



Draft Environmental Impact Statement

Volume 2 – Appendix Y (Part B)

October 2024

U.S. 6219, Section 050
Transportation Improvement Project
Meyersdale, PA to Old Salisbury Road, MD



FHWA-PA-EIS-24-01-D

Draft Environmental Impact Statement
U.S. 6219, Section 050 Transportation Improvement Project
Meyersdale, PA to Old Salisbury Road, MD

APPENDIX Y (Part B): Biological Assessment

PORTAL SITE 1

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 20 Sept. 2012 2. Company Name: Skelly & Loy / Banton & Logiudice3. Bat Identifier: M. S. Fishman (Responsible Recorder) 4. Assistants: Peter Riggs5. Site Name and/or Number: PA S.R. 6219 Sec 020 Site #016. Site is (circle one): hibernation site summer habitat7a. If hibernation site circle one: limestone mine, coal mine, limestone cave, sandstone cave, RR tunnel,
other structure, describe - Portal

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

N/A8. County: Somerset 9. 7.5' Quad.: Meyersdale10. Was site GPS'd (required)? YES NO11. Geographic Coordinates (D-M-S): Latitude [REDACTED]Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT
District 9-0 Environmental Manager, Tom Yocum (814) 696-722413. Time (military) & Temperature: Start Time 18:46 h Stop Time 2346 h Total Minutes: 300Start Temp. 18.0 °C End Temp. 7.9* °C (must stay ≥ 10 °C for summer netting)14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) * Temp remained above 10°C until 23:00 EDT
Steady Rain; Thunderstorms; Snow; Other: _____15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Above canopy
Calm at site

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	1m ² harp trap	1	1m x 1m	placed at widest part of mine adit opening; balance of opening closed with plastic sheeting	1m ²

Total Capture Area: 1 sq. m

(Site Survey Record - Continued) Site Name/No.: PA S.R. 6219 Sec. 020 Site #01 Date: 20 Sept. 2012

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

Mine portal is in steep-sided slope on S side of Fogletown Road (slope has S aspect) and opens to level terrace. Hillside is forested with young successional, red maple/black birch/yellow birch-dominated forest.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>	1							4			5
<i>Myotis septentrionalis</i>	2			2							4
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	6			4	1			4			15
<i>Lasiurus borealis</i>											
<i>Lasiurus cinereus</i>											
<i>Lasionycteris noctivagans</i>											
Other - specify:											
Other - specify:											
Reproductive Status: NR=nonreproductive, PG= pregnant, L= lactating, PR Post reproductive PL= post lactating, SCR= scrotal/epididymis swollen. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 24 ✓

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 1845	Start Time: 1945	Start Time: 2045	Start Time: 2145	Start Time: 2245
End Time: 1945	End Time: 2045	End Time: 2145	End Time: 2245	End Time: 2345
Tallies: 0	Tallies: 22	Tallies: 22	Tallies: 13	Tallies: 0

20. REMARKS:

no files
recorded
after 2237 EDT

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 21 Sept 2012 2. Company Name: Skelly & Loy / Barton / Loguidice
 3. Bat Identifier: M.S. Fishman 4. Assistants: Peter Riggs
 (Responsible Recorder)
 5. Site Name and/or Number: PA S.R. 6219 Sec 020 Site #01

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 - Portal

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

N/A

8. County: Somerset 9. 7.5' Quad.: Myersdale

10. Was site GPS'd (required)? YES NO

11. Geographic Coordinates (D-M-S): Latitude: [REDACTED]

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT
District 9-0 Environmental Manager, Tom Yocum (814) 696-7224

13. Time (military) & Temperature: Start Time 1845 h Stop Time 2345 h Total Minutes: 300

Start Temp. 18.6 °C End Temp. 10.6 °C (must stay ≥ 10 °C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
 (suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	harp trap	1	1m x 1m	placed at widest opening of mine portal, with plastic sheeting closing the rest of it.	1 m ²

Total Capture Area: 1 m² sq. m

(Site Survey Record - Continued) Site Name/No.: PA S.R. 6219 Sec. 020 Site #01 Date: 21 Sept. 2012

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

See notes from 20 Sept. 201218. 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>	2				1	3		10		10	13
<i>Myotis septentrionalis</i>	2			1		3					3
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	8			1		9		12		12	2 escapes 23
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 39

19. **BAT DETECTORS & OTHER MONITORING DEVICES:** Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

Acoustic recorder failed; no record of bat passes/hour.

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 22 Sept. 2012 2. Company Name: Skelly & Loy / Barton & Loguidice
3. Bat Identifier: M. S. Fishman (Responsible Recorder) 4. Assistants: Peter Riggs
5. Site Name and/or Number: PA S.R. 6219 Sec. 020 site #01

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 - Portal

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

8. County: Somerset 9. 7.5' Quad: Meyersdale, PA

10. Was site GPS'd (required)? YES NO

11. Geographic Coordinates (D-M-S)

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT
District 9-0 Environmental Manager, Tom Yocum, (814) 696-7224

13. Time (military) & Temperature: Start Time 1840 h Stop Time 2340 h Total Minutes: 300

Start Temp. 15.9 °C End Temp. 8.3* °C (must stay ≥ 10 °C for summer netting)
* temp was > 10 °C until 2230 EDT.

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain)

Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m ²)
<u>1</u>	<u>Nets</u>	<u>4</u>	<u>12m x 2.6m</u>	<u>Stacked over trail</u>	<u>124.8 sq. m</u>
<u>1</u>	<u>harp trap</u>	<u>1</u>	<u>1m x 1m</u>	<u>placed at mine portal;</u> <u>plastic sheeting closed</u> <u>rest of opening.</u>	<u>1 m²</u>

Total Capture Area: 1 m² sq. m

See
20 Sept 12
data
sheet.

(Site Survey Record - Continued) Site Name/No.: PA S.R. 6219 Sec. 020 Site #01 Date: 22 Sept. 2012

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

See notes from 20 Sept. 2012 data sheets18. 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>	1			1		2		97		97	49
<i>Myotis septentrionalis</i>	1			1		2		1		1	3
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	3			3		6	2	11	1	14	18 20
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 32

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

Acoustic unit failed; no recordings of bat passes; memory corrupted!

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 23 September 2012. Company Name: Skelly & Loy / Burton & Loguidice
3. Bat Identifier: M.S. Fishman (Responsible Recorder) 4. Assistants: P.C. Riggs
5. Site Name and/or Number: PA S.R. 6219, Sec. 020, Site 01
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 - Portal
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Meyersdale
10. Was site GPS'd (required)? YES NO See data from 20 September 2012
11. Geographic Coordinates (D-M-S): L [REDACTED]
Datum (circle one): NAD2011 (preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact Penn DOT
District 9-0 Environmental Manager, Tom Yocum. (814) 696-7224
13. Time (military) & Temperature: Start Time 1840 h Stop Time 1910 h Total Minutes: 30
Start Temp. 12.4 °C End Temp. 11.2 °C (must stay ≥10 °C for summer netting)
14. General Weather (circle one): Clear Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site: Survey aborted; Temps > 10°C won't last 2 hrs.

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	harp trap	1	1m x 1m	placed at mine portal, plastic sheeting closed rest of opening	1 m ²

Total Capture Area: 1 m² sq. m

(Site Survey Record - Continued) Site Name/No.: PA. S.R. 6219, Sec 020, Site 01 Date: 23 Sept. 2012

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

See notes from 9/20/12 data sheet

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 24 SEPTEMBER 2012. Company Name: Skelly & Loy/Barton & Loguidice
3. Bat Identifier: M. S. Frshman (Responsible Recorder) 4. Assistants: P. C. Riggs
5. Site Name and/or Number: PA. S. R. 6219, Sec 020, Site 01
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 - Portal
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Meyersdale
10. Was site GPS'd (required)? YES NO See 20 September 2012 data
11. Geographic Coordinates (D-M-S): L [REDACTED]
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact Penn DOT
District 9-D Environmental Manager, Tom Yocum (814) 696-7224
13. Time (military) & Temperature: Start Time 1840 h Stop Time 1920 h Total Minutes: 40
Start Temp. 12.7 °C End Temp. 10.9 °C (must stay ≥ 10 °C for summer netting)
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site: Survey aborted; Temps > 10°C won't last 2 hrs.

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	harp trap	1	1m x 1m	across mine portal	1 sq. m

Total Capture Area: 1 sq. m

(Site Survey Record - Continued) Site Name/No.: PA S.R. 6219, Sec 020, Site 01 Date: 24 Sept. 2012

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

See notes from 9/20/12 data sheet.

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.	<u>Total</u> No. Fem.	Number of Adult Males		No. Juv. Male	<u>Total</u> 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>Perimyotis 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. *Complete <u>Measurement and Capture Data Form</u> for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 25 September 2012 2. Company Name: Skelly & Loy / Barton & Loquidice
3. Bat Identifier: Michael Fishman 4. Assistants: Peter Riggs
(Responsible Recorder)
5. Site Name and/or Number: PA S.R. 6219, Sec. 020, Site #01
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 - Portal
7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Meyersdale, PA.
10. Was site GPS'd (required)? YES - NO See 20 September 2012 data
11. Geographic Coordinates (D-M-S): Latitude [REDACTED]
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT
District 9-0 Environmental Manager, Tom Yocum (814) 696-7224
13. Time (military) & Temperature: Start Time 1840 h Stop Time 2340 h Total Minutes: 300
Start Temp. 19.7 °C End Temp. 10.8 °C (must stay ≥ 10 °C for summer netting)
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: overcast.
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	harp trap	1	1m x 1m	across mine portal opening	1 sqm

Total Capture Area: 1 sq. m

(Site Survey Record -- Continued) Site Name/No.: PA S.R. 6219 Sec. 020, Site #1 Date: 25 Sept 12

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

See Sept. 20, 2012 data18. 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>	2			1	1	4		4		4	8
<i>Myotis septentrionalis</i>	1					1	5				6
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	2			5		7	12	22		14	23 (2 escapes)
<i>Lasurus borealis</i>											
<i>Lasurus 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 37

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: <u>1840</u>	Start Time: <u>1940</u>	Start Time: <u>2040</u>	Start Time: <u>2140</u>	Start Time: <u>2240</u>
End Time: <u>1940</u>	End Time: <u>2040</u>	End Time: <u>2140</u>	End Time: <u>2240</u>	End Time: <u>2340</u>
Tallies: <u>0</u>	Tallies: <u>32</u>	Tallies: <u>25</u>	Tallies: <u>18</u>	Tallies: <u>13</u>

20. REMARKS:

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 9/26/12 2. Company Name: Wildlife Specialists
3. Bat Identifier: Jim Hart (Responsible Recorder) 4. Assistants: Drew Wankle, Tracey Grund
5. Site Name and/or Number: SR-6219-020 Site 1

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 - Coal Mine Portal

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

8. County: Somerset 9. 7.5' Quad.: Myersdale

10. Was site GPS'd (required)? YES NO

11. Geographic Coordinates (D-M-S): Latitude: [REDACTED]

Datum (circle one): NAD27 (Preferred) NAD83 WGS84

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT
District 9-0 Environmental Manager, Tom Yocum (814) 696-7224

13. Time (military) & Temperature: Start Time 1840 h Stop Time 2340 h Total Minutes: 300
ent. temp. 6°C (46°F) Start Temp. 15.5 °C End Temp. 10.5 °C (must stay ≥ 10°C for summer netting)
Wind - out - 5.5 mph

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp Trap	1	1.5 x 1.5 m	Set in right side of entrance. <u>Shooting closed the rest of entrance</u>	1 m ²

Total Capture Area: _____ sq. m

(Site Survey Record - Continued)

Site Name/No.:

SR 16219-030 Site 1

Date: 9/26/12

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

Regenerating, scrubbed strip near w/ birch, red oak, aspen is mostly 3-8" dbh class. Solidago spp., Parnassia + sensitive Fern in understory. Typical for old mine landscape

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>	1		+			1					1
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	+		11	6		6	11			9	15
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 2588 16 bats

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 1840	Start Time: 1941	Start Time: 2041	Start Time: 2141	Start Time: 2241
End Time: 1940	End Time: 2040	End Time: 2140	End Time: 2240	End Time: 2300
Tallies: 17	Tallies: 16	Tallies: 144	Tallies: 61	Tallies: 120

20. REMARKS:

Mostly BSW caught on detector.
 Skunks
 Traps (mostly saplings)
 Concrete wall @ exit
 Slope

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 9/27/12 2. Company Name: Wildlife Specialists
3. Bat Identifier: Jim Hart (Responsible Recorder) 4. Assistants: Drew Wankel, Tracey Brund
5. Site Name and/or Number: SR-6219-020 Site 1

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 - Portal

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

N/A

8. County: Somerset 9. 7.5' Quad.: Marysdale

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S)

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT District 9-0 Environmental Manager, Tom Yocum (814) (610) 7224

13. Time (military) & Temperature: Start Time 1840 h Stop Time 2040 h Total Minutes: 120
Good Air Flow Start Temp. 17.5 °C End Temp. 14.5 °C (must stay ≥ 10 °C for summer netting)
entrance Temp - 7 °C

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: periods of rain prior to deploying

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Closed due to hard rain.

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Hand trap	1	1.5 x 1.5 m	Set in right side of entrance w/ plastic closing rest of entrance	1 m ²

Total Capture Area: 1 sq. m

1840 - 1924
14.5 °C, light
rain (dominant),
100% CLFAM

1924 - 2000
14.5 °C, light-
mod rain -
1949 - 1955,
CALM

2000 - 2032
15 °C, 100% CL, calm
Hard rain - 2032
closed @ 2040

See 9/26/12 for diagram under comments

(Site Survey Record - Continued)

Site Name/No.: SR 6219-D20-Site 1Date: 9/27/12

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

See 9/26/1218. 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>				1		1					1
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>				1		1	1	1		2	3
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.										Grand Total <u>2580</u> <u>4605</u>	

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: <u>1840</u>	Start Time: <u>1941</u>	Start Time: <u>2041</u>	Start Time: <u>2141</u>	Start Time: <u>2241</u>
End Time: <u>1940</u>	End Time: <u>2040</u>	End Time: <u>2140</u>	End Time: <u>2240</u>	End Time: <u>2340</u>
Tallies: <u>0</u>	Tallies: <u>70</u>	Tallies: <u>—</u>	Tallies: <u>—</u>	Tallies: <u>—</u>

20. REMARKS:

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 9/23/12 2. Company Name: Wildlife Specialists
3. Bat Identifier: Jim Hart (Responsible Recorder) 4. Assistants: Drew Wankke
5. Site Name and/or Number: SR-6219-020 Site 1

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 - Portal

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

N/A

8. County: Somerset 9. 7.5' Quad.: Meyersdale

10. Was site GPS'd (required)? YES NO

11. Geographic Coordinates (D-M-S):

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT District 9-0 Environmental Manager, Tom Yacum (814) 696-

13. Time (military) & Temperature: Start Time 1835 h Stop Time 2020 h Total Minutes: 105 7224
Ent. Temp - 48°F Start Temp. 12.0 °C End Temp. 9.0 °C (must stay ≥ 10 °C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other:

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Handy trap	1	1.5 x 1.5 m	Set in thicket cap. on right side	1 m ²

Total Capture Area: _____ sq. m

See 9/26/12 for diagram

(Site Survey Record - Continued)

Site Name/No.:

SR629-020-site1

Date:

9/28/12

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

see 9/26/12 for description

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	VS			SCR	NR			
<i>Eptesicus fuscus</i>	2		1			3	2	1	1	4	7
<i>Myotis lucifugus</i>							11			2	2
<i>Myotis septentrionalis</i>											
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>				11		3	111			4	7
<i>Lasiurus borealis</i>											
<i>Lasiurus cinereus</i>											
<i>Lasiurus noctivagans</i>											
Other - specify:											
Other - specify:											

Reproductive Status: NR= nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal/epididymis swollen.

***Complete Measurement and Capture Data Form for all:**

(1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.

Grand Total: 2988 / 9 bats

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 1835	Start Time: 1936	Start Time: 2036	Start Time: 2136	Start Time: 2236
End Time: 1935	End Time: 2035	End Time: 2135	End Time: 2235	End Time: 2335
Tallies: 0	Tallies: 26	Tallies: * 46	Tallies: —	Tallies: —

20. REMARKS:

closed @ 2020 but detector operating during hour down

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 9/29/12 2. Company Name: Wildlife Specialists
3. Bat Identifier: Jim Hart (Responsible Recorder) 4. Assistants: Dawn Wankle
5. Site Name and/or Number: SB-6219-020 Site 1

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: Somerset 9. 7.5' Quad.: Myersdale

10. Was site GPS'd (required)? YES NO

11. Geographic Coordinates (D-M-S) _____

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT District 9-0 Environmental Manager, Tom Youcum (814) 696-7224

13. Time (military) & Temperature: Start Time 1835 h Stop Time 1900 h Total Minutes: 25
Ent. temp. - 9°C Start Temp. 10.5 °C End Temp. 8.5 °C (must stay ≥ 10°C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Heavy trap	1	1.5 x 1.5 m	Set in mine ent. on right side.	1 m ²

Total Capture Area: 1 sq. m

See 9/26/12 for diagram

1835 - 1900
10-10.5°C,
50% EC, calm
@ 1900 traps
dropped to
8.5°C - closed
25-50% CC,
CALM

Closed early due to low temps.

(Site Survey Record - Continued)

Site Name/No.: SR-6219-020
51/F 1Date: 9/29/12

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

See 9/26/12 for description.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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 0

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: <u>1835</u>	Start Time: <u>1936</u>	Start Time: <u>2036</u>	Start Time: <u>2136</u>	Start Time: <u>2236</u>
End Time: <u>1935</u>	End Time: <u>2035</u>	End Time: <u>2135</u>	End Time: <u>2235</u>	End Time: <u>2335</u>
Tallies: <u>0</u>	Tallies: <u>—</u>	Tallies: <u>—</u>	Tallies: <u>—</u>	Tallies: <u>—</u>

20. REMARKS:

See 9/26/12 for diagram.

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10/1/12 2. Company Name: Wildlife Specialists
3. Bat Identifier: Jim Hart (Responsible Recorder) 4. Assistants: Drew Wanka
5. Site Name and/or Number: SR 6219-020 Site 1

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 - Portal

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

N/A

8. County: Somerset 9. 7.5' Quad.: Meyersdale

10. Was site GPS'd (required)? YES NO

11. Geographic Coordinates (D-M-S): Latitude: 39°-52'-21.7"N, Longitude: 79°-02'-55.7"W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) contact PennDOT
District 9-0 Environmental Manager, Tom Upcum (814) 6916-

13. Time (military) & Temperature: Start Time 1830 h Stop Time 2330 h Total Minutes: 300 7224

Start Temp. 11.5 °C End Temp. 11.5 °C (must stay ≥ 10°C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: Some periods of very light rain.

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp trap	1	1.5 x 1.5 m	Set in right side of mine entrance	1 m ²

Total Capture Area: 1 sq. m

(Site Survey Record - Continued)

Site Name/No.: SR-6219-030Date: 9/29/12

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

See 9/26/12 for description.10/1/12
9/31/1218. 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>			11			2	1111			4	6
<i>Myotis septentrionalis</i>	1		1			2	1111			4	6
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>			111			8	111111			18	26
<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.

***Complete Measurement and Capture Data Form for all:**

(1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.

Grand Total: 3588
38 bats

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: <u>1830</u>	Start Time: <u>1931</u>	Start Time: <u>2031</u>	Start Time: <u>2131</u>	Start Time: <u>2231</u>
End Time: <u>1930</u>	End Time: <u>2030</u>	End Time: <u>2130</u>	End Time: <u>2230</u>	End Time: <u>2330</u>
Tallies: <u>73</u>	Tallies: <u>494</u>	Tallies: <u>879</u>	Tallies: <u>408</u>	Tallies: <u>644</u>

20. REMARKS:

See 9/26/12 for diagram.

