |            |               | Set No.<br>Captured In: |                      |                                                                                            | Name of Person<br>Identifying the Bat: |                       |                             |                               | *Capture<br>Number:                                   |
| Height in meters captured<br>above ground surface: _____ m                                                                    |                                    |            |                               | Body Measurements<br>(grams and millimeters) |            |               |                         |                      | Band Information (if banded)<br>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) |                                        |                       |                             |                               | Transmitter<br>Attached? If so:<br>Frequency<br>(mHz) |
| <u>Species</u>                                                                                                                | <u>Sex</u>                         | <u>Age</u> | <u>Repro.<br/>Condition</u>   | <u>Wt.<br/>(g)</u>                           | <u>Ear</u> | <u>Tragus</u> | <u>Fore-<br/>arm</u>    | <u>Hind<br/>Foot</u> | <u>Recapture<br/>Yes/No</u>                                                                | <u>Band<br/>Material</u>               | <u>Band<br/>Color</u> | <u>Band<br/>Inscription</u> | <u>Band on<br/>Left/Right</u> |                                                       |
| <u>Time of<br/>Capture</u>                                                                                                    | <u>Photo Taken</u><br><br>Yes / No |            | <u>Photo ID:<br/>Remarks:</u> |                                              |            |               |                         |                      |                                                                                            |                                        |                       |                             |                               |                                                       |
| <i>Repro. Condition: NR= nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal/epididymis swollen</i> |                                    |            |                               |                                              |            |               |                         |                      |                                                                                            |                                        |                       |                             |                               |                                                       |
| Site Name<br>Or Number:                                                                                                       |                                    |            |                               | Date:                                        |            |               | Set No.<br>Captured In: |                      |                                                                                            | Name of Person<br>Identifying the Bat: |                       |                             |                               | *Capture<br>Number:                                   |
| Height in meters captured<br>above ground surface: _____ m                                                                    |                                    |            |                               | Body Measurements<br>(grams and millimeters) |            |               |                         |                      | Band Information (if banded)<br>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) |                                        |                       |                             |                               | Transmitter<br>Attached? If so:<br>Frequency<br>(mHz) |
| <u>Species</u>                                                                                                                | <u>Sex</u>                         | <u>Age</u> | <u>Repro.<br/>Condition</u>   | <u>Wt.<br/>(g)</u>                           | <u>Ear</u> | <u>Tragus</u> | <u>Fore-<br/>arm</u>    | <u>Hind<br/>Foot</u> | <u>Recapture<br/>Yes/No</u>                                                                | <u>Band<br/>Material</u>               | <u>Band<br/>Color</u> | <u>Band<br/>Inscription</u> | <u>Band on<br/>Left/Right</u> |                                                       |
| <u>Time of<br/>Capture</u>                                                                                                    | <u>Photo Taken</u><br><br>Yes / No |            | <u>Photo ID:<br/>Remarks:</u> |                                              |            |               |                         |                      |                                                                                            |                                        |                       |                             |                               |                                                       |
| <i>Repro. Condition: NR= nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal/epididymis swollen</i> |                                    |            |                               |                                              |            |               |                         |                      |                                                                                            |                                        |                       |                             |                               |                                                       |

\*Capture Number = number in sequence by site.

**PA GAME COMMISSION  
Wildlife Diversity Section  
Bat Tree - Day Roost - Data Sheet**

**1-LANDOWNER** (name and address required, include phone and email if available)

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

**2-BAT INFO**

Dates on Roost: \_\_\_\_\_ Day Roost Number: \_\_\_\_\_

*Include all dates bat was on roost*

*Day Roost Number = Project Name + Last 3 digits of transmitter # + sequentially numbered roost, ex: ABC-123-01)*

Surveyors: \_\_\_\_\_ Roost Type: Tree - Building - Other \_\_\_\_\_

Bat Species: \_\_\_\_\_ Band No.: \_\_\_\_\_ Transmitter Frequency: \_\_\_\_\_

Ht.(m) bat is roosting off ground: \_\_\_\_\_ Was Bat Emergence Form Completed? YES - NO