(Site Survey Record - Continued)

Site Name/No.: SR6219-020-1Date: 10/2/12

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

See 9/26/1218. 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>				1		1		1		1	2
<i>Myotis septentrionalis</i>							1111	4		4	4
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>				1111	7	7	11111111			28	35
<i>Lasiurus borealis</i>							281				
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 3 spp 41 total

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 1830	Start Time: 1931	Start Time: 2031	Start Time: 2131	Start Time: 2231
End Time: 1930	End Time: 2030	End Time: 2130	End Time: 2230	End Time: 2330
Tallies: 11	Tallies: 568	Tallies: 936	Tallies: 360	Tallies: 238

20. REMARKS:

See 9/26/12

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 03 October 2012 Company Name: Skelly & Loy/Barton & Loguidice

3. Bat Identifier: M.S. Fishman 4. Assistants: T.J. Phillips
(Responsible Recorder)

5. Site Name and/or Number: PA SR 6219, Sec 020, site 01

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 - Portal

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

N/A

8. County: Somerset 9. 7.5' Quad.: Meyersdale

10. Was site GPS'd (required)? YES - NO See data sheet fr. 20 Sept. 2012

11. Geographic Coordinates (D-M-S):

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT
District 9-0 Environmental Manager, Tom Yocum (814) 696-7224

13. Time (military) & Temperature: Start Time 1835 h Stop Time 2335 h Total Minutes: 300

Start Temp 20.8 °C End Temp 7.8 °C (must stay ≥ 10 °C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
<u>1</u>	<u>Nets</u>	<u>4</u>	<u>12m x 2.6m</u>	<u>Stacked over trail</u>	<u>124.8 sq. m</u>
<u>1</u>	<u>harp trap</u>	<u>1</u>	<u>1m x 1m</u>	<u>Placed across widest opening in mine portal</u>	<u>1 sq m</u>

Total Capture Area: 1 sq. m

(Site Survey Record - Continued) Site Name/No.: PA SR 6219, Sec. 020, Site 01 Date: 03 October 2012

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

*See data sheet from 20 Sept. 2012*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>							/// 3			3	3
<i>Myotis septentrionalis</i>							//// 4			4	4
<i>Myotis leibii</i>	1	1				1					1
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>				1	1	1	1			1	2
<i>Perimyotis subflavus</i>	/// 3			/// 5		8	/// 11	/// 16		16	24
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 34 ✓

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 1835	Start Time: 1935	Start Time: 2035	Start Time: 2135	Start Time: 2235
End Time: 1935	End Time: 2035	End Time: 2135	End Time: 2235	End Time: 2335
Tallies: 3	Tallies: 20	Tallies: 22	Tallies: 17	Tallies: 24

20. REMARKS:

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 04 October 2012 2. Company Name: Skelly + Log. / Barton + Loguidice
3. Bat Identifier: M.S. Fishman (Responsible Recorder) 4. Assistants: T.J. Phillips
5. Site Name and/or Number: PASR 6219, Sec. 020, Site 01
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 - Portal
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Myersdale
10. Was site GPS'd (required)? YES - NO See data from 20 September 2012 data sheet.
11. Geographic Coordinates (D-M-S): [REDACTED]
Datum (circle one): NAD
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT District 9-10 Environmental Manager Tom Yocum (814) 696-7224
13. Time (military) & Temperature: Start Time 1835 h Stop Time 2335 h Total Minutes: 300
Start Temp. 17.2 °C End Temp. 7.8 °C (must stay ≥10 °C for summer netting)
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: 7.2
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site: * Permitted by USFWS to go as low as 7.2°C (45°F).

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	harp trap	1	1 x 1	in mine portal opening	1 sq m

Total Capture Area: 1 sq. m

(Site Survey Record - Continued) Site Name/No.: PA S.R. 6219, Sec 020, Site 01 Date: 04 October 2012

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

See data from 20 Sept.

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>				11 2		2	111 1111 1210	1111 4		1614	1816
<i>Myotis septentrionalis</i>							111 3			3	3
<i>Myotis leibii</i>			1 1			1					1
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>							1 1			1	1
<i>Perimyotis subflavus</i>	111 34			1111 167		111 11	55	111 3		58	69
<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.

***Complete Measurement and Capture Data Form for all:**

(1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.

Grand Total

90 ✓

19. BAT DETECTORS & OTHER MONITORING DEVICES: *Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.*

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 1835	Start Time: 1935	Start Time: 2035	Start Time: 2135	Start Time: 2235
End Time: 1935	End Time: 2035	End Time: 2135	End Time: 2235	End Time: 2335
Tallies: 0	Tallies: 27	Tallies: 25	Tallies: 17	Tallies: 7

20. REMARKS:

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 05 Oct. 2012 2. Company Name: Skelly & Loy / Barton & Loguidice

3. Bat Identifier: M.S. Fishman (Responsible Recorder) 4. Assistants: T.J. Phillips

5. Site Name and/or Number: PA S.R. 0219, Sec. 020, Site #01

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 - Portal

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

See Sept. 20, 2012 data

8. County: Somerset 9. 7.5' Quad.: Meyersdale, PA

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S):

Datum (circle one): NAD

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT
District 9-0 Environmental Manager - Tom Yocum (814) 696-7224

13. Time (military) & Temperature: Start Time 1820 h Stop Time 2320 h Total Minutes: 300

Start Temp. 19.5 °C End Temp. 8.2 °C (must stay $\geq 10^{\circ}\text{C}$ for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
<u>1</u>	<u>Nets</u>	<u>4</u>	<u>12m x 2.6m</u>	<u>Stacked over trail</u>	<u>124.8 sq. m</u>
<u>1</u>	<u>harp trap</u>	<u>1</u>	<u>1m x 1m</u>	<u>across mine portal</u>	<u>1 sq. m</u>

Total Capture Area: 1 sq. m

(Site Survey Record - Continued) Site Name/No.: PA S.R. 6219 Sec. 020, SH-07 Date: 05 October 2012

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

*see 20 Sept. 12 notes*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>							87	1		106	106
<i>Myotis septentrionalis</i>							1 recapture				
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	2			84		6	35	1		1 recapture 37	43
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 52 51

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

Bat detector malfunctioned; no recordings.

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 06 October 2012 Company Name: Shelly & Loy / Barton & Loquidice
3. Bat Identifier: M.S. Fishman 4. Assistants: T.J. Phillips
(Responsible Recorder)
5. Site Name and/or Number: PA S.R. 6219, Sec. 020, Site #01
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):

See 20 September 2012 data

8. County: Somerset 9. 7.5' Quad.: Meyersdale, PA

10. Was site GPS'd (required)? (YES) - NO

11. Geographic Coordinates (D-M-S)

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact Penn DOT
District 9-0 Environmental Manager Tom Yocum (814) 696-7224

13. Time (military) & Temperature: Start Time 1820 h Stop Time 1905 h Total Minutes: 45

Start Temp. 9.8 °C End Temp. 6.6 °C (must stay ≥ 10 °C for summer netting)

14. General Weather (circle one): Clear Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
<u>1</u>	<u>Nets</u>	<u>4</u>	<u>12m x 2.6m</u>	<u>Stacked over trail</u>	<u>124.8 sq. m</u>
<u>1</u>	<u>Larp trap</u>	<u>1</u>	<u>1m x 1m</u>	<u>across mine portal opening</u>	<u>1 sq. m</u>

Total Capture Area: 1 sq. m

(Site Survey Record - Continued) Site Name/No.: PA S.R. 6219 Sec. 020, 8thth 01 Date: 06 Oct. 12

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

*See 20 September 2012 for data*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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 07 October 2012 Company Name: Skelly + Loy / Barton & Loguidice
3. Bat Identifier: M.S. Fishman (Responsible Recorder) 4. Assistants: J.J. Phillips
5. Site Name and/or Number: PA, S.R. 6219, Sec 020, Site #01
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 - Portal
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
See 20 September 2012 for site data
8. County: Somerset 9. 7.5' Quad.: Meyersdale, PA
10. Was site GPS'd (required)? (YES)
11. Geographic Coordinates (D-M-S): Latitude [REDACTED]
Datum (circle one): NAD27 (Pre [REDACTED])
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT
District 9-0 Environmental Manager Tom Youm (814) 696-7224
13. Time (military) & Temperature: Start Time _____ h Stop Time _____ h Total Minutes: _____
Start Temp. _____ °C End Temp. _____ °C (must stay ≥ 10 °C for summer netting)
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
- * 16. Capture Setup at Site: Temperature < 7.2 °C (45 °F) - didn't deploy trap tonight.

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m

Total Capture Area: _____ sq. m

(Site Survey Record – Continued)

Site Name/No.: PA.S.R. 6219, Sec 020, Date: 07 October, 2012

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

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 08 October 2012 2. Company Name: Skelly & Loy / Barton & Loquidice
3. Bat Identifier: M.S. Fishman (Responsible Recorder) 4. Assistants: J.G. Phillips
5. Site Name and/or Number: PA S.R. 6219, Sec. 020, Site #01

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 - Portal

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

N/A

8. County: Somerset 9. 7.5' Quad.: Meyersdale, PA

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S):

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT
District 9-0 Environmental Manager - Tom Yocum (814) 696-7224

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

Start Temp. _____ °C End Temp. _____ °C (must stay $\geq 10^{\circ}\text{C}$ for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

* 16. Capture Setup at Site: Temperatures $< 7.2^{\circ}\text{C}/45^{\circ}\text{F}$ - didn't deploy trap tonight

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m

Total Capture Area: _____ sq. m

(Site Survey Record - Continued) Site Name/No.: PA S.R. 6219, Sec. 020, Site #01 Date: 08 October 2012

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

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 09 October 2012. Company Name: Skelly, Loy / Barton / Loguidice
3. Bat Identifier: M.S. Johnson (Responsible Recorder) 4. Assistants: J.G. Phillips
5. Site Name and/or Number: PA S.R. 6219, Sec. 020, Site #01

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 - Portal

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

See 20 September 2012 data

8. County: Somerset 9. 7.5' Quad: Meyersdale, PA.

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S):

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT

District 9-0 Environmental Manager Tom Yocum. (814) 696-7224

13. Time (military) & Temperature: Start Time 1815 h Stop Time 2315 h Total Minutes: 300

Start Temp. 13.5 °C End Temp. 1.1 * °C (must stay ≥10°C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain; and its
(suspend netting during periods of rain) *instructed to stay open regardless of temp tonight.
Steady Rain; Thunderstorms; Snow; Other: _____ record temp every 1/2 hour.

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	1 harp trap	1	1m x 1m	across mine portal opening	1 sq. m

Total Capture Area: 1 sq. m

(Site Survey Record - Continued) Site Name/No.: PA S.R. 6219, Sec. 020, Site #01 Date: 09 Oct 2012

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

(See 20 September 2012 data)

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>				1		1	1			1	(1 escape) 3
<i>Myotis septentrionalis</i>							2	2	1	3	3
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>							4			4	4
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 10

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

Acoustic equipment not functioning - software issue

Time (EDT)	Temp °C	Time	Temp °C
18:15	13.5°	21:15	3.5°
18:45	10.0°	21:45	2.9°
19:15	8.7°	22:15	2.2°
19:45	6.8°	22:45	1.6°
20:15	5.5°	23:15	1.1°
20:45	4.2°		

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10/13/12 2. Company Name: Skelly and Lay, Inc.
3. Bat Identifier: J. Zeyzus 4. Assistants: L. Zegacy
(Responsible Recorder)
5. Site Name and/or Number: SR6219 Section 020, Site #1

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 - Abandoned mine portcul.

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

NA

8. County: Somerset 9. 7.5' Quad.: Myersdale

10. Was site GPS'd (required)? YES NO

11. Geographic Coordinates (D-M-S):

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.)

Contact PennDOT
District 9-0 Environmental Manager, Tom (pcum/814) (610-7724)

13. Time (military) & Temperature: Start Time 1804 h Stop Time 2311 h Total Minutes 307

Start Temp. 10 °C End Temp. 5 °C (must stay ≥10 °C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other:

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Trap	1	1m x 1m	Placed in front of opening	1 m ²

Total Capture Area: 1 sq. m

1804: 10°C , breezy, partially cloudy

1834: 9.25°C , calm, partially cloudy

1904: 9°C , calm, partially cloudy

1928 = 7.5°C , calm, clear.

1945 = Purple - 7°C
blue - 7.5°C , calm, clear

2005 - Purple - 6.75°C , clear, calm. - 1955 - purple 9.6°C
Blue - 7°C Blue 6.5°C

2045 - Purple - 6°C
blue - 6.5°C

2136 - Purple - 5°C , calm, clear

2205 - Purple - 5°C , calm, clear

2234 - Purple - 5°C , calm, clear

2309 - Purple - 5°C ,
clear, calm

(Site Survey Record - Continued)

Site Name/No.:

2629-020-site#1

Date:

10/13/2012

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

Red oak, black birch, hickory, honey suckle, cecropia, black-berry, bayonet fern, mix of deciduous and fresh leaf litter; open area within a 60° slope embankment, about 90 ft bench before drop off hillside towards stream; gravel road upslope of opening; moss wetland/

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

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>	•					3	•	•		11	14
<i>Myotis septentrionalis</i>	•					1	•	•		10	11
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	•					1	•			3	4
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 29

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

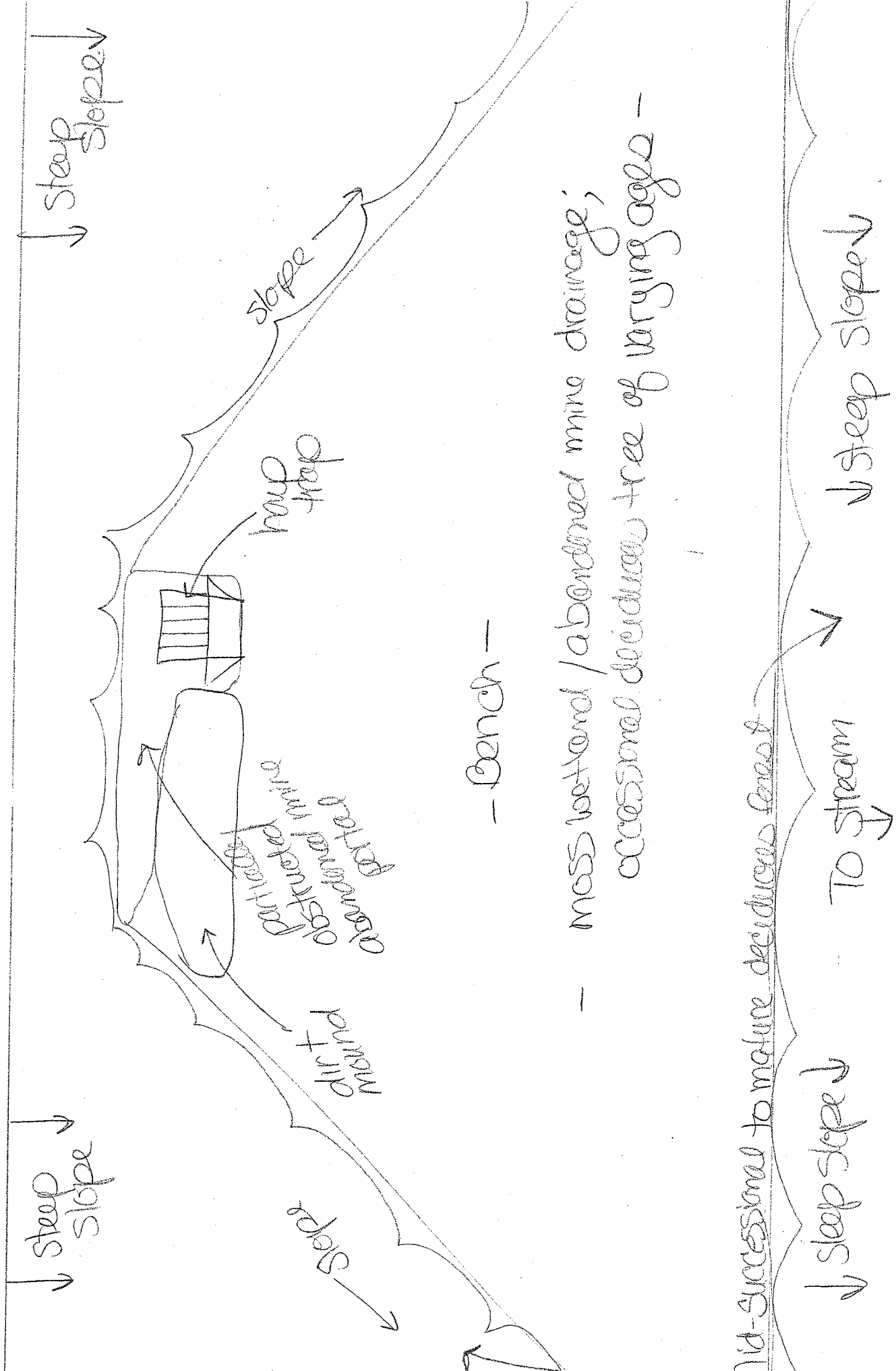
1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour	
Start Time: 18:04	Start Time: 19:04	Start Time: 20:04	Start Time: 21:04	Start Time: 22:04	23:04
End Time: 19:03	End Time: 20:03	End Time: 21:03	End Time: 22:03	End Time: 23:03	23:11
Tallies: 0	Tallies: 145	Tallies: 1,171	Tallies: 926	Tallies: 363	35

20. REMARKS:

19:15 = one bat seen flying

↓ slope ↓ - mid-successional deciduous forest - ↓ slope ↓

- Walker Road - (dirt/gravel road)



- moss bedrock / abandoned mine drainage;
occasional deciduous tree of varying ages -

mid-successional to mature deciduous forest

↓ steep slope ↓

TO Stream ↓

↓ steep slope ↓

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10/14/12 2. Company Name: Skelly and Lay, Inc.
3. Reporter: J. Zeyher 4. Assistants: L. Zugay
5. Site Name and/or Number: SK16219, Section 020, site #1
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 Abandoned Mine Portal
7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
NA
8. County: Somerset 9. 7.5' Quad.: Myersdale
10. Was site GPS'd (required)? YES NO
11. Geographic Coordinates (D-M-S) [REDACTED]
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDot
District 9-0 Environmental Manager, Tom Yocum (814) 696-7224
13. Time (military) & Temperature: Start Time 1905 h Stop Time 2305 h Total Minutes: 300
Start Temp. 18 °C End Temp. 11.25 °C
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (trees swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
L	Trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: 1 sq. m

1605 - 18°C , breezy, mostly overcast

1803 - 17°C , breezy, mostly overcast

1915 - 16.25°C , calm, overcast

1935 - 15.9°C , calm, overcast

2005 - 14.75°C , calm, overcast

2035 - 12.5°C , calm, mostly cloudy

2105 - 12.5°C , calm, mostly cloudy

2135 - 12°C , calm, mostly cloudy

2205 - 11.75°C , calm, mostly cloudy

2235 - 11°C , calm, mostly, cloudy

2304 - 11.25°C , calm, mostly, cloudy

(Site Survey Record - Continued)

Site Name/No.: SR6209-020 site #1

Date: 10/14/2012

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

abandoned mine opening within a 60° slope embankment; 90ft bench in front of opening before drop-off over hillside towards stream; gravel road upslope of opening; red oak, black birch; tartarian honeysuckle, Allegheny blackberry; hay-scented fern; mix of detritus and fresh leaf litter, moss, wetland/AMD within bench 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>	•					1	•	•		2	3
<i>Myotis septentrionalis</i>	•					1	•	•		12	13
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>	•					1	•	•		3	4
<i>Perimyotis subflavus</i>	•					3	•	•		7	10
<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.											Grand Total
*Complete Measurement and Capture Data Form for all:											30
(1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 18:05	Start Time: 19:05	Start Time: 20:05	Start Time: 21:05	Start Time: 22:05
End Time: 19:04	End Time: 20:04	End Time: 21:04	End Time: 22:04	End Time: 23:05
Tallies: 9	Tallies: 235	Tallies: 316	Tallies: 478	Tallies: 248

20. REMARKS:

Refer to 10/13/2012 Bat Netting/Trapping Site Survey Record for site sketch.

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10/15/12 2. Company Name: Wildlife Specialists
3. Bat Identifier: Jim Hart (Responsible Recorder) 4. Assistants: Drew Wank
5. Site Name and/or Number: SR 6219-020 Site 1 [Portal]
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 - Portal
7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Meyersdale
10. Was site GPS'd (required)? YES NO
11. Geographic Coordinates (D-M-S): Latitude [REDACTED]

Datum (circle one): NAD27 (U)

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT

District 9-0 Environmental Manager, Tom Yocum (814) 696-7224

13. Time (military) & Temperature: Start Time 1810 h Stop Time 2310 h Total Minutes: 300
Start Temp. 10 °C End Temp. 6 °C (must stay ≥ 10°C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
Some stronger gusts

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Trap	1	1.5 x 1.5 m	Set in right side of portal. Portal closed off w/ plastic.	1 m ²

Total Capture Area: 1 sq. m

(Site Survey Record - Continued)

Site Name/No.:

SR-6219-000 Site 1

Date:

10/15/12

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

See 9/26/12

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>							487 1 recapture			65	65
<i>Myotis septentrionalis</i>							11			2	2
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>							11			2	2
<i>Lasiurus borealis</i>											
<i>Lasiurus cinereus</i>											
<i>Lasiorycteris noctivagans</i>											
Other - specify:											
Other - specify:											
Reproductive Status: NR= nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal/epididymis swollen. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 13 bats 12 3588

III - Wet

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 1810	Start Time: 1910	Start Time: 2000	Start Time: 2110	Start Time: 2210
End Time: 1909	End Time: 2009	End Time: 2109	End Time: 2209	End Time: 2310
Tallies: 62	Tallies: 439	Tallies: 368	Tallies: 227	Tallies: 55

20. REMARKS:

See 9/26/12 for diagram.

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10/16/12 2. Company Name: Wildlife Sprinkles
3. Bat Identifier: Tia Ward (Responsible Recorder) 4. Assistants: Drew Ward
5. Site Name and/or Number: SR6219-020-Site 1 [Portal]

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: Somerset 9. 7.5' Quad.: Moyersdale

10. Was site GPS'd (required)? YES NO

11. Geographic Coordinates (D-M-S): Latitude: 39°-52'-21.7"N, Longitude: 79°-02'-55.7"W

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

1745: 46°F (80°) 12. Ownership and Access: (Who owns site or controls access? Give name and address.) _____
Clear, calm

1800: 44°F (70°) 13. Time (military) & Temperature: Start Time 1805 h Stop Time 1900 h Total Minutes: 55
Clear, calm Closed due to low temps Start Temp. 7 °C End Temp. 2.0 °C (must stay ≥ 10°C for summer netting)

1815: 43°F (65°) 14. General Weather (circle one): Clear, Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
Clear, calm (suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

1830: 42°F (55°) 15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
Clear, calm

1830: 42°F (55°) 16. Capture Setup at Site: Some light breezes.
Clear, calm

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Trap	1	1.5 x 1.5 m	Set in right side of portal entrance	

Total Capture Area: _____ sq. m

(Site Survey Record - Continued)

Site Name/No.:

SR6219-020-Site

Date:

12/16/12

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

See 9/26/12

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 1805	Start Time: 1905	Start Time: 2005	Start Time: 2105	Start Time: 2205
End Time: 1904	End Time: 2004	End Time: 2104	End Time: 2204	End Time: 2305
Tallies: 0	Tallies: —	Tallies: —	Tallies: —	Tallies: —

20. REMARKS:

See 9/26/12 for diagram

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10/17/12 2. Company Name: Wildlife Specialists
3. Bat Identifier: Jim Hart (Responsible Recorder) 4. Assistants: Drew Wank
5. Site Name and/or Number: SR0219-020 Site, [Portal]
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 - Portal
7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Meyersdale
10. Was site GPS'd (required)? YES NO
11. Geographic Coordinates (D-M-S): Latitude: 39°-52'-21.7"N, Longitude: 79°-02'-55.7"W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____

12. Ownership and Access: (Who owns site or controls access? Give name and address.) _____

13. Time (military) & Temperature: Start Time 1805 h Stop Time 2305 h Total Minutes: 300
Start Temp. 13.5 °C End Temp. 3.5 °C (must stay ≥10 °C for summer netting)

14. General Weather (circle one) Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
some light breezes.

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Trap	1	1.5 x 1.5 m	Set in right side of Portal entrance, all of portal except trap covered w/ plastic	1 m ²

Total Capture Area: _____ sq. m

(Site Survey Record - Continued)

Site Name/No.:

SR6219-020-Site

Date:

10/17/12

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

See 9/26/12

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>							///			3	3
<i>Myotis septentrionalis</i>							///			3	3
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>							///			3	3
<i>Lasiurus borealis</i>											
<i>Lasiurus cinereus</i>											
<i>Lasiorycteris noctivagans</i>											
Other - specify:											
Other - specify:											
Reproductive Status: NR= nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal/epididymis swollen. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 9 bats 3 sp.

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 1805	Start Time: 1905	Start Time: 2005	Start Time: 2105	Start Time: 2205
End Time: 1904	End Time: 2004	End Time: 2104	End Time: 2204	End Time: 2305
Tallies: 0	Tallies: 186	Tallies: 197	Tallies: 161	Tallies: 45

20. REMARKS:

See 9/26/12 for diagram.

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Oct 18, 2012 2. Company Name: CEC

3. Bat Identifier: Jack Basiger 4. Assistants: Shannon Williams
(Responsible Recorder)

5. Site Name and/or Number: SR6219 SEC020 S-1

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 - Abandoned mine portal

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

N/A

8. County: Somerset 9. 7.5' Quad.: Myersdale

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S): Latitude: 39° 52' 21.7" N, Longitude: 79° 02' 56.2" W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Tom Yocum (814) 696-7224
Penn Dot District 9-0 Environmental manager

13. Time (military) & Temperature: Start Time 1800 h Stop Time 2330 h Total Minutes: 330

Start Temp. 15.5 °C End Temp. 9.6 °C (must stay ≥ 10 °C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying)

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp trap	1	1m x 1m	Placed at widest part of opening, rest closed with plastic sheeting	1 m ²

Total Capture Area: 1 sq. m

(Site Survey Record – Continued)

Site Name/No.: SR6219 SEC020 S-1Date: Oct 18, 2012

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

See 9/24/12 data sheet

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>Perimyotis subflavus</i>	2					2	2			2	4
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total
											6

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

Time	Temp	Weather
1800	60.0	cloudy, windy
1830	59.5	cloudy, windy
1900	53.6	Rain, windy
1930	50.4	cloudy, calm
2000	50.7	Rain, windy
2030	51.8	Rain, windy
2100	51.0	cloudy, calm
2130	50.2	cloudy, calm
2200	49.9	cloudy, calm
2230	49.8	clear, calm
2300	49.4	clear, calm
2300	49.3	clear, calm

Anabat stopped working at 1930 because of rain

Gross wt: 19.3
BAC wt: 10.53

FORM P-70008-M

12/09

Section 3

COMMONWEALTH OF PENNSYLVANIA

Pennsylvania Game Commission

Page# 1 of

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA 576219 Sel 020 54.1</u>	Date: <u>20 SEPT 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>M.S. Fishman</u>	*Capture Number: <u>01</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	WNS Wing Score <u>Ø</u>
Photo Taken <u>Yes</u> / No	Wt. (g) <u>8.5</u>	Fore- arm <u>33.5</u>	Tragus <u>5.2</u>	Ear <u>10.7</u>
Time of Capture <u>21:10</u>	Wing Photo ID: <u>01</u>	DSC0051-59		
Remarks:				

Site Name Or Number: <u>PA 576219 Sel 020 54.1</u>	Date: <u>20 SEPT 12</u>	Set No. Captured In: <u>01</u>	Name of Person Identifying the Bat: <u>M.S. Fishman</u>	*Capture Number: <u>02</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	WNS Wing Score <u>Ø</u>
Photo Taken <u>Yes</u> / No	Wt. (g) <u>8.5</u>	Fore- arm <u>36.1</u>	Tragus <u>6.1</u>	Ear <u>12.7</u>
Time of Capture <u>21:10</u>	Wing Photo ID: <u>01</u>	DSC0060-69		
Remarks:				

Site Name Or Number: <u>PA 576219 Sel 020 54.1</u>	Date: <u>20 SEPT 12</u>	Set No. Captured In: <u>01</u>	Name of Person Identifying the Bat: <u>M.S. Fishman</u>	*Capture Number: <u>03</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>PESU</u>	Sex <u>F</u>	Age <u>J</u>	Repro. Condition <u>NR</u>	WNS Wing Score <u>Ø</u>
Photo Taken <u>Yes</u> / No	Wt. (g) <u>8</u>	Fore- arm <u>34.8</u>	Tragus <u>5.6</u>	Ear <u>11.9</u>
Time of Capture <u>21:50</u>	Wing Photo ID: <u>01</u>	DSC0070		
Remarks:				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 526A19 54020 site 1		Date: 20 SEPT 12	Set No.	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 04
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species MYSE	Sex F	Age A	Repro. Condition NR	Wt. (g) 8.5	Ear 15.9	Tragus 8.4
Photo Taken Yes / No	WNS Wing Score φ	Fore-arm 35.7	Hind Foot 8.3	Recapture Yes/No N	Band Material METAL	Band Color SILVER
Time of Capture 21:50	Wing Photo ID:	Remarks:		Band Inscription PAGE 55851	Band on Left/Right L	Transmitter Attached? if so: Frequency (mHz)

Site Name Or Number: PA 526A19 54020 site 1		Date: 20 SEPT 12	Set No.	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 05
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species MYSE	Sex F	Age A	Repro. Condition NR	Wt. (g) 9.5	Ear 15.4	Tragus 7.9
Photo Taken Yes / No	WNS Wing Score φ	Fore-arm 37.2	Hind Foot 8.2	Recapture Yes/No N	Band Material Metal	Band Color Silver
Time of Capture 21:50	Wing Photo ID:	Remarks:		Band Inscription PAGE 55852	Band on Left/Right L	Transmitter Attached? if so: Frequency (mHz)

Site Name Or Number: PA 526A19 54020 site 1		Date: 20 SEPT 12	Set No.	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 06
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species PESU	Sex M	Age A	Repro. Condition NR	Wt. (g) 8.5	Ear 12.5	Tragus 6
Photo Taken Yes / No	WNS Wing Score φ	Fore-arm 33.1	Hind Foot 9.3	Recapture Yes/No	Band Material	Band Color
Time of Capture 21:50	Wing Photo ID:	Remarks:		Band Inscription	Band on Left/Right	Transmitter Attached? if so: Frequency (mHz)

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 6219 SE 2020 SITE 1	Date: 20 SEPT 2020	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman				*Capture Number: 07
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz)	
Species: PESU	Sex: F, Age: A	Wt. (g): 8	Fore-arm: 34.9	Tragus: 5.9	Ear: 11.7	Recapture Yes/No: <input type="checkbox"/>	Band Material: <input type="checkbox"/>
Time of Capture: 21:50	Photo Taken: <input checked="" type="checkbox"/> Yes / No	WNS Wing Score: ϕ	Wing Photo ID:		Remarks:		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen							
Site Name Or Number: PA SR 6219 SE 2020 SITE 1	Date: 20 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman				*Capture Number: 08
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz)	
Species: MYSE	Sex: F, Age: A	Wt. (g): 9	Fore-arm: 34.5	Tragus: 7.7	Ear: 14.3	Recapture Yes/No: N	Band Material: Metal, Color: Silver, Inscription: PAGC 55853
Time of Capture: 21:50	Photo Taken: <input checked="" type="checkbox"/> Yes / No	WNS Wing Score: 1	Wing Photo ID:		Remarks:		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen							
Site Name Or Number: PA SR 6219 SE 2020 SITE 1	Date: 20 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman				*Capture Number: 09
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz)	
Species: MYSE	Sex: F, Age: A	Wt. (g): 8.5	Fore-arm: 37.2	Tragus: 8.1	Ear: 15.1	Recapture Yes/No: N	Band Material: Metal, Color: Silver, Inscription: PAGC 55854
Time of Capture: 21:50	Photo Taken: <input checked="" type="checkbox"/> Yes / No	WNS Wing Score: ϕ	Wing Photo ID:		Remarks:		

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: PA 526219 52020 5411	Date: 20 SEP 12	Set No. 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 10
Height in meters captured above ground surface:				
Species: PESU	Sex: F	Age: A	Repro. Condition: PR	WNS Wing Score: ϕ
Time of Capture: 22:45	Photo Taken: Yes / No	Remarks:		
<p>Body Measurements (grams and millimeters)</p> <p>Wt. (g): 7</p> <p>Ear: 12.9</p> <p>Tragus: 5.1</p> <p>Fore-arm: 32.4</p> <p>Hind Foot: 7.2</p> <p>Wing Photo ID:</p>				
<p>Band Information (if banded)</p> <p>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)</p> <p>Recapture Yes/No: </p> <p>Band Material: </p> <p>Band Color: </p> <p>Band Inscription: </p> <p>Band on Left/Right: </p>				
<p>Transmitter Attached? if so: (mHz)</p>				
<p>Repro-Condition: NR - nonreproductive, PG - pregnant, L - lactating, PL - post-lactating, SCR - scrotal/epididymis swollen</p>				
Site Name Or Number: PA 526219 52020 5411	Date: 20 SEP 12	Set No. 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 11
Height in meters captured above ground surface:				
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: ϕ
Time of Capture: 22:45	Photo Taken: Yes / No	Remarks:		
<p>Body Measurements (grams and millimeters)</p> <p>Wt. (g): 8.5</p> <p>Ear: 13.6</p> <p>Tragus: 7</p> <p>Fore-arm: 36.8</p> <p>Hind Foot: 9.4</p> <p>Wing Photo ID:</p>				
<p>Band Information (if banded)</p> <p>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)</p> <p>Recapture Yes/No: N</p> <p>Band Material: Metal</p> <p>Band Color: Silver</p> <p>Band Inscription: 56</p> <p>Band on Left/Right: R</p>				
<p>Transmitter Attached? if so: (mHz)</p>				
<p>Repro-Condition: NR - nonreproductive, PG - pregnant, L - lactating, PL - post-lactating, SCR - scrotal/epididymis swollen</p>				
Site Name Or Number: PA 526219 52020 5411	Date: 20 SEP 12	Set No. 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 12
Height in meters captured above ground surface:				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: ϕ
Time of Capture: 22:45	Photo Taken: Yes / No	Remarks:		
<p>Body Measurements (grams and millimeters)</p> <p>Wt. (g): 7.5</p> <p>Ear: 12.7</p> <p>Tragus: 5.6</p> <p>Fore-arm: 35.3</p> <p>Hind Foot: 7.6</p> <p>Wing Photo ID:</p>				
<p>Band Information (if banded)</p> <p>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)</p> <p>Recapture Yes/No: </p> <p>Band Material: </p> <p>Band Color: </p> <p>Band Inscription: </p> <p>Band on Left/Right: </p>				
<p>Transmitter Attached? if so: (mHz)</p>				
<p>Repro-Condition: NR - nonreproductive, PG - pregnant, L - lactating, PL - post-lactating, SCR - scrotal/epididymis swollen</p>				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 576219 52020 541	Date: 20 SEPT 2012	Set No. Captured In: 41	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 13
Height in meters captured above ground surface:				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: 8.5
Photo Taken: Yes / No	Wt. (g): 8.5	Ear: 10.9	Tragus: 5.6	Fore-arm: 34.7
Time of Capture: 22:45	WNS Wing Score: 8.5	Wing Photo ID:	Remarks:	
Body Measurements (grams and millimeters) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <input type="checkbox"/> / <input type="checkbox"/> Band Material: <input type="checkbox"/> Band Color: <input type="checkbox"/> Band Inscription: <input type="checkbox"/> Band on Left/Right: <input type="checkbox"/>				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <input type="checkbox"/> / <input type="checkbox"/> Band Material: <input type="checkbox"/> Band Color: <input type="checkbox"/> Band Inscription: <input type="checkbox"/> Band on Left/Right: <input type="checkbox"/>				
Transmitter Attached? If so: Frequency (mHz): <input type="checkbox"/>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA 576219 52020 541	Date: 20 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 14
Height in meters captured above ground surface:				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: 7.5
Photo Taken: Yes / No	Wt. (g): 7.5	Ear: 13.3	Tragus: 6.3	Fore-arm: 34.5
Time of Capture: 22:45	WNS Wing Score: 7.5	Wing Photo ID:	Remarks:	
Body Measurements (grams and millimeters) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <input type="checkbox"/> / <input type="checkbox"/> Band Material: <input type="checkbox"/> Band Color: <input type="checkbox"/> Band Inscription: <input type="checkbox"/> Band on Left/Right: <input type="checkbox"/>				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <input type="checkbox"/> / <input type="checkbox"/> Band Material: <input type="checkbox"/> Band Color: <input type="checkbox"/> Band Inscription: <input type="checkbox"/> Band on Left/Right: <input type="checkbox"/>				
Transmitter Attached? If so: Frequency (mHz): <input type="checkbox"/>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA 576219 52020 541	Date: 20 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 15
Height in meters captured above ground surface:				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: 7.5
Photo Taken: Yes / No	Wt. (g): 7.5	Ear: 13.3	Tragus: 6.4	Fore-arm: 33.9
Time of Capture: 22:45	WNS Wing Score: 7.5	Wing Photo ID:	Remarks:	
Body Measurements (grams and millimeters) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <input type="checkbox"/> / <input type="checkbox"/> Band Material: <input type="checkbox"/> Band Color: <input type="checkbox"/> Band Inscription: <input type="checkbox"/> Band on Left/Right: <input type="checkbox"/>				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <input type="checkbox"/> / <input type="checkbox"/> Band Material: <input type="checkbox"/> Band Color: <input type="checkbox"/> Band Inscription: <input type="checkbox"/> Band on Left/Right: <input type="checkbox"/>				
Transmitter Attached? If so: Frequency (mHz): <input type="checkbox"/>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name		Or Number: PA 516214		Date: 20 SEPT 12		Set No.		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 16				
Height in meters captured above ground surface:		1 m		Repro. Condition: NR		WNS Wing Score: 23.45		Photo Taken: Yes / No		Remarks: 0				
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Body Measurements (grams and millimeters)	Recapture Yes/No	Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
MYLU	F	A	NR	9	37.9	6.4	12.8		N	Metallic	Silver	PAGC55856	L	
Time of Capture	Wing Photo ID:													
23:45	Remarks:													
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotinal/epididymis swollen														
Site Name		Or Number: PA 516214		Date: 20 SEPT 12		Set No.		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 17				
Height in meters captured above ground surface:		1 m		Repro. Condition: NR		WNS Wing Score: 23.45		Photo Taken: Yes / No		Remarks: 0				
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Body Measurements (grams and millimeters)	Recapture Yes/No	Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
MYLU	M	A	NR	8.5	38	5.8	12.2		N	Metallic	Silver	PAGC55857	R	
Time of Capture	Wing Photo ID:													
23:45	Remarks:													
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotinal/epididymis swollen														
Site Name		Or Number: PA 516214		Date: 20 SEPT 12		Set No.		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 18				
Height in meters captured above ground surface:		1 m		Repro. Condition: NR		WNS Wing Score: 23.45		Photo Taken: Yes / No		Remarks: 0				
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Body Measurements (grams and millimeters)	Recapture Yes/No	Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
MYLU	M	A	NR	7.5	38	6.6	13.1		N	Metallic	Silver	PAGC55858	R	
Time of Capture	Wing Photo ID:													
23:45	Remarks:													

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 526219 S4.1		Date: 20 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 22
Height in meters captured above ground surface: 1 m					
Species: PESU	Sex: F	Age: A	Repro. Condition: PR	Wt. (g): 8	Transmitter Attached? If so: Frequency (mHz)
Photo Taken: Yes / No	WNS Wing Score: Ø	Ear: 11	Tragus: 4.9	Fore-arm: 34.5	Hind Foot: 8
Time of Capture: 23:45		Wing Photo ID:			
Remarks:					
Repro. Condition: NR= nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal/epididymis swollen					
Site Name Or Number: PA 526219 S4.1		Date: 20 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 23
Height in meters captured above ground surface: 1 m					
Species: PESU	Sex: F	Age: A	Repro. Condition: PR	Wt. (g): 8.5	Transmitter Attached? If so: Frequency (mHz)
Photo Taken: Yes / No	WNS Wing Score: Ø	Ear: 11.5	Tragus: 4.5	Fore-arm: 33.2	Hind Foot: 8.1
Time of Capture: 23:45		Wing Photo ID:			
Remarks:					
Repro. Condition: NR= nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal/epididymis swollen					
Site Name Or Number: PA 526219 S4.1		Date: 20 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 24
Height in meters captured above ground surface: 1 m					
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 8	Transmitter Attached? If so: Frequency (mHz)
Photo Taken: Yes / No	WNS Wing Score: Ø	Ear: 11.5	Tragus: 7.5	Fore-arm: 37.5	Hind Foot: 8.5
Time of Capture: 23:45		Wing Photo ID:			
Remarks:					
Repro. Condition: NR= nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal/epididymis swollen					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR6219 S&D S&L		Date: 21 SEPT 2012		Set No. Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 25	
Height in meters captured above ground surface: 1 m		Repro. Condition: NR		Wt. (g): 7.5		Fore-arm (mm): 33.8		Tragus (mm): 5.4	
Species: PESU		Sex: M		Age: A		Ear: 10.1		Foot: 7.6	
Time of Capture: 19:52		Photo Taken: Yes / No		WNS Wing Score: P2		Wing Photo ID:		Remarks:	
Body Measurements (grams and millimeters) Recapture Yes/No: <input type="checkbox"/> Band Material: <input type="checkbox"/> Band Color: <input type="checkbox"/> Band Inscription: <input type="checkbox"/> Band on Left/Right: <input type="checkbox"/>									
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <input type="checkbox"/> Band Material: <input type="checkbox"/> Band Color: <input type="checkbox"/> Band Inscription: <input type="checkbox"/> Band on Left/Right: <input type="checkbox"/>									
Transmitter Attached? If so: Frequency (mHz): <input type="checkbox"/>									
Name of Person Identifying the Bat: M.S. Fishman *Capture Number: 26									
Site Name Or Number: PA SR6219 S&D S&L		Date: 21 SEPT 12		Set No. Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 26	
Height in meters captured above ground surface: 1 m		Repro. Condition: NR		Wt. (g): 8.5		Fore-arm (mm): 35.7		Tragus (mm): 8.4	
Species: MYSE		Sex: F		Age: A		Ear: 15.9		Foot: 8.3	
Time of Capture: 20:45		Photo Taken: Yes / No		WNS Wing Score: P2		Wing Photo ID:		Remarks: banded 9/20/12	
Body Measurements (grams and millimeters) Recapture Yes/No: <input type="checkbox"/> Band Material: <input type="checkbox"/> Band Color: <input type="checkbox"/> Band Inscription: <input type="checkbox"/> Band on Left/Right: <input type="checkbox"/>									
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <input type="checkbox"/> Band Material: <input type="checkbox"/> Band Color: <input type="checkbox"/> Band Inscription: <input type="checkbox"/> Band on Left/Right: <input type="checkbox"/>									
Transmitter Attached? If so: Frequency (mHz): <input type="checkbox"/>									
Name of Person Identifying the Bat: M.S. Fishman *Capture Number: 27									
Site Name Or Number: PA SR6219 S&D S&L		Date: 21 SEPT 12		Set No. Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 27	
Height in meters captured above ground surface: 1 m		Repro. Condition: NR		Wt. (g): 8.5		Fore-arm (mm): 36.2		Tragus (mm): 6	
Species: MYLU		Sex: M		Age: A		Ear: 12.4		Foot: 8.6	
Time of Capture: 20:45		Photo Taken: Yes / No		WNS Wing Score: P2		Wing Photo ID:		Remarks:	
Body Measurements (grams and millimeters) Recapture Yes/No: <input type="checkbox"/> Band Material: <input type="checkbox"/> Band Color: <input type="checkbox"/> Band Inscription: <input type="checkbox"/> Band on Left/Right: <input type="checkbox"/>									
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <input type="checkbox"/> Band Material: <input type="checkbox"/> Band Color: <input type="checkbox"/> Band Inscription: <input type="checkbox"/> Band on Left/Right: <input type="checkbox"/>									
Transmitter Attached? If so: Frequency (mHz): <input type="checkbox"/>									
Name of Person Identifying the Bat: M.S. Fishman *Capture Number: 28									

*Capture Number = number in sequence by site.