Comments: *(Where is bat roosting? Under bark? If building-describe)*

**3-LOCATION**

County: \_\_\_\_\_ Township: \_\_\_\_\_

Latitude: \_\_\_\_\_ (DD) Elevation (ft.): \_\_\_\_\_

Longitude: \_\_\_\_\_ (DD) %Slope: \_\_\_\_\_ Slope Aspect (0-360): \_\_\_\_\_

Datum: WGS 84 (preferred) NAD 83 NAD 27 Other: \_\_\_\_\_

**4-TREE INFORMATION**

Species: \_\_\_\_\_ DBH (cm): \_\_\_\_\_ Is Tree Alive? YES - NO (CIRCLE)

Height: \_\_\_\_\_ m 1st Branch Ht. \_\_\_\_\_ m

Estimate % Canopy Cover Around Tree: \_\_\_\_\_

Is suitable roost area on tree exposed to direct sunlight? YES - NO (circle one)

If so - estimate # of hours of exposure to direct sun: \_\_\_\_\_

Azimuth of Exposure (which way does exposed part of tree face): \_\_\_\_\_ (0-360)

Exfoliating Bark? YES - NO Estimate % of tree with Exfoliating Bark: \_\_\_\_\_

Cavities? YES - NO If yes - Describe: \_\_\_\_\_

**5-SURROUNDING HABITAT**

*(Fill-out Canopy Tree Measurement form for trees within 15m of Roost Tree)*

Distance (m) to Water: \_\_\_\_\_ Water Type: \_\_\_\_\_

Understory Species: \_\_\_\_\_

Overstory Species: \_\_\_\_\_

On reverse side of form Comment on Overstory Species and Habitat Composition.

**PA GAME COMMISSION, Wildlife Diversity Section  
Bat Emergence Form**

\* It is important to keep lights and noise disturbance to a minimum during the emergence period. \*

**DAY ROOST NO.:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**ROOST TYPE:** Building Tree Other: \_\_\_\_\_

**Surveyors:** \_\_\_\_\_  
\_\_\_\_\_

**Transmitted Bat Band No.:** \_\_\_\_\_ **Transmitter Frequency:** \_\_\_\_\_

**Weather** **Temperature:** \_\_\_\_\_ \*F

**Sky Condition Code:** \_\_\_\_\_ **Wind Scale Code:** \_\_\_\_\_

| <b>Sky Conditions</b> |                             | <b>Beaufort Wind Scale</b> |                                               |
|-----------------------|-----------------------------|----------------------------|-----------------------------------------------|
| <b>Code</b>           |                             | <b>Code</b>                | <b>MPH Indicators</b>                         |
| <b>0</b>              | Clear or a few clouds       | <b>0</b>                   | <1 Smoke rises vertically                     |
| <b>1</b>              | Partly cloudy/variable sky  | <b>1</b>                   | 1-3 mph Smoke Drift shows wind direction      |
| <b>2</b>              | Cloudy (broken) or overcast | <b>2</b>                   | 4 - 7 mph Wind felt on face/leaves rustle     |
| <b>4</b>              | Fog or smoke                | <b>3</b>                   | 8 - 12 mph Leaves&sm.twigs in constant motion |
| <b>5</b>              | Drizzle                     | <b>4</b>                   | 13 - 18 mph Raises dust & loose paper         |
| <b>7</b>              | Snow                        | <b>5</b>                   | 19 - 24 mph Small trees in leave sway         |
| <b>8</b>              | Showers                     |                            |                                               |

Night Vision Equipment Used? **YES - NO** Bat Detector Used? **YES - NO**

Telemetry Equipment Present? **YES - NO**

**Time Surveyors arrived at Roost :** \_\_\_\_\_ **(use 24 hour clock for times)**

**Time First Bat Seen Flying:** \_\_\_\_\_

**Time Transmitted Bat Emerged:** \_\_\_\_\_ **And Azimuth Last Detected:** \_\_\_\_\_

**Time Last Bat Seen Emerging:** \_\_\_\_\_ **Total Emergence Count:** \_\_\_\_\_

**Comments:** \_\_\_\_\_ *(include other emergence observations, weather, bat behavior, etc.)*