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Pennsylvania Game Commission

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Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 52619 52020 5.4.1		Date: 21 SEPT 2012		Set No. Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 28	
Height in meters captured above ground surface:		1 m							
Species MYSE	Sex F	Age A	Repro. Condition PR	Wt. (g) 8.5	Fore-arm 37.2	Hind Foot 8.4	Recapture Yes/No Y	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Material: Metalic Color: Silver Inscription: 55854	Transmitter Attached? If so: Frequency (mHz)
Time of Capture 20:45	Photo Taken Yes / No	WNS Wing Score Φ		Wing Photo ID:		Remarks: Recapture from 9/20/12			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen									
Site Name Or Number: PA 52619 52020 5.4.1		Date: 21 SEPT 12		Set No. Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 29	
Height in meters captured above ground surface:		1 m							
Species PESU	Sex M	Age A	Repro. Condition NR	Wt. (g) 8	Fore-arm 33.5	Hind Foot	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Material: Band Color: Band Inscription: Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture 20:45	Photo Taken Yes / No	WNS Wing Score Φ		Wing Photo ID:		Remarks:			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen									
Site Name Or Number: PA 52619 52020 5.4.1		Date: 21 SEPT 12		Set No. Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 30	
Height in meters captured above ground surface:		1 m							
Species PESU	Sex M	Age A	Repro. Condition NR	Wt. (g) 8.5	Fore-arm 32	Hind Foot	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Material: Band Color: Band Inscription: Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture 20:45	Photo Taken Yes / No	WNS Wing Score Φ		Wing Photo ID:		Remarks:			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 576219 54020 57011	Date: 21 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 31
Height in meters captured above ground surface:				
Species: MYSE	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: Ø
Photo Taken: Yes / No	Wt. (g): 8	Fore-arm (mm): 35.2	Tragus (mm):	Ear (mm):
Wing Photo ID:	Remarks:			
20:45				
Repro. Condition: NR = nonreproductive; PG = pregnant; L = lactating; PL = post-lactating; SCR = serotal/epitaxymis swollen				
Site Name Or Number: PA 576219 54020 57011	Date: 21 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 32
Height in meters captured above ground surface:				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: Ø
Photo Taken: Yes / No	Wt. (g): 6.5	Fore-arm (mm): 34.2	Tragus (mm):	Ear (mm):
Wing Photo ID:	Remarks:			
20:45				
Repro. Condition: NR = nonreproductive; PG = pregnant; L = lactating; PL = post-lactating; SCR = serotal/epitaxymis swollen				
Site Name Or Number: PA 576219 54020 57011	Date: 21 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 33
Height in meters captured above ground surface:				
Species: MYLU	Sex: F	Age: J	Repro. Condition: NR	WNS Wing Score: Ø
Photo Taken: Yes / No	Wt. (g): 11	Fore-arm (mm): 38.2	Tragus (mm):	Ear (mm):
Wing Photo ID:	Remarks: photo show capture # 32			
21:30				
Repro. Condition: NR = nonreproductive; PG = pregnant; L = lactating; PL = post-lactating; SCR = serotal/epitaxymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 526219 54220 5421		Date: 21 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 34
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species PESU	Sex M	Age A	Repro. Condition NR	Wt. (g) 8	Fore-arm 34	Tragus 34
Photo Taken Yes / No	WNS Wing Score Ø	Wing Photo ID:	Remarks:			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: PA 526219 54220 5421		Date: 21 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 35
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species PESU	Sex M	Age A	Repro. Condition NR	Wt. (g) 8	Fore-arm 34	Tragus 34
Photo Taken Yes / No	WNS Wing Score Ø	Wing Photo ID:	Remarks:			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: PA 526219 54220 5421		Date: 21 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 36
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species MYLU	Sex M	Age A	Repro. Condition NR	Wt. (g) 9	Fore-arm 37.3	Tragus 37.3
Photo Taken Yes / No	WNS Wing Score Ø	Wing Photo ID:	Remarks: Did not Band			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 576219 5-20-1	Date: 21 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 37
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: ϕ
Photo Taken: Yes / No	Wt. (g): 7.5	Fore-arm (mm): 33.5	Tragus (mm):	Ear (mm):
Time of Capture: 21:30	Wing Photo ID:	Remarks: Large hole right wing, looks like a tear		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA 576219 5-20-1	Date: 21 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 38
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: 1
Photo Taken: Yes / No	Wt. (g): 8	Fore-arm (mm): 36	Tragus (mm):	Ear (mm):
Time of Capture: 21:30	Wing Photo ID:	Remarks:		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA 576219 5-20-1	Date: 21 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 39
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: ϕ
Photo Taken: Yes / No	Wt. (g): 8	Fore-arm (mm): 41.9	Tragus (mm):	Ear (mm):
Time of Capture: 21:30	Wing Photo ID:	Remarks:		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 526219 S. 020 S. 4.1		Date: 21 SEPT 12		Set No. Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 42	
Height in meters captured above ground surface: 1 m		Repro. Condition NR		WNS Wing Score 0		Photo Taken Yes / No		WNS Wing Score 0/22	
Species: PESU	Sex: F	Age: A	Wt. (g): 7	Ear	Tragus	Fore-arm	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
								Recapture Yes/No	Band Material Color Inscription Band on Left/Right
Time of Capture: 21:20		WNS Wing Score: 0		Wing Photo ID:		Remarks:		Transmitter Attached? if so: Frequency (mHz)	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen									
Site Name Or Number: PA 526219 S. 020 S. 4.1		Date: 21 SEPT 12		Set No. Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 41	
Height in meters captured above ground surface: 1 m		Repro. Condition NR		WNS Wing Score 0		Photo Taken Yes / No		WNS Wing Score 0/22	
Species: PESU	Sex: F	Age: A	Wt. (g): 7.5	Ear	Tragus	Fore-arm	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
								Recapture Yes/No	Band Material Color Inscription Band on Left/Right
Time of Capture: 21:30		WNS Wing Score: 0		Wing Photo ID:		Remarks:		Transmitter Attached? if so: Frequency (mHz)	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen									
Site Name Or Number: PA 526219 S. 020 S. 4.1		Date: 21 SEPT 12		Set No. Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 42	
Height in meters captured above ground surface: 1 m		Repro. Condition NR		WNS Wing Score 0		Photo Taken Yes / No		WNS Wing Score 0/22	
Species: MYLU	Sex: M	Age: A	Wt. (g): 6.5	Ear	Tragus	Fore-arm	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
								Recapture Yes/No	Band Material Color Inscription Band on Left/Right
Time of Capture: 21:30		WNS Wing Score: 0		Wing Photo ID:		Remarks: Not Banded		Transmitter Attached? if so: Frequency (mHz)	

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 5R6219 54020 5411	Date: 21 SEPT 2012	Set No. 01	Captured In:	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 43
Height in meters captured above ground surface:					
Species MYLU	Sex M	Age A	Repro. Condition NR	WNS Wing Score 0	Wing Photo ID: 21-30
Time of Capture 21:30	Photo Taken Yes	Age No	WNS Wing Score 0	Wing Photo ID: 21-30	Remarks: scar on left wing
Body Measurements (grams and millimeters) Ear Tragus Fore-arm Hind Foot 35.7 Band Information (if banded) Recapture Yes/No N Band Material Metal Band Color Silver Band Inscription 55863 (PAG655863) Band on Left/Right R					
Transmitter Attached? If so: Frequency (mHz)					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotalepididymis swollen					
Site Name Or Number: PA 5R6219 54020 5411	Date: 21 SEPT 12	Set No. 01	Captured In:	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 44
Height in meters captured above ground surface:					
Species PESU	Sex	Age	Repro. Condition	WNS Wing Score	Wing Photo ID: 22-27
Time of Capture 22:27	Photo Taken Yes	Age No	WNS Wing Score	Wing Photo ID: 22-27	Remarks: escaped during collection
Body Measurements (grams and millimeters) Ear Tragus Fore-arm Hind Foot Band Information (if banded) Recapture Yes/No Band Material Band Color Band Inscription Band on Left/Right					
Transmitter Attached? If so: Frequency (mHz)					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotalepididymis swollen					
Site Name Or Number: PA 5R6219 54020 5411	Date: 21 SEPT 12	Set No. 01	Captured In:	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 45
Height in meters captured above ground surface:					
Species PESU	Sex	Age	Repro. Condition	WNS Wing Score	Wing Photo ID: 22-27
Time of Capture 22:27	Photo Taken Yes	Age No	WNS Wing Score	Wing Photo ID: 22-27	Remarks: escaped during collection
Body Measurements (grams and millimeters) Ear Tragus Fore-arm Hind Foot Band Information (if banded) Recapture Yes/No Band Material Band Color Band Inscription Band on Left/Right					
Transmitter Attached? If so: Frequency (mHz)					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 526219 5020 SK-1	Date: 21 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 46
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 85
Photo Taken: Yes / No	Ear: 39.6	Tragus: 38.1	Fore-arm: 38.1	Hind Foot: 38.1
Time of Capture: 22:27	WNS Wing Score: 1	Wing Photo ID: 1	Wing Photo ID: 1	Wing Photo ID: 1
Remarks: 19				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA 526219 5020 SK-1	Date: 21 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 47
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 8
Photo Taken: Yes / No	Ear: 38.1	Tragus: 38.1	Fore-arm: 38.1	Hind Foot: 38.1
Time of Capture: 22:27	WNS Wing Score: 1	Wing Photo ID: 1	Wing Photo ID: 1	Wing Photo ID: 1
Remarks: 12				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA 526219 5020 SK-1	Date: 21 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 48
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 11
Photo Taken: Yes / No	Ear: 38.2	Tragus: 38.2	Fore-arm: 38.2	Hind Foot: 38.2
Time of Capture: 22:27	WNS Wing Score: 1	Wing Photo ID: 1	Wing Photo ID: 1	Wing Photo ID: 1
Remarks: 21.5				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 5R6219 Se020 5421	Date: 21 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 49
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: 0/PT
Time of Capture: 23:00	Photo Taken: Yes / No	Wing Photo ID:	Remarks:	
Body Measurements (grams and millimeters) Wt. (g): 26 Ear: Tragus: 37.3 Fore-arm: Hind Foot: Wing Photo ID:				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: N Band Material: Metal, 2 Silver Band Color: Silver Band Inscription: PAG655867 Band on Left/Right: R				
Transmitter Attached? If so: (mHz)				

Site Name Or Number: PA 5R6219 Se020 5421	Date: 21 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 50
Height in meters captured above ground surface: 1 m				
Species: PFSU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: 0
Time of Capture: 23:00	Photo Taken: Yes / No	Wing Photo ID:	Remarks:	
Body Measurements (grams and millimeters) Wt. (g): 28 Ear: Tragus: 34 Fore-arm: Hind Foot: Wing Photo ID:				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: Band Material: Band Color: Band Inscription: Band on Left/Right:				
Transmitter Attached? If so: (mHz)				

Site Name Or Number: PA 5R6219 Se020 5421	Date: 21 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 51
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: 0
Time of Capture: 23:00	Photo Taken: Yes / No	Wing Photo ID:	Remarks:	
Body Measurements (grams and millimeters) Wt. (g): 7 Ear: Tragus: 34 Fore-arm: Hind Foot: Wing Photo ID:				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: N Band Material: Metal, 2 Silver Band Color: Silver Band Inscription: PAG655868 Band on Left/Right: R				
Transmitter Attached? If so: (mHz)				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 526219 5020 sk 1	Date: 21 Sept 12	Set No.	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 52
Height in meters captured above ground surface:				
Species MYLU	Sex M	Age A	Repro. Condition NR	Wt. (g) 8
Photo Taken Yes / No	WNS Wing Score	Fore-arm 38.1	Tragus	Ear
Time of Capture 23:20	Wing Photo ID:	Remarks:		

Site Name Or Number: PA 526219 5020 sk 1	Date: 21 Sept 12	Set No.	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 53
Height in meters captured above ground surface:				
Species PESU	Sex F	Age A	Repro. Condition PR	Wt. (g) 7
Photo Taken Yes / No	WNS Wing Score	Fore-arm 33.4	Tragus	Ear
Time of Capture 23:20	Wing Photo ID:	Remarks:		

Site Name Or Number: PA 526219 5020 sk 1	Date: 21 Sept 12	Set No.	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 54
Height in meters captured above ground surface:				
Species PESU	Sex M	Age A	Repro. Condition NR	Wt. (g) 7.5
Photo Taken Yes / No	WNS Wing Score	Fore-arm 33.2	Tragus	Ear
Time of Capture 23:20	Wing Photo ID:	Remarks:		

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 5R6219 50020 SK1	Date: 21 Sept 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 55
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: 1
Photo Taken: Yes / No	Wt. (g): 10	Fore-arm (mm): 36.8	Tragus (mm):	Ear (mm):
Time of Capture: 2320	Wing Photo ID:	Remarks:		
Body Measurements (grams and millimeters) Recapture Yes/No: N Band Material: Metal Band Color: Silver Band Inscription: PAG65870 Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Band on Left/Right: L Transmitter Attached? If so: Frequency (MHz):				
Site Name Or Number: PA 5R6219 50020 SK1	Date: 21 Sept 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 56
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: 0
Photo Taken: Yes / No	Wt. (g): 9.5	Fore-arm (mm): 37.8	Tragus (mm):	Ear (mm):
Time of Capture: 2320	Wing Photo ID:	Remarks:		
Body Measurements (grams and millimeters) Recapture Yes/No: N Band Material: Metal Band Color: Silver Band Inscription: PAG65871 Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Band on Left/Right: L Transmitter Attached? If so: Frequency (MHz):				
Site Name Or Number: PA 5R6219 50020 SK1	Date: 21 Sept. 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 57
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: 0
Photo Taken: Yes / No	Wt. (g): 7.5	Fore-arm (mm): 35.5	Tragus (mm):	Ear (mm):
Time of Capture: 2345	Wing Photo ID:	Remarks:		
Body Measurements (grams and millimeters) Recapture Yes/No: N Band Material: Metal Band Color: Silver Band Inscription: PAG65871 Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Band on Left/Right: L Transmitter Attached? If so: Frequency (MHz):				

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA S.R. 6219 2020 541	Date: 21 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman				*Capture Number: 61
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 8.5	Fore-arm: 36.2	Tragus: 36.2	Recapture Yes/No: <input type="checkbox"/>
Time of Capture: 2345	Photo Taken: <input checked="" type="checkbox"/> / No	WNS Wing Score: \emptyset	Wing Photo ID: Remarks:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotalepididymis swollen							
Site Name Or Number: PA S.R. 6219 2020 541	Date: 21 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman				*Capture Number: 62
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 8.5	Fore-arm: 35.4	Tragus: 35.4	Recapture Yes/No: <input type="checkbox"/>
Time of Capture: 2345	Photo Taken: <input checked="" type="checkbox"/> / No	WNS Wing Score: 0/PJ	Wing Photo ID: Remarks:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotalepididymis swollen							
Site Name Or Number: PA S.R. 6219 2020 541	Date: 21 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman				*Capture Number: 63
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 8	Fore-arm: 33.8	Tragus: 33.8	Recapture Yes/No: <input type="checkbox"/>
Time of Capture: 2345	Photo Taken: <input checked="" type="checkbox"/> / No	WNS Wing Score: \emptyset	Wing Photo ID: Remarks:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotalepididymis swollen							

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name <u>PA S.R. 62219 2020 Site 1</u>										Date: <u>22 SEPT 2012</u>		Set No. <u>01</u>		Name of Person Identifying the Bat: <u>M.S. F. hman</u>		*Capture Number: <u>64</u>		Transmitter Attached? If so: <u>Frequency (mHz)</u>					
Height in meters captured above ground surface: <u>1</u> m										Body Measurements (<u>grams and millimeters</u>)				Recapture Yes/No <u> </u>				Band Information (<u>if banded</u>) <i>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)</i>					
Species		Sex		Age		Repro. Condition		Wt. (g)		Fore-arm		Hind Foot		Recapture Yes/No		Band Material		Band Color		Band Inscription		Band on Left/Right	
PESU		M		A		NR		8		35.9		8.9											
Time of Capture		Photo Taken		WNS Wing Score		Wing Photo ID:																	
20:10		Yes / No		1				Remarks:															

Repro: Condition. NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen

Site Name Or Number:	PA S.R. 6219 Sec 20 S41		Date:	22 SEPT 2012		Set No.	Identifying the Bat:		Name of Person	*Capture Number:				
Height in meters captured above ground surface:	1 m		Body Measurements (grams and millimeters)			Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)								
Species	Sex	Age	Repro. Condition	Wt. (g)	Bar	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)
PSM	F	A	NR	8	10.2	4.3	34.5	4.8						
Time of Capture	Photo Taken		WNS Wing Score		Wing Photo ID:		Remarks:							
20:10	869 / No		1											

Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = seroal/epithidymis swollen

Site Name	Date:						Set No.	Name of Person	*Capture Number:			
Or Number: PA SR 019 SL 020 S-11	22 SEPT 2012						Captured In: 01	Identifying the Bat: M. S. Fajana	66			
Height in meters captured above ground surface:	1 m											
Species	Sex	Age	Repro. Condition	Wt. (g)	Body Measurements (grams and millimeters)				Transmitter Attached? If so: Frequency (MHz)			
PESU	F	A	NR	7.5	Fore-arm	Tragus	Hind Foot	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
					10.6	5.7	34	9.6	Band Material	Band Color	Band Inscription	Band on Left/Right
Time of Capture	Photo Taken				WNS Wing Score				Wing Photo ID:			
2010	Yes / No				Ø				Remarks:			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA S.R. 6219 S420 S421		Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 67
Height in meters captured above ground surface: 1 m					
Species PESU	Sex M	Age A	Repro. Condition NR	Wt. (g) 6.5	Transmitter Attached? If so: Frequency (MHz)
Photo Taken Yes / No	Ear 11.8	Tragus 6.1	Fore-arm 34.6	Hind Foot 8.1	
Time of Capture 2010	WNS Wing Score 0/P1	Wing Photo ID:			
Remarks:					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotai/epididymis swollen					
Site Name Or Number: PA S.R. 6219 S420 S421		Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 68
Height in meters captured above ground surface: 1 m					
Species PESU	Sex F	Age A	Repro. Condition PR	Wt. (g) 6.5	Transmitter Attached? If so: Frequency (MHz)
Photo Taken Yes / No	Ear 10.2	Tragus 5.2	Fore-arm 35	Hind Foot 6.9	
Time of Capture 2010	WNS Wing Score Ø	Wing Photo ID:			
Remarks:					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotai/epididymis swollen					
Site Name Or Number: PA S.R. 6219 S420 S421		Date: 21 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 69
Height in meters captured above ground surface: 1 m					
Species MYSE	Sex M	Age A	Repro. Condition NR	Wt. (g) 9.5	Transmitter Attached? If so: Frequency (MHz)
Photo Taken Yes / No	Ear 16	Tragus 8.5	Fore-arm 35.8	Hind Foot 7.2	
Time of Capture 2010	WNS Wing Score Ø	Wing Photo ID:			
Remarks:					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotai/epididymis swollen					

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA S.R. 6219 S. 20 S. 4.1	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 70
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: ϕ
Time of Capture: 2050	Photo Taken: <input checked="" type="checkbox"/> / No	WNS Wing Score: ϕ	Wing Photo ID:	Remarks:
Body Measurements (grams and millimeters)				
Wt. (g): 8	Ear:	Tragus:	Fore-arm: 34	Hind Foot:
Band Information (if banded)				
Recapture Yes/No:	Material:	Band Color:	Band Inscription:	Band on Left/Right:
Transmitter Attached? If so: Frequency (mHz):				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA S.R. 6219 S. 20 S. 4.1	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 71
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: J	Repro. Condition: NR	WNS Wing Score: 75
Time of Capture: 2050	Photo Taken: <input checked="" type="checkbox"/> / No	WNS Wing Score: ϕ	Wing Photo ID:	Remarks:
Body Measurements (grams and millimeters)				
Wt. (g): 75	Ear:	Tragus:	Fore-arm: 34.4	Hind Foot:
Band Information (if banded)				
Recapture Yes/No:	Material:	Band Color:	Band Inscription:	Band on Left/Right:
Transmitter Attached? If so: Frequency (mHz):				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA S.R. 6219 S. 20 S. 4.1	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 72
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: 8.5
Time of Capture: 2050	Photo Taken: <input checked="" type="checkbox"/> / No	WNS Wing Score: ϕ / P1	Wing Photo ID:	Remarks:
Body Measurements (grams and millimeters)				
Wt. (g): 8.5	Ear:	Tragus:	Fore-arm: 38.3	Hind Foot:
Band Information (if banded)				
Recapture Yes/No: N	Material: Metal	Band Color: Silver	Band Inscription: PAG 655873	Band on Left/Right: R
Transmitter Attached? If so: Frequency (mHz):				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 6219 541	Date: 22 SEP 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 73
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: 0
Time of Capture: 2050	Photo Taken: Yes / No	Wt. (g): 6.5	Forearm (mm): 36.8	Tragus (mm):
			Ear:	
			Wing Photo ID:	
			Remarks:	
Body Measurements (grams and millimeters) Recapture Yes/No: N Band Information (if banded) Band Males on bat's RIGHT fa., Females on bat's LEFT fa. Band Material: Metal Band Color: Silver Band Inscription: PAG-55874 Band on Left/Right: R				
Site Name Or Number: PA SR 6219 541	Date: 22 SEP 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 74
Height in meters captured above ground surface: 1 m				
Species: MYSE	Sex: F	Age: A	Repro. Condition: PR	WNS Wing Score: 1
Time of Capture: 2050	Photo Taken: Yes / No	Wt. (g): 7.5	Forearm (mm): 38.7	Tragus (mm):
			Ear:	
			Wing Photo ID:	
			Remarks:	
Body Measurements (grams and millimeters) Recapture Yes/No: N Band Information (if banded) Band Males on bat's RIGHT fa., Females on bat's LEFT fa. Band Material: Metal Band Color: Silver Band Inscription: PAG-55875 Band on Left/Right: L				
Site Name Or Number: PA SR 6219 541	Date: 22 SEP 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 75
Height in meters captured above ground surface: 1 m				
Species: RESU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: 0/P2
Time of Capture: 2050	Photo Taken: Yes / No	Wt. (g): 7	Forearm (mm): 33.1	Tragus (mm):
			Ear:	
			Wing Photo ID:	
			Remarks:	
Body Measurements (grams and millimeters) Recapture Yes/No: N Band Information (if banded) Band Males on bat's RIGHT fa., Females on bat's LEFT fa. Band Material: Metal Band Color: Silver Band Inscription: PAG-55875 Band on Left/Right: L				

*Capture Number = number in sequence by site.

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Site Name Or Number: PA S.R. 6219 Sept 2012	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. F. Johnson	*Capture Number: 76
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: F	Age: A	Repro. Condition: PR	Wt. (g): 7.5
Photo Taken: Yes / No	Ear	Tragus	Fore-arm	Hind Foot
WNS Wing Score: \emptyset	Body Measurements (grams and millimeters)			
Wing Photo ID:	Remarks:			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA S.R. 6219 Sept 2012	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. F. Johnson	*Capture Number: 77
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: F	Age: A	Repro. Condition: PR	Wt. (g): 8
Photo Taken: Yes / No	Ear	Tragus	Fore-arm	Hind Foot
WNS Wing Score: \emptyset	Body Measurements (grams and millimeters)			
Wing Photo ID:	Remarks:			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA S.R. 6219 Sept 2012	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. F. Johnson	*Capture Number: 78
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 8
Photo Taken: Yes / No	Ear	Tragus	Fore-arm	Hind Foot
WNS Wing Score: 1	Body Measurements (grams and millimeters)			
Wing Photo ID:	Remarks:			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 6219 SODALIS 541	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 79
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	Transmitter Attached? If so: Frequency (mHz)
Wt. (g): 12	Ear	Tragus	Fore-arm	Hind Foot
WNS Wing Score: 2130	Photo Taken: Yes / No	Wing Photo ID:	Remarks:	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: N Band Material: Mch1 Band Color: Silver Band Inscription: PAG55876 Band on Left/Right: R				
Site Name Or Number: PA SR 6219 SODALIS 541	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 80
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Transmitter Attached? If so: Frequency (mHz)
Wt. (g): 25	Ear	Tragus	Fore-arm	Hind Foot
WNS Wing Score: 2130	Photo Taken: Yes / No	Wing Photo ID:	Remarks:	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: Band Material: Band Color: Band Inscription: Band on Left/Right:				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: N Band Material: Mch1 Band Color: Silver Band Inscription: PAG55877 Band on Left/Right: R				
Site Name Or Number: PA SR 6219 SODALIS 541	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 81
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	Transmitter Attached? If so: Frequency (mHz)
Wt. (g): 45	Ear	Tragus	Fore-arm	Hind Foot
WNS Wing Score: 2130	Photo Taken: Yes / No	Wing Photo ID:	Remarks:	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: N Band Material: Mch1 Band Color: Silver Band Inscription: PAG55877 Band on Left/Right: R				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR6219 S020541	Date: 22 Sept 2012	Set No. 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 82
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 7.5	Transmitter Attached? If so: Frequency (mHz)
Photo Taken: Yes / No	Ear:	Tragus:	Fore-arm:	Hind Foot:	
WNS Wing Score: ϕ	Wing Photo ID:				
Time of Capture: 2130	Remarks:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen.					
Site Name Or Number: PA SR6219 S020541	Date: 22 Sept 2012	Set No. 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 83
Height in meters captured above ground surface:					
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 9.1	Transmitter Attached? If so: Frequency (mHz)
Photo Taken: Yes / No	Ear:	Tragus:	Fore-arm: 38.5	Hind Foot:	
WNS Wing Score: ϕ	Wing Photo ID:				
Time of Capture: 2130	Remarks:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen.					
Site Name Or Number: PA SR6219 S020541	Date: 22 Sept 2012	Set No. 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 84
Height in meters captured above ground surface:					
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 9.5	Transmitter Attached? If so: Frequency (mHz)
Photo Taken: Yes / No	Ear:	Tragus:	Fore-arm: 37.7	Hind Foot:	
WNS Wing Score: ϕ	Wing Photo ID:				
Time of Capture: 2130	Remarks:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen.					

*Capture Number = number in sequence by site.

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 516219 5020 SK1	Date: 22 SEP 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 85
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Transmitter Attached? If so: Frequency (MHz)
Wt. (g): 7	Ear	Tragus	Fore-arm (mm): 34.1	
Photo Taken: Yes / No	WNS Wing Score: 0	Wing Photo ID:	Remarks:	

Site Name Or Number: PA 516219 5020 SK1	Date: 22 SEP 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 86
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: F	Age: A	Repro. Condition: PR	Transmitter Attached? If so: Frequency (MHz)
Wt. (g): 10	Ear	Tragus	Fore-arm (mm): 34.9	
Photo Taken: Yes / No	WNS Wing Score: 0	Wing Photo ID:	Remarks:	

Site Name Or Number: PA 516219 5020 SK1	Date: 22 SEP 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 87
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Transmitter Attached? If so: Frequency (MHz)
Wt. (g): 7	Ear	Tragus	Fore-arm (mm): 34.6	
Photo Taken: Yes / No	WNS Wing Score: 0	Wing Photo ID:	Remarks:	

Site Name Or Number: PA 516219 5020 SK1	Date: 22 SEP 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 87
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Transmitter Attached? If so: Frequency (MHz)
Wt. (g): 7	Ear	Tragus	Fore-arm (mm): 34.6	
Photo Taken: Yes / No	WNS Wing Score: 0	Wing Photo ID:	Remarks:	

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 6219 SE020541	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 88
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 8
Time of Capture: 2230	Photo Taken: Yes / No	WNS Wing Score: 0	Wing Photo ID:	
Remarks:				
Body Measurements (grams and millimeters)				
Fore-arm: 35.8	Tragus:	Ear:	Wt. (g): 8	
Hind Foot:				
Band Information (if banded)				
Recapture Yes/No:	Band Material:	Band Color:	Band Inscription:	Band on Left/Right:
Transmitter Attached? If so: Frequency (MHz):				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA SR 6219 SE020541	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 89
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 7
Time of Capture: 2230	Photo Taken: Yes / No	WNS Wing Score: 0/P4	Wing Photo ID:	
Remarks:				
Body Measurements (grams and millimeters)				
Fore-arm: 33.4	Tragus:	Ear:	Wt. (g): 7	
Hind Foot:				
Band Information (if banded)				
Recapture Yes/No:	Band Material:	Band Color:	Band Inscription:	Band on Left/Right:
Transmitter Attached? If so: Frequency (MHz):				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA SR 6219 SE020541	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 90
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 8
Time of Capture: 2250	Photo Taken: Yes / No	WNS Wing Score: 1	Wing Photo ID:	
Remarks:				
Body Measurements (grams and millimeters)				
Fore-arm: 36.7	Tragus:	Ear:	Wt. (g): 8	
Hind Foot:				
Band Information (if banded)				
Recapture Yes/No: N	Band Material: Metal	Band Color: Silver	Band Inscription: PAG 655881	Band on Left/Right: R
Transmitter Attached? If so: Frequency (MHz):				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR6219 Se200 Site 1	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 91
Height in meters captured above ground surface:				
Species MYLU	Sex F	Age A	Repro. Condition NR	WNS Wing Score 1
Photo Taken Yes / No	Wt. (g) 8	Fore-arm 36.9	Hind Foot	
Time of Capture 2250	Ear	Tragus	Transmitter Attached? If so: Frequency (mHz)	
Body Measurements (grams and millimeters)				
Band Information (if banded)				
(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
N	Metal	slvr	PAGC55882	L
Remarks:				
Wing Photo ID:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA SR6219 Se200 Site 1	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 92
Height in meters captured above ground surface:				
Species RESU	Sex M	Age A	Repro. Condition SCR	WNS Wing Score 1
Photo Taken Yes / No	Wt. (g) 7	Fore-arm 33.3	Hind Foot	
Time of Capture 2310	Ear	Tragus	Transmitter Attached? If so: Frequency (mHz)	
Body Measurements (grams and millimeters)				
Band Information (if banded)				
(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
Remarks:				
Wing Photo ID:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA SR6219 Se200 Site 1	Date: 22 SEPT 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 93
Height in meters captured above ground surface:				
Species RESU	Sex M	Age A	Repro. Condition NR	WNS Wing Score 1
Photo Taken Yes / No	Wt. (g) 7	Fore-arm 34.7	Hind Foot	
Time of Capture 2310	Ear	Tragus	Transmitter Attached? If so: Frequency (mHz)	
Body Measurements (grams and millimeters)				
Band Information (if banded)				
(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
Remarks:				
Wing Photo ID:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen				

1532.001.001

FORM P-70008-M

12/09

Section 3

COMMONWEALTH OF PENNSYLVANIA
Pennsylvania Game Commission

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Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR6219 SC200 site 1	Date: 22 Sept 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 94
Height in meters captured above ground surface:				
Species: MYSE	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: 1
Time of Capture: 2320	Photo Taken: Yes / No	Wing Photo ID:	Remarks:	
Body Measurements (grams and millimeters)				
Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No: N
		37.8		
Band Information (if banded)				
Band Material: Mth	Band Color: Silver	Band Inscription: PAG655883	Band on Left/Right: L	Transmitter Attached? if so: Frequency (mHz):
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA SR6219 SC200 site 1	Date: 22 Sept 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 95
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: 6.5
Time of Capture: 2320	Photo Taken: Yes / No	Wing Photo ID:	Remarks:	
Body Measurements (grams and millimeters)				
Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No:
		32.3		
Band Information (if banded)				
Band Material:	Band Color:	Band Inscription:	Band on Left/Right:	Transmitter Attached? if so: Frequency (mHz):
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA SR6219 SC200 site 1	Date: 25 Sept 2012	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 96
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: 6.5
Time of Capture: 2000	Photo Taken: Yes / No	Wing Photo ID:	Remarks:	
Body Measurements (grams and millimeters)				
Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No:
		34.6		
Band Information (if banded)				
Band Material:	Band Color:	Band Inscription:	Band on Left/Right:	Transmitter Attached? if so: Frequency (mHz):
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 576219 SC020 S-1	Date: 25 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 97
Height in meters captured above ground surface: 1 m	Repro. Condition: SCR	WNS Wing Score: ϕ	Wing Photo ID:	Remarks:
Species: PESU	Sex: M	Age: A	Wt. (g): 75	Fore-arm (mm): 34.3
Photo Taken: ϕ / No	Ear:	Tragus:	Hind Foot:	Transmitter Attached? If so: Frequency (mHz):
Time of Capture: 2000	Photo Taken: ϕ / No	WNS Wing Score: ϕ	Wing Photo ID:	Remarks:
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA 576219 SC020 S-1	Date: 25 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 98
Height in meters captured above ground surface: 1 m	Repro. Condition: PR	WNS Wing Score: ϕ	Wing Photo ID:	Remarks:
Species: PESU	Sex: F	Age: A	Wt. (g): 7	Fore-arm (mm): 32.2
Photo Taken: ϕ / No	Ear:	Tragus:	Hind Foot:	Transmitter Attached? If so: Frequency (mHz):
Time of Capture: 2000	Photo Taken: ϕ / No	WNS Wing Score: ϕ	Wing Photo ID:	Remarks:
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: PA 576219 SC020 S-1	Date: 25 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 99
Height in meters captured above ground surface: 1 m	Repro. Condition: NR	WNS Wing Score: ϕ	Wing Photo ID:	Remarks:
Species: MYSE	Sex: F	Age: A	Wt. (g): 8.5	Fore-arm (mm): 32.2
Photo Taken: ϕ / No	Ear:	Tragus:	Hind Foot:	Transmitter Attached? If so: Frequency (mHz):
Time of Capture: 2000	Photo Taken: ϕ / No	WNS Wing Score: ϕ	Wing Photo ID:	Remarks:
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 526219 52020 S+L 1	Date: 25 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 100
Height in meters captured above ground surface: 1 m				
Species: PFSU	Sex: F	Age: A	Repro. Condition: PR	WNS Wing Score: 75
Time of Capture: 2000	Photo Taken: Yes / No	Wing Photo ID: 0	Remarks:	
Body Measurements (grams and millimeters)				
Wt. (g): 75	Ear:	Tragus: 35.8	Fore-arm: 35.8	Hind Foot: 7.9
Band Information (if banded)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
Transmitter Attached? If so: Frequency (MHz)				

Site Name Or Number: PA 526219 52020 S+L 1	Date: 25 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 101
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: 10
Time of Capture: 2030	Photo Taken: Yes / No	Wing Photo ID: 0	Remarks:	
Body Measurements (grams and millimeters)				
Wt. (g): 10	Ear: 13.4	Tragus: 6.6	Fore-arm: 37.4	Hind Foot: 7.9
Band Information (if banded)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
N	Metals	Silver	PA 525884	R
Transmitter Attached? If so: Frequency (MHz)				

Site Name Or Number: PA 526219 52020 S+L 1	Date: 25 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 102
Height in meters captured above ground surface: 1 m				
Species: PFSU	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: 75
Time of Capture: 2030	Photo Taken: Yes / No	Wing Photo ID: 0/P1	Remarks:	
Body Measurements (grams and millimeters)				
Wt. (g): 75	Ear:	Tragus: 33.3	Fore-arm: 33.3	Hind Foot: 7.9
Band Information (if banded)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
Transmitter Attached? If so: Frequency (MHz)				

*Capture Number = number in sequence by site.

COMMONWEALTH OF PENNSYLVANIA

Pennsylvania Game Commission

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR6219 Sec20 Site 1	Date: 25 Sept 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 103
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SR	WNS Wing Score: ϕ
Time of Capture: 2030	Photo Taken: <input checked="" type="checkbox"/>	No: <input type="checkbox"/>	Wing Photo ID:	Remarks:
Body Measurements (grams and millimeters)				
Wt. (g): 7.5	Ear:	Tragus:	Fore-arm:	Hind Foot:
			33.5	
Band Information (if banded)				
Recapture Yes/No		Band Material	Band Color	Band Inscription
Band Males on bat's RIGHT fa., Females on bat's LEFT fa.				Transmitter Attached? If so: Frequency (mHz)

Site Name Or Number: PA SR6219 Sec20 Site 1	Date: 25 Sept 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 104
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: 1
Time of Capture: 2030	Photo Taken: <input checked="" type="checkbox"/>	No: <input type="checkbox"/>	Wing Photo ID:	Remarks:
Body Measurements (grams and millimeters)				
Wt. (g): 9.5	Ear:	Tragus:	Fore-arm:	Hind Foot:
	3.6	6.4	36.4	7.5
Band Information (if banded)				
Recapture Yes/No		Band Material	Band Color	Band Inscription
N		Metal	Silver	PAG-SS885
Band Males on bat's RIGHT fa., Females on bat's LEFT fa.				Transmitter Attached? If so: Frequency (mHz)

Site Name Or Number: PA SR6219 Sec20 Site 1	Date: 25 Sept 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 105
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: ϕ
Time of Capture: 2055	Photo Taken: <input checked="" type="checkbox"/>	No: <input type="checkbox"/>	Wing Photo ID:	Remarks:
Body Measurements (grams and millimeters)				
Wt. (g): 8.5	Ear:	Tragus:	Fore-arm:	Hind Foot:
			35.6	
Band Information (if banded)				
Recapture Yes/No		Band Material	Band Color	Band Inscription
Band Males on bat's RIGHT fa., Females on bat's LEFT fa.				Transmitter Attached? If so: Frequency (mHz)

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name	Date:	Set No.	Captured In:	Name of Person Identifying the Bat:	*Capture Number:	Transmitter Attached? If so: Frequency (MHz)
Or Number: PA SR 6219 Sec 020 Site 1	25 Sept 12			M.S. Fishman	104	
Height in meters captured above ground surface:						
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 8	Band Information (if banded)	
	Photo Taken: Yes / No			Recapture Yes/No	Band Material	Band Color
Time of Capture: 2055	WNS Wing Score: ϕ	Fore-arm: 35.5	Hind Foot: 7.8	Band Inscription	Band on Left/Right	
	Wing Photo ID:					
	Remarks:					
Or Number: PA SR 6219 Sec 020 Site 1	25 Sept 12			M.S. Fishman	107	
Height in meters captured above ground surface:						
Species: MYLE	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 8.5	Band Information (if banded)	
	Photo Taken: Yes / No			Recapture Yes/No: N	Band Material: Metal	Band Color: Silver
Time of Capture: 2055	WNS Wing Score: ϕ /P3	Fore-arm: 36.9	Hind Foot: 7.8	Band Inscription: PAGC55886	Band on Left/Right: R	
	Wing Photo ID:					
	Remarks: Left ear tip missing					
Or Number: PA SR 6219 Sec 020 Site 1	25 Sept 12			M.S. Fishman	108	
Height in meters captured above ground surface:						
Species: MYLU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 9	Band Information (if banded)	
	Photo Taken: Yes / No			Recapture Yes/No: N	Band Material: Metal	Band Color: Silver
Time of Capture: 2055	WNS Wing Score: ϕ	Fore-arm: 35.6	Hind Foot: 8.7	Band Inscription: PAGC55887	Band on Left/Right: R	
	Wing Photo ID:					
	Remarks:					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR6219 SCOR20 Site 1	Date: 25 Sept 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 109
Height in meters captured above ground surface: 1 m				
Species: PESu	Sex: M	Age: A	Repro. Condition: SC2	WNS Wing Score: 0/P2
Time of Capture: 2115	Photo Taken: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	WNS Wing Score: 0/P2		
Remarks: Escaped removing from trap				
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotalepididymis swollen				
Site Name Or Number: PA SR6219 SCOR20 Site 1	Date: 25 Sept 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 110
Height in meters captured above ground surface: 1 m				
Species: PESu	Sex: M	Age: A	Repro. Condition: SC2	WNS Wing Score: 0/P2
Time of Capture: 2115	Photo Taken: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	WNS Wing Score: 0/P2		
Remarks: Escaped removing from trap				
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotalepididymis swollen				
Site Name Or Number: PA SR6219 SCOR20 Site 1	Date: 25 Sept 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 111
Height in meters captured above ground surface: 1 m				
Species: PESu	Sex: M	Age: A	Repro. Condition: SC2	WNS Wing Score: 0/P2
Time of Capture: 2115	Photo Taken: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	WNS Wing Score: 0/P2		
Remarks: Escaped removing from trap				
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotalepididymis swollen				

*Capture Number = number in sequence by site.

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR6219 SC20 S41		Date: 25 Sept 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 112
Height in meters captured above ground surface:	Species PESU	Sex F	Age A	Repro. Condition NR	Wt. (g) 8	Ear (mm) 12.5
Photo Taken Yes / No Yes / No	WNS Wing Score Q	Fore- arm 53.9	Tragus 5.7	Hind Foot 7.3	Body Measurements (grams and millimeters)	
Time of Capture 2115		Wing Photo ID:		Remarks: accidentally banded w/ PAGC 55888 - (removed) band destroyed.		

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Site Name Or Number: PA SR6219 SC20 S41		Date: 25 Sept 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 113
Height in meters captured above ground surface:	Species MYLU	Sex M	Age A	Repro. Condition NR	Wt. (g) 9.5	Ear (mm) 13.5
Photo Taken Yes / No Yes / No	WNS Wing Score 1	Fore- arm 40.4	Tragus 6.6	Hind Foot 8.4	Body Measurements (grams and millimeters)	
Time of Capture 2115		Wing Photo ID:		Remarks: Banded Males on bat's RIGHT fa., Females on bat's LEFT fa.		

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Site Name Or Number: PA SR6219 SC20 S41		Date: 25 Sept 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 114
Height in meters captured above ground surface:	Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 7.5	Ear (mm) 12.5
Photo Taken Yes / No Yes / No	WNS Wing Score Q	Fore- arm 33.1	Tragus 5.7	Hind Foot 7.3	Body Measurements (grams and millimeters)	
Time of Capture 2115		Wing Photo ID:		Remarks: Banded Males on bat's RIGHT fa., Females on bat's LEFT fa.		

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 586219 S40 S41		Date: 25 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 115
Height in meters captured above ground surface:						
Species MYLU	Sex F	Age A	Repro. Condition QR	Wt. (g) 8.5	Fore-arm 36.3	Hind Foot 8.4
Photo Taken Yes / No			WNS Wing Score 1		Wing Photo ID:	
Time of Capture 2115						
Remarks:						
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: PA 586219 S40 S41		Date: 25 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 116
Height in meters captured above ground surface:						
Species PESU	Sex M	Age A	Repro. Condition NR	Wt. (g) 8.5	Fore-arm 34	Hind Foot 8.4
Photo Taken Yes / No			WNS Wing Score 1		Wing Photo ID:	
Time of Capture 2150						
Remarks:						
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: PA 586219 S40 S41		Date: 25 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 117
Height in meters captured above ground surface:						
Species MYSE	Sex M	Age A	Repro. Condition SCR	Wt. (g) 9.5	Fore-arm 36.4	Hind Foot 8.4
Photo Taken Yes / No			WNS Wing Score 4/P1		Wing Photo ID:	
Time of Capture 2150						
Remarks:						
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen						

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name		Or Number: PA SR6219 Sec 020 Sta 1		Date: 25 SEPT 12	Set No.	Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 118
Height in meters captured above ground surface:		m						
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Transmitter Attached? if so: Frequency (mHz)
MYSE	M	A	SCR	85	36.5	9.5	18.4	
Time of Capture	Photo Taken	WNS	Wing Score	Wing Photo ID:				
2150	Yes / No							

Remarks:	
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Site Name		Or Number: PA SR6219 Sec 020 Sta 1		Date: 25 SEPT 12	Set No.	Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 119
Height in meters captured above ground surface:		m						
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Transmitter Attached? if so: Frequency (mHz)
PESM	F	A	PR	6.5				
Time of Capture	Photo Taken	WNS	Wing Score	Wing Photo ID:				
2150	Yes / No							

Remarks:		No measurement	
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Site Name		Or Number: PA SR6219 Sec 020 Sta 1		Date: 25 SEPT 12	Set No.	Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman	*Capture Number: 120
Height in meters captured above ground surface:		m						
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Transmitter Attached? if so: Frequency (mHz)
MYSE	M	A	SCR	85	35.4	8.9	15.7	
Time of Capture	Photo Taken	WNS	Wing Score	Wing Photo ID:				
2150	Yes / No							

Remarks:	
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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name		Date: 25 SEPT 12		Set No.		Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 121				
Or Number: PA 586219 50020 541														
Height in meters captured above ground surface:														
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
MYSE	M	A	SR	85	16.9	9.2	35.7	8.2	N	metal	silver	PAG-55894	R	
Time of Capture	Photo Taken	WNS Wing Score	Wing Photo ID:											
2150	Yes / No	Ø	Remarks:											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														
Site Name		Date: 25 SEPT 12		Set No.		Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 122				
Or Number: PA 586219 50020 541														
Height in meters captured above ground surface:														
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
MYLU	F	J	NR	10.5					Y	metal	silver	PAG-55894	L	
Time of Capture	Photo Taken	WNS Wing Score	Wing Photo ID:											
2150	Yes / No		Remarks:											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														
Site Name		Date: 25 SEPT 12		Set No.		Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 123				
Or Number: PA 586219 50020 541														
Height in meters captured above ground surface:														
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
PEJU	M	A	SR	85			36							
Time of Capture	Photo Taken	WNS Wing Score	Wing Photo ID:											
2150	Yes / No	1/P1	Remarks:											

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 526219 Sec 20 skt 1		Date: 25 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 124
Height in meters captured above ground surface:						
Species MYLU	Sex M	Age A	Repro. Condition NR	Wt. (g) NR	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
					Recapture Yes/No Y	Band Material metal
						Band Color silver
						Band Inscription PA66 55873
Time of Capture 2230	Photo Taken Yes / No	WNS Wing Score		Wing Photo ID:		
				Remarks: Reland		
Repro: Condition: NR = nonreproductive; PG = pregnant; L = lactating; PL = post lactating; SCR = scrotal/epididymis swollen						
Site Name Or Number: PA 526219 Sec 20 skt 1		Date: 25 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 125
Height in meters captured above ground surface:						
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 8	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
					Recapture Yes/No	Band Material
						Band Color
						Band Inscription
Time of Capture 2230	Photo Taken Yes / No	WNS Wing Score		Wing Photo ID:		
				Remarks:		
Repro: Condition: NR = nonreproductive; PG = pregnant; L = lactating; PL = post lactating; SCR = scrotal/epididymis swollen						
Site Name Or Number: PA 526219 Sec 20 skt 1		Date: 25 SEPT 12	Set No. Captured In: 01	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 126
Height in meters captured above ground surface:						
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 7.5	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
					Recapture Yes/No	Band Material
						Band Color
						Band Inscription
Time of Capture 2237	Photo Taken Yes / No	WNS Wing Score		Wing Photo ID:		
				Remarks: escaped		
Repro: Condition: NR = nonreproductive; PG = pregnant; L = lactating; PL = post lactating; SCR = scrotal/epididymis swollen						

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR6219 Ser 020 Site 1		Date: 25 SEPT 12		Set No. Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 127	
Height in meters captured above ground surface: 1 m		Repro. Condition: SCR		WNS Wing Score: 0/PI		Photo Taken: Yes / No		Species: PESU	
Sex: M	Age: A	Wt. (g): 7.5	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color
Time of Capture: 2230		WNS Wing Score: 0/PI		Wing Photo ID:		Remarks:		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
								Transmitter Attached? If so: Frequency (mHz)	

Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen

Site Name Or Number: PA SR6219 Ser 020 Site 1		Date: 25 SEPT 12		Set No. Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 128	
Height in meters captured above ground surface: 1 m		Repro. Condition: PR		WNS Wing Score: 0		Photo Taken: Yes / No		Species: PESU	
Sex: F	Age: A	Wt. (g): 7.5	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color
Time of Capture: 2230		WNS Wing Score: 0		Wing Photo ID:		Remarks:		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
								Transmitter Attached? If so: Frequency (mHz)	

Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen

Site Name Or Number: PA SR6219 Ser 020 Site 1		Date: 25 SEPT 12		Set No. Captured In: 01		Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: 129	
Height in meters captured above ground surface: 1 m		Repro. Condition: SCR		WNS Wing Score: 1		Photo Taken: Yes / No		Species: PESU	
Sex: M	Age: A	Wt. (g): 7.5	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color
Time of Capture: 2250		WNS Wing Score: 1		Wing Photo ID:		Remarks:		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
								Transmitter Attached? If so: Frequency (mHz)	

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Page # 44 of **Bat Measurement and Capture Data Form**(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name		Date: <u>25 SEPT 12</u>		Set No.		Name of Person		*Capture Number: <u>132</u>	
Or Number: <u>PA 526219 54020 541</u>				Captured In: <u>01</u>		Identifying the Bat: <u>M.S. Fishman</u>			
Height in meters captured above ground surface:									
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Band Information (if banded)
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>7.5</u>			<u>33.9</u>		(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
									Recapture Yes/No
									Band Material
									Band Color
									Band Inscription
									Band on Left/Right
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID:		Remarks:		Transmitter Attached? If so: Frequency (mHz)	
<u>2250</u>	<u>Yes</u>	<u>0</u>							

Site Name		Date: <u>25 SEPT 12</u>		Set No.		Name of Person		*Capture Number: <u>131</u>	
Or Number: <u>PA 526219 54020 541</u>				Captured In: <u>01</u>		Identifying the Bat: <u>M.S. Fishman</u>			
Height in meters captured above ground surface:									
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Band Information (if banded)
<u>MYLU</u>	<u>F</u>	<u>A</u>	<u>NR</u>	<u>10.5</u>	<u>15.2</u>	<u>7.1</u>	<u>38.9</u>	<u>7.4</u>	(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
									Recapture Yes/No
									Band Material
									Band Color
									Band Inscription
									Band on Left/Right
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID:		Remarks:		Transmitter Attached? If so: Frequency (mHz)	
<u>2250</u>	<u>Yes</u>	<u>1</u>							

Site Name		Date: <u>25 SEPT 12</u>		Set No.		Name of Person		*Capture Number: <u>132</u>	
Or Number: <u>PA 526219 54020 541</u>				Captured In: <u>01</u>		Identifying the Bat: <u>M.S. Fishman</u>			
Height in meters captured above ground surface:									
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Band Information (if banded)
<u>PESU</u>	<u>F</u>	<u>A</u>	<u>PR</u>	<u>7.5</u>			<u>40.2</u>		(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
									Recapture Yes/No
									Band Material
									Band Color
									Band Inscription
									Band on Left/Right
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID:		Remarks:		Transmitter Attached? If so: Frequency (mHz)	
<u>2205</u>	<u>Yes</u>	<u>1</u>							

*Capture Number = number in sequence by site.

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-Site 1</u>	Date: <u>9/26/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A01</u>
Height in meters captured above ground surface:				
Species: <u>MySP</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>7.7</u>	Body Measurements (grams and millimeters): Ear: <u>16.6</u> Tragus: <u>9.7</u> Fore-arm: <u>36.7</u> Hind Foot: <u>7.0</u>	Band Information (if banded): (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>Yes</u> Band Material: <u>White</u> Band Color: <u>Silver</u> Band Inscription: <u>55B51</u> Band on Left/Right: <u>L</u>
Time of Capture: <u>2000</u>	Photo Taken: <u>(Yes)</u> / No	Remarks: <u>WNS = 0</u>		

Site Name Or Number: <u>SR6219-Site 1</u>	Date: <u>9/26/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A02</u>
Height in meters captured above ground surface:				
Species: <u>PESE</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>7.0</u>	Body Measurements (grams and millimeters): Ear: <u>11.9</u> Tragus: <u>7.1</u> Fore-arm: <u>33.6</u> Hind Foot: <u>8.3</u>	Band Information (if banded): (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>No</u> Band Material: <u>—</u> Band Color: <u>—</u> Band Inscription: <u>—</u> Band on Left/Right: <u>—</u>
Time of Capture: <u>2045</u>	Photo Taken: <u>(Yes)</u> / No	Remarks: <u>WNS = 0</u>		

Site Name Or Number: <u>SR6219-Site 1</u>	Date: <u>9/26/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A03</u>
Height in meters captured above ground surface:				
Species: <u>PESU</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>7.5</u>	Body Measurements (grams and millimeters): Ear: <u>14.7</u> Tragus: <u>6.7</u> Fore-arm: <u>34.8</u> Hind Foot: <u>7.9</u>	Band Information (if banded): (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>No</u> Band Material: <u>—</u> Band Color: <u>—</u> Band Inscription: <u>—</u> Band on Left/Right: <u>—</u>
Time of Capture: <u>2105</u>	Photo Taken: <u>(Yes)</u> / No	Remarks: <u>WNS = 0</u>		

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR 6219 site 1</u>		Date: <u>9/26/12</u>		Set No. <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>804</u>				
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Recapture Yes/No <u>No</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (MHz) <u>—</u>				
Species: <u>PESU</u>	Sex: <u>♀</u>	Age: <u>A</u>	Repro. Condition: <u>swollen</u>	Wt. (g): <u>7.0</u>	Ear: <u>12.2</u>	Tragus: <u>7.1</u>	Fore-arm: <u>34.1</u>	Hind Foot: <u>6.5</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Time of Capture: <u>2105</u>		Photo Taken: <u>Yes</u> / No		Remarks: <u>WNS = ∅</u>								

Site Name Or Number: <u>SR 6219 site 1</u>		Date: <u>9/26/12</u>		Set No. <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>805</u>				
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Recapture Yes/No <u>No</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (MHz) <u>—</u>				
Species: <u>PESU</u>	Sex: <u>♂</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>7.0</u>	Ear: <u>12.2</u>	Tragus: <u>6.9</u>	Fore-arm: <u>35.0</u>	Hind Foot: <u>7.9</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Time of Capture: <u>2105</u>		Photo Taken: <u>Yes</u> / No		Remarks: <u>WNS = ∅</u>								

Site Name Or Number: <u>SR 6219 site 1</u>		Date: <u>9-26-12</u>		Set No. <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>806</u>				
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Recapture Yes/No <u>No</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (MHz) <u>—</u>				
Species: <u>PESU</u>	Sex: <u>♀</u>	Age: <u>A</u>	Repro. Condition: <u>swollen</u>	Wt. (g): <u>6.3</u>	Ear: <u>12.5</u>	Tragus: <u>5.9</u>	Fore-arm: <u>32.3</u>	Hind Foot: <u>6.2</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Time of Capture: <u>2130</u>		Photo Taken: <u>Yes</u> / No		Remarks: <u>WNS = ∅</u>								

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR 6219 site 1</u>		Date: <u>9-26-12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A07</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
				Recapture Yes/No <u>NO</u>	Band Material <u>—</u>
				Band Color <u>—</u>	Band Inscription <u>—</u>
				Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (MHz) <u>—</u>
Time of Capture <u>2205</u>	Photo Taken <u>(Yes)</u> / No	Remarks: <u>wns = ∅</u>			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR 6219 site 1</u>		Date: <u>9-26-12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A08</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>vulva swollen</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
				Recapture Yes/No <u>NO</u>	Band Material <u>—</u>
				Band Color <u>—</u>	Band Inscription <u>—</u>
				Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (MHz) <u>—</u>
Time of Capture <u>2215</u>	Photo Taken <u>(Yes)</u> / No	Remarks: <u>wns = ∅</u>			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR 6219 site 1</u>		Date: <u>9-26-12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A09</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>vulva swollen</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
				Recapture Yes/No <u>NO</u>	Band Material <u>—</u>
				Band Color <u>—</u>	Band Inscription <u>—</u>
				Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (MHz) <u>—</u>
Time of Capture <u>2230</u>	Photo Taken <u>(Yes)</u> / No	Remarks: <u>wns = ∅</u>			

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: <u>SR 6219 Site 1</u>	Date: <u>9-26-12</u>	Set No.	Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A10</u>
Height in meters captured above ground surface:					
Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Repro. Condition: <u>swollen</u>	Wt. (g): <u>7.6</u>	Ear: <u>11.1</u>
				Tragus: <u>6.2</u>	Fore-arm: <u>36.3</u>
				Hind Foot: <u>9.1</u>	
Time of Capture: <u>2235</u>	Photo Taken: <u>Yes</u>	No	Remarks: <u>WNS = ϕ</u>	Recapture Yes/No: <u>No</u>	Band Information (if banded) Band Males on bat's RIGHT fa., Females on bat's LEFT fa. Material: <u>-</u> Color: <u>-</u> Band Inscription: <u>-</u> Band on Left/Right: <u>-</u>
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR 6219 Site 1</u>	Date: <u>9-26-12</u>	Set No.	Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A11</u>
Height in meters captured above ground surface:					
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>7.3</u>	Ear: <u>11.8</u>
				Tragus: <u>5.6</u>	Fore-arm: <u>34.6</u>
				Hind Foot: <u>8.5</u>	
Time of Capture: <u>2245</u>	Photo Taken: <u>Yes</u>	No	Remarks: <u>WNS = ϕ</u>	Recapture Yes/No: <u>No</u>	Band Information (if banded) Band Males on bat's RIGHT fa., Females on bat's LEFT fa. Material: <u>-</u> Color: <u>-</u> Band Inscription: <u>-</u> Band on Left/Right: <u>-</u>
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR-6219 Site 1</u>	Date: <u>9-26-12</u>	Set No.	Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A12</u>
Height in meters captured above ground surface:					
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>AR</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>7.2</u>	Ear: <u>12.9</u>
				Tragus: <u>6.4</u>	Fore-arm: <u>34.2</u>
				Hind Foot: <u>8.2</u>	
Time of Capture: <u>2255</u>	Photo Taken: <u>Yes</u>	No	Remarks: <u>WNS = ϕ</u>	Recapture Yes/No: <u>No</u>	Band Information (if banded) Band Males on bat's RIGHT fa., Females on bat's LEFT fa. Material: <u>-</u> Color: <u>-</u> Band Inscription: <u>-</u> Band on Left/Right: <u>-</u>
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR-6219 Site 1</u>		Date: <u>9-26-12</u>		Set No. <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>A13</u>	
Height in meters captured above ground surface: <u>—</u> m		Repro. Condition: <u>SCR</u>		Age: <u>SAD</u>		Sex: <u>M</u>		Species: <u>PESU</u>	
Photo Taken: <u>(Yes)</u> / No		Wt. (g): <u>6.4</u>		Ear: <u>11.3</u>		Tragus: <u>5.9</u>		Fore-arm: <u>33.5</u>	
Hind Foot: <u>8.6</u>		Recapture Yes/No: <u>NO</u>		Band Material: <u>—</u>		Band Color: <u>—</u>		Band Inscription: <u>—</u>	
Band on Left/Right: <u>—</u>		Transmitter Attached? If so: <u>—</u> (mHz)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Recapture Yes/No: <u>NO</u>		Band Material: <u>—</u>	
Band Color: <u>—</u>		Band Inscription: <u>—</u>		Band on Left/Right: <u>—</u>		Transmitter Attached? If so: <u>—</u> (mHz)		Species: <u>PESU</u>	
Time of Capture: <u>2255</u>		Remarks: <u>WNS = ϕ</u>		Photo Taken: <u>(Yes)</u> / No		Wt. (g): <u>6.4</u>		Ear: <u>11.3</u>	
Hind Foot: <u>8.6</u>		Tragus: <u>5.9</u>		Fore-arm: <u>33.5</u>		Recapture Yes/No: <u>NO</u>		Band Material: <u>—</u>	
Band on Left/Right: <u>—</u>		Band Color: <u>—</u>		Band Inscription: <u>—</u>		Band on Left/Right: <u>—</u>		Transmitter Attached? If so: <u>—</u> (mHz)	

Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen

Site Name Or Number: <u>SR-6219 Site 1</u>		Date: <u>9-26-12</u>		Set No. <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>A14</u>	
Height in meters captured above ground surface: <u>—</u> m		Repro. Condition: <u>SCR</u>		Age: <u>A</u>		Sex: <u>M</u>		Species: <u>PESU</u>	
Photo Taken: <u>(Yes)</u> / No		Wt. (g): <u>6.2</u>		Ear: <u>10.1</u>		Tragus: <u>5.8</u>		Fore-arm: <u>33.6</u>	
Hind Foot: <u>8.7</u>		Recapture Yes/No: <u>NO</u>		Band Material: <u>—</u>		Band Color: <u>—</u>		Band Inscription: <u>—</u>	
Band on Left/Right: <u>—</u>		Transmitter Attached? If so: <u>—</u> (mHz)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Recapture Yes/No: <u>NO</u>		Band Material: <u>—</u>	
Band Color: <u>—</u>		Band Inscription: <u>—</u>		Band on Left/Right: <u>—</u>		Transmitter Attached? If so: <u>—</u> (mHz)		Species: <u>PESU</u>	
Time of Capture: <u>2255</u>		Remarks: <u>WNS = ϕ</u>		Photo Taken: <u>(Yes)</u> / No		Wt. (g): <u>6.2</u>		Ear: <u>10.1</u>	
Hind Foot: <u>8.7</u>		Tragus: <u>5.8</u>		Fore-arm: <u>33.6</u>		Recapture Yes/No: <u>NO</u>		Band Material: <u>—</u>	
Band on Left/Right: <u>—</u>		Band Color: <u>—</u>		Band Inscription: <u>—</u>		Band on Left/Right: <u>—</u>		Transmitter Attached? If so: <u>—</u> (mHz)	

Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen

Site Name Or Number: <u>SR-6219 Site 1</u>		Date: <u>9-26-12</u>		Set No. <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>A15</u>	
Height in meters captured above ground surface: <u>—</u> m		Repro. Condition: <u>SCR</u>		Age: <u>A</u>		Sex: <u>M</u>		Species: <u>PESU</u>	
Photo Taken: <u>(Yes)</u> / No		Wt. (g): <u>7.6</u>		Ear: <u>12.8</u>		Tragus: <u>6.0</u>		Fore-arm: <u>35.8</u>	
Hind Foot: <u>7.3</u>		Recapture Yes/No: <u>NO</u>		Band Material: <u>—</u>		Band Color: <u>—</u>		Band Inscription: <u>—</u>	
Band on Left/Right: <u>—</u>		Transmitter Attached? If so: <u>—</u> (mHz)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Recapture Yes/No: <u>NO</u>		Band Material: <u>—</u>	
Band Color: <u>—</u>		Band Inscription: <u>—</u>		Band on Left/Right: <u>—</u>		Transmitter Attached? If so: <u>—</u> (mHz)		Species: <u>PESU</u>	
Time of Capture: <u>2310</u>		Remarks: <u>WNS = ϕ</u>		Photo Taken: <u>(Yes)</u> / No		Wt. (g): <u>7.6</u>		Ear: <u>12.8</u>	
Hind Foot: <u>7.3</u>		Tragus: <u>6.0</u>		Fore-arm: <u>35.8</u>		Recapture Yes/No: <u>NO</u>		Band Material: <u>—</u>	
Band on Left/Right: <u>—</u>		Band Color: <u>—</u>		Band Inscription: <u>—</u>		Band on Left/Right: <u>—</u>		Transmitter Attached? If so: <u>—</u> (mHz)	

(Capture Number = Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

Bat Measurement and Capture Data Form

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(Capture Number= Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: SR 6219 Sk 1		Date: 9-27-12	Set No.	Name of Person Identifying the Bat: Jim Hart		Capture Number: A17
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species Myse	Sex ♀	Age Ad	Repro. Condition —	Wt. (g) 7.9	Ear 15.3	Tragus 7.7
				Fore-arm 35.9	Hind Foot 7.4	
Time of Capture 2015		Photo Taken <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No		Recapture Yes/No Yes	Band Material metal	Band Color silver
Remarks:				Band Inscription SS851	Band on Left/Right L	Transmitter Attached? If so: Frequency (MHz) —

Site Name Or Number: SR 6219 Sk 1		Date: 9-27-12	Set No.	Name of Person Identifying the Bat: Jim Hart		Capture Number: A18
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species PESU	Sex F	Age A	Repro. Condition swollen	Wt. (g) 8.4	Ear 11.3	Tragus 5.6
				Fore-arm 35.6	Hind Foot 6.1	
Time of Capture 2025		Photo Taken <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No		Recapture Yes/No No	Band Material —	Band Color —
Remarks:		1 hole in right wing		Band Inscription —	Band on Left/Right —	Transmitter Attached? If so: Frequency (MHz) —

Site Name Or Number: SR 6219 Sk 1		Date: 9-27-12	Set No.	Name of Person Identifying the Bat: Jim Hart		Capture Number: A19
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species PESU	Sex m	Age A	Repro. Condition NR	Wt. (g) 7.7	Ear 9.8	Tragus 5.6
				Fore-arm 34.2	Hind Foot 7.3	
Time of Capture 2030		Photo Taken <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No		Recapture Yes/No No	Band Material —	Band Color —
Remarks:		small tear in left wing - 5th digit trailing edge of wing		Band Inscription —	Band on Left/Right —	Transmitter Attached? If so: Frequency (MHz) —

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR 6219 Sike</u>		Date: <u>9-27-12</u>	Set No.	Name of Person Identifying the Bat: <u>J.M. Hart</u>		Capture Number: <u>120</u>
Height in meters captured above ground surface:						
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>7.6</u>	<u>14</u>	<u>6.0</u>
Time of Capture	Photo Taken	Remarks:				
<u>2138</u>	<u>Yes</u> / <u>No</u>	<u>wns = 0</u>				
Body Measurements (grams and millimeters) Fore-arm: <u>35.0</u> Hind Foot: <u>7.0</u> Recapture Yes/No: <u>NO</u>						
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Band Material: <u>—</u> Band Color: <u>—</u> Band Inscription: <u>—</u> Band on Left/Right: <u>—</u>						
Transmitter Attached? If so: Frequency (MHz): <u>—</u>						

Site Name Or Number:		Date:	Set No.	Name of Person Identifying the Bat:		Capture Number:
Height in meters captured above ground surface:						
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus
Time of Capture	Photo Taken	Remarks:				
	<u>Yes</u> / <u>No</u>					
Body Measurements (grams and millimeters) Fore-arm: <u>—</u> Hind Foot: <u>—</u> Recapture Yes/No: <u>—</u>						
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Band Material: <u>—</u> Band Color: <u>—</u> Band Inscription: <u>—</u> Band on Left/Right: <u>—</u>						
Transmitter Attached? If so: Frequency (MHz): <u>—</u>						

Site Name Or Number:		Date:	Set No.	Name of Person Identifying the Bat:		Capture Number:
Height in meters captured above ground surface:						
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus
Time of Capture	Photo Taken	Remarks:				
	<u>Yes</u> / <u>No</u>					
Body Measurements (grams and millimeters) Fore-arm: <u>—</u> Hind Foot: <u>—</u> Recapture Yes/No: <u>—</u>						
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Band Material: <u>—</u> Band Color: <u>—</u> Band Inscription: <u>—</u> Band on Left/Right: <u>—</u>						
Transmitter Attached? If so: Frequency (MHz): <u>—</u>						

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis* spp., (2) *Myotis* spp., (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR0219-020-01</u>		Date: <u>9/28/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A21</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>Eng</u>	Wt. (g) <u>73</u>	Body Measurements (grams and millimeters)
				Ear <u>12.7</u>	Fore-arm <u>35.6</u>
				Tragus <u>5.3</u>	Hind Foot <u>6.7</u>
Time of Capture <u>1945</u>		Photo Taken <u>Yes</u> / No	Remarks: <u>WAS = 0</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR0219-020-01</u>		Date: <u>9/28/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A22</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>TD</u>	Wt. (g) <u>70</u>	Body Measurements (grams and millimeters)
				Ear <u>11.9</u>	Fore-arm <u>34.4</u>
				Tragus <u>6.2</u>	Hind Foot <u>6.7</u>
Time of Capture <u>1945</u>		Photo Taken <u>Yes</u> / No	Remarks: <u>WAS = 0</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR0219-020-01</u>		Date: <u>9/28/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A23</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>TD</u>	Wt. (g) <u>8.6</u>	Body Measurements (grams and millimeters)
				Ear <u>11.8</u>	Fore-arm <u>37.6</u>
				Tragus <u>7.2</u>	Hind Foot <u>9.3</u>
Time of Capture <u>1945</u>		Photo Taken <u>Yes</u> / No	Remarks: <u>WAS = 0</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR0219-020-01</u>		Date: <u>9/28/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A23</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>TD</u>	Wt. (g) <u>8.6</u>	Body Measurements (grams and millimeters)
				Ear <u>11.8</u>	Fore-arm <u>37.6</u>
				Tragus <u>7.2</u>	Hind Foot <u>9.3</u>
Time of Capture <u>1945</u>		Photo Taken <u>Yes</u> / No	Remarks: <u>WAS = 0</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					

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Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020 site 1</u>		Date: <u>9/28/12</u>		Set No. Captured In:		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>824</u>	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Fore- arm		Hind Foot		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>TD</u>	Wt. (g) <u>7.4</u>	Ear <u>12.0</u>	Tragus <u>5.3</u>	Fore- arm <u>33.1</u>	Hind Foot <u>7.8</u>	Recapture Yes/No <u>0</u>
Time of Capture <u>2020</u>		Photo Taken <u>Yes</u> / No		Remarks: <u>WWS=0</u>		Band Material <u>—</u>		Band Color <u>—</u>	
Band Inscription <u>—</u>		Band Left/Right <u>—</u>		Transmitter Attached? If so: Frequency (mHz) <u>—</u>					

Site Name Or Number: <u>SR6219020-01</u>		Date: <u>9/28/12</u>		Set No. Captured In:		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>825</u>	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Fore- arm		Hind Foot		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>TD</u>	Wt. (g) <u>5.7</u>	Ear <u>12.9</u>	Tragus <u>6.4</u>	Fore- arm <u>34.9</u>	Hind Foot <u>7.7</u>	Recapture Yes/No <u>0</u>
Time of Capture <u>2020</u>		Photo Taken <u>Yes</u> / No		Remarks: <u>WWS=0 Small tear left wing</u>		Band Material <u>—</u>		Band Color <u>—</u>	
Band Inscription <u>—</u>		Band Left/Right <u>—</u>		Transmitter Attached? If so: Frequency (mHz) <u>—</u>					

Site Name Or Number: <u>SR6219-020-01</u>		Date: <u>9/28/12</u>		Set No. Captured In:		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>826</u>	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Fore- arm		Hind Foot		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>TD</u>	Wt. (g) <u>10.0</u>	Ear <u>10.3</u>	Tragus <u>6.2</u>	Fore- arm <u>36.7</u>	Hind Foot <u>7.2</u>	Recapture Yes/No <u>0</u>
Time of Capture <u>2030</u>		Photo Taken <u>Yes</u> / No		Remarks: <u>WWS=0 Rt. wing, small scard left 4</u>		Band Material <u>metal silver</u>		Band Color <u>55899</u>	
Band Inscription <u>—</u>		Band Left/Right <u>—</u>		Transmitter Attached? If so: Frequency (mHz) <u>—</u>					

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: SR6219-020-01	Date: 9/28/12	Set No. Captured In: —	Name of Person Identifying the Bat: Jim Hart	Capture Number: A27
Height in meters captured above ground surface: —				
Species: PESU	Sex: F	Age: A	Repro. Condition: Swollen	Transmitter Attached? If so: Frequency (mHz) —
Time of Capture: 2030	Photo Taken: Yes	Remarks: WPS=0		
<p>Body Measurements (grams and millimeters)</p> <p>Wt. (g) 6.5 Ear 11.7 Tragus 7.0 Fore-arm 34.0 Hind Foot 5.9</p>				
<p>Band Information (if banded)</p> <p>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)</p> <p>Recapture Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Band Material — Band Color — Band Inscription — Band on Left/Right —</p>				
<p>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</p>				
Site Name Or Number: SR6219-020-01	Date: 9/28/12	Set No. Captured In: —	Name of Person Identifying the Bat: Jim Hart	Capture Number: A28
Height in meters captured above ground surface: —				
Species: PESU	Sex: M	Age: A	Repro. Condition: TD	Transmitter Attached? If so: Frequency (mHz) —
Time of Capture: 2030	Photo Taken: Yes	Remarks: WPS=0		
<p>Body Measurements (grams and millimeters)</p> <p>Wt. (g) 6.9 Ear 10.7 Tragus 6.6 Fore-arm 33.4 Hind Foot 6.1</p>				
<p>Band Information (if banded)</p> <p>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)</p> <p>Recapture Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Band Material — Band Color — Band Inscription — Band on Left/Right —</p>				
<p>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</p>				
Site Name Or Number: SR6219-020-01	Date: 9/28/12	Set No. Captured In: —	Name of Person Identifying the Bat: Jim Hart	Capture Number: A29
Height in meters captured above ground surface: —				
Species: PESU	Sex: F	Age: A	Repro. Condition: SW	Transmitter Attached? If so: Frequency (mHz) —
Time of Capture: 2030	Photo Taken: Yes	Remarks: WPS=0		
<p>Body Measurements (grams and millimeters)</p> <p>Wt. (g) 6.8 Ear 13.3 Tragus 6.6 Fore-arm 36.3 Hind Foot 7.2</p>				
<p>Band Information (if banded)</p> <p>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)</p> <p>Recapture Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Band Material — Band Color — Band Inscription — Band on Left/Right —</p>				
<p>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</p>				
<p>Remarks: Teal in A B wing from bat's foot/twe 12.11</p>				

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: SR6219-020-01		Date: 10/1/12	Set No. Captured In: —	Name of Person Identifying the Bat: Jim Hart	Capture Number: A30
Height in meters captured above ground surface: — m					
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 6.6	Body Measurements (grams and millimeters)
				Ear 15.9	Tragus 6.5
				Fore-arm 34.4	Hind Foot 7.2
Time of Capture 1975		Photo Taken <input checked="" type="radio"/> Yes / <input type="radio"/> No		Remarks: WNS=0	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
			Recapture Yes/No <input checked="" type="radio"/> Yes	Band Material —	Band Color —
				Band Inscription —	Band on Left/Right —
Transmitter Attached? If so: Frequency (mHz) —					

Bat observed exiting mine when captured

Site Name Or Number: SR6219-020-01		Date: 10/1/12	Set No. Captured In: —	Name of Person Identifying the Bat: Jim Hart	Capture Number: A31
Height in meters captured above ground surface: — m					
Species MYSE	Sex —	Age —	Repro. Condition —	Wt. (g) 7.4	Body Measurements (grams and millimeters)
				Ear 16.7	Tragus 10.2
				Fore-arm 35.4	Hind Foot 6.9
Time of Capture 2000		Photo Taken <input checked="" type="radio"/> Yes / <input type="radio"/> No		Remarks: WNS=0	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
			Recapture Yes/No <input checked="" type="radio"/> Yes	Band Material metal	Band Color Silver
				Band Inscription PAGE	Band on Left/Right —
Transmitter Attached? If so: Frequency (mHz) —					

Site Name Or Number: SR6219-020-01		Date: 10/1/12	Set No. Captured In: —	Name of Person Identifying the Bat: Jim Hart	Capture Number: A32
Height in meters captured above ground surface: — m					
Species PESU	Sex F	Age A	Repro. Condition Swollen	Wt. (g) 6.6	Body Measurements (grams and millimeters)
				Ear 12.6	Tragus 6.2
				Fore-arm 32.9	Hind Foot 7.2
Time of Capture 2000		Photo Taken <input checked="" type="radio"/> Yes / <input type="radio"/> No		Remarks: WNS=0	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
			Recapture Yes/No <input checked="" type="radio"/> Yes	Band Material —	Band Color —
				Band Inscription —	Band on Left/Right —
Transmitter Attached? If so: Frequency (mHz) —					

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-01</u>	Date: <u>10/11/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>133</u>
Height in meters captured above ground surface:				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>6.8</u>
Photo Taken: <u>Yes</u>	Ear: <u>13.2</u>	Tragus: <u>6.2</u>	Fore-arm: <u>32.8</u>	Hind Foot: <u>8.0</u>
Time of Capture: <u>2010</u>	Remarks: <u>WNS=0</u>			
Body Measurements (grams and millimeters) Recapture Yes/No: <u>NO</u> Band Material: <u>—</u> Band Color: <u>—</u> Band Inscription: <u>—</u> Band on Left/Right: <u>—</u>				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>NO</u> Band Material: <u>—</u> Band Color: <u>—</u> Band Inscription: <u>—</u> Band on Left/Right: <u>—</u>				
Transmitter Attached? If so: Frequency (mHz): <u>—</u>				
Name of Person Identifying the Bat: <u>Jim Hart</u> Capture Number: <u>134</u>				
Site Name Or Number: <u>SR6219-020-01</u>	Date: <u>10/11/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>134</u>
Height in meters captured above ground surface:				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>6.6</u>
Photo Taken: <u>Yes</u>	Ear: <u>12.6</u>	Tragus: <u>6.9</u>	Fore-arm: <u>32.5</u>	Hind Foot: <u>8.9</u>
Time of Capture: <u>2015</u>	Remarks: <u>WNS=0</u>			
Body Measurements (grams and millimeters) Recapture Yes/No: <u>NO</u> Band Material: <u>—</u> Band Color: <u>—</u> Band Inscription: <u>—</u> Band on Left/Right: <u>—</u>				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>NO</u> Band Material: <u>—</u> Band Color: <u>—</u> Band Inscription: <u>—</u> Band on Left/Right: <u>—</u>				
Transmitter Attached? If so: Frequency (mHz): <u>—</u>				
Name of Person Identifying the Bat: <u>Jim Hart</u> Capture Number: <u>135</u>				
Site Name Or Number: <u>SR6219-020-01</u>	Date: <u>10/11/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>135</u>
Height in meters captured above ground surface:				
Species: <u>MVLU</u>	Sex: <u>F</u>	Age: <u>Ad</u>	Repro. Condition: <u>Swollen</u>	Wt. (g): <u>7.3</u>
Photo Taken: <u>Yes</u>	Ear: <u>12.2</u>	Tragus: <u>6.5</u>	Fore-arm: <u>33.6</u>	Hind Foot: <u>6.9</u>
Time of Capture: <u>2020</u>	Remarks: <u>WNS=0</u>			
Body Measurements (grams and millimeters) Recapture Yes/No: <u>NO</u> Band Material: <u>Metel</u> Band Color: <u>Silver</u> Band Inscription: <u>PAGAL 55888</u> Band on Left/Right: <u>—</u>				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>NO</u> Band Material: <u>Metel</u> Band Color: <u>Silver</u> Band Inscription: <u>PAGAL 55888</u> Band on Left/Right: <u>—</u>				
Transmitter Attached? If so: Frequency (mHz): <u>—</u>				
Name of Person Identifying the Bat: <u>Jim Hart</u> Capture Number: <u>135</u>				

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: SR6219-020-1		Date: 10/1/12	Set No. Captured In: —	Name of Person Identifying the Bat: Jim Hart	Capture Number: A36
Height in meters captured above ground surface: — m					
Species PESU	Sex M	Age A	Repro. Condition SCR	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
				Recapture Yes/No Y	Band Material —
				Band Color —	Band Inscription —
				Band on Left/Right —	Transmitter Attached? If so: Frequency (mHz) —
Body Measurements (grams and millimeters)					
Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	
7.7	13.5	5.9	35.5	6.9	
Time of Capture 2020					
Remarks: WNS=0					

Site Name Or Number: SR6219-020-1		Date: 10/1/12	Set No. Captured In: —	Name of Person Identifying the Bat: Jim Hart	Capture Number: 37
Height in meters captured above ground surface: — m					
Species MYLU	Sex M	Age A	Repro. Condition SCR	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
				Recapture Yes/No Y	Band Material —
				Band Color Silver	Band Inscription PAGC 55866
				Band on Left/Right —	Transmitter Attached? If so: Frequency (mHz) —
Body Measurements (grams and millimeters)					
Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	
	13.4	5.9	37.8	6.7	
Time of Capture 2050					
Remarks: WNS=0					

Site Name Or Number: SR6219-020-1		Date: 10/1/12	Set No. Captured In: —	Name of Person Identifying the Bat: Jim Hart	Capture Number: A38
Height in meters captured above ground surface: — m					
Species MYSE	Sex M	Age A	Repro. Condition SCR	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
				Recapture Yes/No Y	Band Material —
				Band Color Silver	Band Inscription PAGC 55866
				Band on Left/Right R	Transmitter Attached? If so: Frequency (mHz) —
Body Measurements (grams and millimeters)					
Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	
9.0	13.8	7.8	36.0	7.6	
Time of Capture 2050					
Remarks: WNS=0					

Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6Z19-020-1</u>		Date: <u>10/1/12</u>	Set No.		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>39</u>
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Band Information (if banded)		Transmitter Attached? If so: Frequency (mHz) <u>—</u>	
Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Repro. Condition: <u>Swollen</u>	Wt. (g): <u>7.8</u>	Ear: <u>13.1</u>	Tragus: <u>6.4</u>	Fore-arm: <u>36.3</u>
Time of Capture: <u>2050</u>	Photo Taken: <u>Yes</u> / No	Remarks: <u>WNS=0</u>		Band Information (if banded)		Transmitter Attached? If so: Frequency (mHz) <u>—</u>	
Time of Capture: <u>2050</u>		Remarks: <u>near right wing</u>		Band Information (if banded)		Transmitter Attached? If so: Frequency (mHz) <u>—</u>	

Site Name Or Number: <u>SR6Z19-020-1</u>		Date: <u>10/1/12</u>	Set No.		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>40</u>
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Band Information (if banded)		Transmitter Attached? If so: Frequency (mHz) <u>—</u>	
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>6.6</u>	Ear: <u>13.2</u>	Tragus: <u>7.4</u>	Fore-arm: <u>34.2</u>
Time of Capture: <u>2050</u>	Photo Taken: <u>Yes</u> / No	Remarks: <u>WNS=0</u>		Band Information (if banded)		Transmitter Attached? If so: Frequency (mHz) <u>—</u>	

Site Name Or Number: <u>SR6Z19-020-1</u>		Date: <u>10/1/12</u>	Set No.		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>41</u>
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Band Information (if banded)		Transmitter Attached? If so: Frequency (mHz) <u>—</u>	
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>Sub</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>6.6</u>	Ear: <u>12.0</u>	Tragus: <u>6.5</u>	Fore-arm: <u>34.6</u>
Time of Capture: <u>2050</u>	Photo Taken: <u>Yes</u> / No	Remarks: <u>WNS=0</u>		Band Information (if banded)		Transmitter Attached? If so: Frequency (mHz) <u>—</u>	

See right wing

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>		Set No. <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>442</u>	
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Recapture Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz) <u>—</u>	
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.6</u>	Ear <u>12.6</u>	Tragus <u>7.4</u>	Fore-arm <u>32.4</u>	Hind Foot <u>7.5</u>	Band Material <u>—</u> Color <u>—</u> Inscription <u>—</u>
Time of Capture <u>2050</u>		Photo Taken <input checked="" type="radio"/> Yes <input type="radio"/> No		Remarks: <u>WWS=0</u>					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen									
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>		Set No. <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>443</u>	
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Recapture Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz) <u>—</u>	
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.7</u>	Ear <u>12.8</u>	Tragus <u>7.1</u>	Fore-arm <u>34.4</u>	Hind Foot <u>8.0</u>	Band Material <u>—</u> Color <u>—</u> Inscription <u>—</u>
Time of Capture <u>2055</u>		Photo Taken <input checked="" type="radio"/> Yes <input type="radio"/> No		Remarks: <u>WWS=0</u>					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen									
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>		Set No. <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>444</u>	
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Recapture Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz) <u>—</u>	
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>11.2</u>	Ear <u>6.3</u>	Tragus <u>33.4</u>	Fore-arm <u>7.6</u>	Hind Foot <u>7.6</u>	Band Material <u>—</u> Color <u>—</u> Inscription <u>—</u>
Time of Capture <u>2055</u>		Photo Taken <input checked="" type="radio"/> Yes <input type="radio"/> No		Remarks: <u>WWS=0</u>					

Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No.	Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>445</u>								
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)			Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)									
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? if so: Frequency (MHz)
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>7.6</u>	<u>12.8</u>	<u>6.6</u>	<u>35.2</u>	<u>7.6</u>	<u>NO</u>					
Time of Capture	Photo Taken		Remarks:											
<u>2120</u>	<u>Yes</u> / <u>No</u>		<u>WNS=0</u>		<u>2 Holes in Left wing</u>									
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No.	Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>446</u>								
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)			Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)									
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? if so: Frequency (MHz)
<u>PESU</u>	<u>F</u>	<u>A</u>	<u>Sooty</u>	<u>6.4</u>	<u>12.3</u>	<u>5.8</u>	<u>32.9</u>	<u>6.8</u>	<u>NO</u>					
Time of Capture	Photo Taken		Remarks:											
<u>2120</u>	<u>Yes</u> / <u>No</u>		<u>WNS=0</u>											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No.	Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>447</u>								
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)			Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)									
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? if so: Frequency (MHz)
<u>MYSE</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>8.9</u>	<u>17.7</u>	<u>10.5</u>	<u>34.3</u>	<u>7.8</u>	<u>NO</u>	<u>Metal</u>	<u>Silver</u>	<u>55897</u>	<u>R</u>	
Time of Capture	Photo Taken		Remarks:											
<u>2120</u>	<u>Yes</u> / <u>No</u>		<u>WNS=0</u>											

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A48</u>
Height in meters captured above ground surface: <u>—</u>					
Species <u>MYSE</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.7</u>	Ear <u>16.8</u>
				Tragus <u>9.7</u>	Fore-arm <u>34.9</u>
				Hind Foot <u>7.1</u>	
Remarks: <u>Left wing tear in trailing edge between 4th & 5th digit</u>					
Time of Capture <u>2120</u>					
WWS=0					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A49</u>
Height in meters captured above ground surface: <u>—</u>					
Species <u>MYSE</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.5</u>	Ear <u>17.2</u>
				Tragus <u>7.7</u>	Fore-arm <u>34.8</u>
				Hind Foot <u>5.7</u>	
Remarks: <u>WWS=0</u>					
Time of Capture <u>2140</u>					
WWS=0					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A50</u>
Height in meters captured above ground surface: <u>—</u>					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>8.2</u>	Ear <u>13.0</u>
				Tragus <u>6.8</u>	Fore-arm <u>38.4</u>
				Hind Foot <u>6.9</u>	
Remarks: <u>Small tear trailing edge left wing</u>					
Time of Capture <u>2140</u>					
WWS=0					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: SRG219-020-1		Date: 10/1/12		Set No.		Name of Person Identifying the Bat: Jim Hart		Capture Number: 51					
Height in meters captured above ground surface: — m		Body Measurements (grams and millimeters)		Recapture Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz) —					
Species MXSE	Sex F	Age A	Repro. Condition Sol	Wt. (g) 7.4	Ear 13.9	Tragus 9.8	Fore-arm 35.4	Hind Foot 7.4	Band Silver	Material Silver	Color Silver	Inscription PAGE	Band on Left/Right L
Time of Capture 2140		Photo Taken Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Remarks: WNS=0									

Site Name Or Number: SRG219-020-1		Date: 10/1/12		Set No.		Name of Person Identifying the Bat: Jim Hart		Capture Number: 52					
Height in meters captured above ground surface: — m		Body Measurements (grams and millimeters)		Recapture Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz) —					
Species PESU	Sex F	Age A	Repro. Condition Sol	Wt. (g) 7.2	Ear 11.3	Tragus 6.8	Fore-arm 35.7	Hind Foot 6.6	Band —	Material —	Color —	Inscription —	Band on Left/Right —
Time of Capture 2140		Photo Taken Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Remarks: WNS=0									

Site Name Or Number: SRG219-020-1		Date: 10/1/12		Set No.		Name of Person Identifying the Bat: Jim Hart		Capture Number: 53					
Height in meters captured above ground surface: — m		Body Measurements (grams and millimeters)		Recapture Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz) —					
Species PESU	Sex M	Age SA	Repro. Condition SLR	Wt. (g) 7.2	Ear 12.6	Tragus 6.8	Fore-arm 33.6	Hind Foot 6.4	Band —	Material —	Color —	Inscription —	Band on Left/Right —
Time of Capture 2140		Photo Taken Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Remarks: WNS=0									

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A34</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SLR</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
				Recapture Yes/No <u>0</u>	Band Material <u>—</u>
				Band Color <u>—</u>	Band Inscription <u>—</u>
				Band on Left/Right <u>—</u>	Transmitter Attached? if so: Frequency (MHz) <u>—</u>
Time of Capture <u>2140</u>	Photo Taken <u>(Yes)</u> / No	Wt. (g) <u>6.5</u>	Fore- arm <u>34.4</u>	Hind Foot <u>7.0</u>	Remarks: <u>WNS=0</u>
Body Measurements (grams and millimeters)					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A35</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SLR</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
				Recapture Yes/No <u>0</u>	Band Material <u>—</u>
				Band Color <u>—</u>	Band Inscription <u>—</u>
				Band on Left/Right <u>—</u>	Transmitter Attached? if so: Frequency (MHz) <u>—</u>
Time of Capture <u>2140</u>	Photo Taken <u>(Yes)</u> / No	Wt. (g) <u>6.3</u>	Fore- arm <u>35.4</u>	Hind Foot <u>6.8</u>	Remarks: <u>WNS=0</u>
Body Measurements (grams and millimeters)					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A36</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SLR</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
				Recapture Yes/No <u>0</u>	Band Material <u>Metal</u>
				Band Color <u>Silver</u>	Band Inscription <u>PAGE 5583</u>
				Band on Left/Right <u>R</u>	Transmitter Attached? if so: Frequency (MHz) <u>—</u>
Time of Capture <u>2210</u>	Photo Taken <u>(Yes)</u> / No	Wt. (g) <u>8.3</u>	Fore- arm <u>35.5</u>	Hind Foot <u>7.3</u>	Remarks: <u>WNS=0</u>
Body Measurements (grams and millimeters)					

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Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name		Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No.	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>A57</u>
Height in meters captured above ground surface:		m		Captured In:				
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot
<u>PESU</u>	<u>F</u>	<u>A</u>	<u>Swollen</u>	<u>8.3</u>	<u>11.5</u>	<u>5.4</u>	<u>35.6</u>	<u>6.5</u>
Time of Capture	Photo Taken	Remarks:						
<u>2215</u>	<u>Yes</u> / <u>No</u>	<u>WNS=0</u>						
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes <u>No</u> Band Material <u>—</u> Band Color <u>—</u> Band Inscription <u>—</u> Band on Left/Right <u>—</u>								
Transmitter Attached? If so: Frequency (mHz) <u>—</u>								

Site Name		Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No.	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>A58</u>
Height in meters captured above ground surface:		m		Captured In:				
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>					
Time of Capture	Photo Taken	Remarks:						
<u>2215</u>	<u>Yes</u> / <u>No</u>	<u>WNS=0</u>						
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes <u>No</u> Band Material <u>—</u> Band Color <u>—</u> Band Inscription <u>—</u> Band on Left/Right <u>—</u>								
Transmitter Attached? If so: Frequency (mHz) <u>—</u>								

Site Name		Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No.	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>A59</u>
Height in meters captured above ground surface:		m		Captured In:				
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot
<u>PESU</u>	<u>F</u>	<u>A</u>	<u>Swollen</u>	<u>6.6</u>	<u>11.3</u>	<u>5.3</u>	<u>34.6</u>	<u>7.0</u>
Time of Capture	Photo Taken	Remarks:						
<u>2215</u>	<u>Yes</u> / <u>No</u>	<u>WNS=0</u>						
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes <u>No</u> Band Material <u>—</u> Band Color <u>—</u> Band Inscription <u>—</u> Band on Left/Right <u>—</u>								
Transmitter Attached? If so: Frequency (mHz) <u>—</u>								

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: SR6219-020-1		Date: 10/1/12	Set No.	Captured In:	Name of Person Identifying the Bat: Jim Hart	Capture Number: 162
Height in meters captured above ground surface: — m						
Species MYLU	Sex F	Age A	Repro. Condition Swollen	Wt. (g) 17.7	Body Measurements (grams and millimeters)	
				Ear 12.5	Tragus 6.3	Fore-arm 37.4
				Hind Foot 7.1		
Time of Capture 2240		Photo Taken Yes / No		Remarks: WNS=0		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: SR6219-020-1		Date: 10/1/12	Set No.	Captured In:	Name of Person Identifying the Bat: Jim Hart	Capture Number: 161
Height in meters captured above ground surface: — m						
Species PESU	Sex F	Age Sub	Repro. Condition Swollen	Wt. (g) 10.7	Body Measurements (grams and millimeters)	
				Ear 10.7	Tragus 5.6	Fore-arm 36.1
				Hind Foot 7.0		
Time of Capture 2255		Photo Taken Yes / No		Remarks: Hole right wing WNS=0		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: SR6219-020-1		Date: 10/1/12	Set No.	Captured In:	Name of Person Identifying the Bat: Jim Hart	Capture Number: 162
Height in meters captured above ground surface: — m						
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 60.1	Body Measurements (grams and millimeters)	
				Ear 12.1	Tragus 5.6	Fore-arm 32.5
				Hind Foot 7.3		
Time of Capture 2255		Photo Taken Yes / No		Remarks: Hole Left wing WNS=0		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: SR6219-020-1		Date: 10/1/12	Set No.	Captured In:	Name of Person Identifying the Bat: Jim Hart	Capture Number: 162
Height in meters captured above ground surface: — m						
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 60.1	Body Measurements (grams and millimeters)	
				Ear 12.1	Tragus 5.6	Fore-arm 32.5
				Hind Foot 7.3		
Time of Capture 2255		Photo Taken Yes / No		Remarks: Hole Left wing WNS=0		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020</u>		Date: <u>10/1/12</u>		Set No. <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>63</u>	
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Fore- arm		Hind Foot		Transmitter Attached? If so: Frequency (MHz) <u>—</u>	
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Band Material	Band Color
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>6.9</u>	<u>12.4</u>	<u>6.0</u>	<u>33.6</u>	<u>—</u>	<u>—</u>
Time of Capture		Photo Taken		Remarks:					
<u>2310</u>		<u>Yes / No</u>		<u>WNS=0</u>					

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>		Set No. <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>64</u>	
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Fore- arm		Hind Foot		Transmitter Attached? If so: Frequency (MHz) <u>—</u>	
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Band Material	Band Color
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>7.1</u>	<u>11.9</u>	<u>6.6</u>	<u>34.9</u>	<u>—</u>	<u>—</u>
Time of Capture		Photo Taken		Remarks:					
<u>2325</u>		<u>Yes / No</u>		<u>WNS=0</u>					

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>		Set No. <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>65</u>	
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Fore- arm		Hind Foot		Transmitter Attached? If so: Frequency (MHz) <u>—</u>	
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Band Material	Band Color
<u>PESU</u>	<u>F</u>	<u>A</u>	<u>Swollen</u>	<u>7.7</u>	<u>10.8</u>	<u>5.4</u>	<u>36.2</u>	<u>—</u>	<u>—</u>
Time of Capture		Photo Taken		Remarks:					
<u>2325</u>		<u>Yes / No</u>		<u>WNS=0</u>					

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>A66</u>
Height in meters captured above ground surface: <u>—</u> m		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Species <u>PE3U</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>6.5</u>	Ear <u>10.3</u>	Tragus <u>8.8</u>
Time of Capture <u>2325</u>		Photo Taken <u>Yes</u> / <u>No</u>	Remarks: <u>WXS=0</u>	Fore- arm <u>33.0</u>	Hind Foot <u>7.3</u>	Recapture Yes/No <u>No</u>
				Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>
				Transmitter Attached? If so: Frequency (mHz) <u>—</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/1/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>A67</u>
Height in meters captured above ground surface: <u>—</u> m		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>8.1</u>	Ear <u>13.5</u>	Tragus <u>8.0</u>
Time of Capture <u>2330</u>		Photo Taken <u>Yes</u> / <u>No</u>	Remarks: <u>WXS=0</u>	Fore- arm <u>37.1</u>	Hind Foot <u>7.1</u>	Recapture Yes/No <u>No</u>
				Band Material <u>Metal</u>	Band Color <u>Silver</u>	Band Inscription <u>PAGE 55985</u>
				Transmitter Attached? If so: Frequency (mHz) <u>—</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: <u>—</u>		Date: <u>—</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>—</u>		Capture Number: <u>—</u>
Height in meters captured above ground surface: <u>—</u> m		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Species <u>—</u>	Sex <u>—</u>	Age <u>—</u>	Repro. Condition <u>—</u>	Wt. (g) <u>—</u>	Ear <u>—</u>	Tragus <u>—</u>
Time of Capture <u>—</u>		Photo Taken <u>—</u> / <u>—</u>	Remarks: <u>—</u>	Fore- arm <u>—</u>	Hind Foot <u>—</u>	Recapture Yes/No <u>—</u>
				Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>
				Transmitter Attached? If so: Frequency (mHz) <u>—</u>		

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>A68</u>
Height in meters captured above ground surface: <u>—</u> m						
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>Suollen</u>	Wt. (g) <u>7.5</u>	Ear <u>11.1</u>	Tragus <u>5.6</u>
Time of Capture <u>1930</u>		Photo Taken <u>Yes</u> / No	Body Measurements (grams and millimeters)		Fore-arm <u>35.6</u>	
Remarks: <u>WXS=0</u>		Hind Foot <u>7.1</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
				Recapture Yes <u>No</u>	Band Material <u>—</u>	Band Color <u>—</u>
				Band Inscription <u>—</u>	Band on Left/Right <u>—</u>	Transmitter Attached? if so: Frequency (mHz) <u>—</u>
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>A69</u>
Height in meters captured above ground surface: <u>—</u> m						
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>6.6</u>	Ear <u>11.0</u>	Tragus <u>6.0</u>
Time of Capture <u>1945</u>		Photo Taken <u>Yes</u> / No	Body Measurements (grams and millimeters)		Fore-arm <u>34.1</u>	
Remarks: <u>WXS=0</u>		Hind Foot <u>6.7</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
				Recapture Yes <u>No</u>	Band Material <u>—</u>	Band Color <u>—</u>
				Band Inscription <u>—</u>	Band on Left/Right <u>—</u>	Transmitter Attached? if so: Frequency (mHz) <u>—</u>
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>A70</u>
Height in meters captured above ground surface: <u>—</u> m						
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>12.4</u>	Ear <u>6.9</u>	Tragus <u>34.6</u>
Time of Capture <u>1945</u>		Photo Taken <u>Yes</u> / No	Body Measurements (grams and millimeters)		Fore-arm <u>6.9</u>	
Remarks: <u>WXS=0</u>		Hind Foot <u>6.9</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
				Recapture Yes <u>No</u>	Band Material <u>—</u>	Band Color <u>—</u>
				Band Inscription <u>—</u>	Band on Left/Right <u>—</u>	Transmitter Attached? if so: Frequency (mHz) <u>—</u>

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>		Set No. Captured In: <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>871</u>	
Height in meters captured above ground surface: <u>—</u> m									
Species <u>MYSE</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>8.3</u>	Ear <u>—</u>	Tragus <u>—</u>	Fore-arm <u>—</u>	Hind Foot <u>—</u>	Body Measurements (grams and millimeters)
Photo Taken Yes <u>(No)</u>		Remarks: <u>WUS=0</u>							
Time of Capture <u>2200</u>									
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)									
Recapture Yes/No <u>(No)</u>	Band Material <u>Metal</u>	Band Color <u>Silve</u>	Band Inscription <u>PAGC 55872</u>	Band on Left/Right <u>Left</u>	Transmitter Attached? If so: Frequency (MHz) <u>—</u>				

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>		Set No. Captured In: <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>872</u>	
Height in meters captured above ground surface: <u>—</u> m									
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.4</u>	Ear <u>11.3</u>	Tragus <u>6.0</u>	Fore-arm <u>35.2</u>	Hind Foot <u>8.5</u>	Body Measurements (grams and millimeters)
Photo Taken Yes <u>(No)</u>		Remarks: <u>WUS=0</u>							
Time of Capture <u>2200</u>									
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)									
Recapture Yes/No <u>(No)</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>	Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (MHz) <u>—</u>				

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>		Set No. Captured In: <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>873</u>	
Height in meters captured above ground surface: <u>—</u> m									
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.3</u>	Ear <u>13.7</u>	Tragus <u>6.1</u>	Fore-arm <u>34.6</u>	Hind Foot <u>7.8</u>	Body Measurements (grams and millimeters)
Photo Taken Yes <u>(No)</u>		Remarks: <u>WUS=0</u>							
Time of Capture <u>2020</u>									
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)									
Recapture Yes/No <u>(No)</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>	Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (MHz) <u>—</u>				

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Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A74</u>
Height in meters captured above ground surface: <u>—</u> m				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Wt. (g) <u>7.5</u>	Ear <u>13.6</u>	Tragus <u>7.1</u>	Fore-arm <u>32.4</u>	Recapture Yes/No <u>(No)</u>
Hind Foot <u>7.3</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>	Band on Left/Right <u>—</u>
Time of Capture <u>2020</u>	Photo Taken <u>(Yes)</u> / No	Remarks: <u>WNS=0</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A75</u>
Height in meters captured above ground surface: <u>—</u> m				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Wt. (g) <u>6.5</u>	Ear <u>12.8</u>	Tragus <u>6.3</u>	Fore-arm <u>33.4</u>	Recapture Yes/No <u>(No)</u>
Hind Foot <u>7.8</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>	Band on Left/Right <u>—</u>
Time of Capture <u>2020</u>	Photo Taken <u>(Yes)</u> / No	Remarks: <u>WNS=0</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>A76</u>
Height in meters captured above ground surface: <u>—</u> m				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Wt. (g) <u>7.6</u>	Ear <u>11.5</u>	Tragus <u>5.2</u>	Fore-arm <u>34.4</u>	Recapture Yes/No <u>(No)</u>
Hind Foot <u>7.4</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>	Band on Left/Right <u>—</u>
Time of Capture <u>2020</u>	Photo Taken <u>(Yes)</u> / No	Remarks: <u>Hole center of Right wing</u> <u>WNS=0</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

(Capture Number= Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>		Set No. Captured In: <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>877</u>	
Height in meters captured above ground surface: <u>—</u> m									
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
<u>PESU</u>	<u>F</u>	<u>A</u>	<u>Sodden</u>	<u>7.1</u>	<u>12.2</u>	<u>5.6</u>	<u>35.8</u>	<u>7.1</u>	Recapture Yes/No <u>0</u> Band Material <u>—</u> Band Color <u>—</u> Band Inscription <u>—</u> Band on Left/Right <u>—</u>
Time of Capture <u>2030</u>		Photo Taken <u>Yes</u> / <u>No</u>		Remarks: <u>WNS=0</u>					

Site Name Or Number: <u>Jim Hart</u>		Date: <u>10/2/12</u>		Set No. Captured In: <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>878</u>	
Height in meters captured above ground surface: <u>—</u> m									
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
<u>PESU</u>	<u>F</u>	<u>A</u>	<u>Sodden</u>	<u>7.7</u>	<u>11.0</u>	<u>5.7</u>	<u>37.1</u>	<u>7.3</u>	Recapture Yes/No <u>0</u> Band Material <u>—</u> Band Color <u>—</u> Band Inscription <u>—</u> Band on Left/Right <u>—</u>
Time of Capture <u>2030</u>		Photo Taken <u>Yes</u> / <u>No</u>		Remarks: <u>WNS=0</u>					

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>		Set No. Captured In: <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>879</u>	
Height in meters captured above ground surface: <u>—</u> m									
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SLR</u>	<u>6.1</u>	<u>13.2</u>	<u>5.2</u>	<u>31.7</u>	<u>6.6</u>	Recapture Yes/No <u>0</u> Band Material <u>—</u> Band Color <u>—</u> Band Inscription <u>—</u> Band on Left/Right <u>—</u>
Time of Capture <u>2030</u>		Photo Taken <u>Yes</u> / <u>No</u>		Remarks: <u>Heart shaped tear left wing membrane</u> <u>WNS=0</u>					

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>82</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>MYSE</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.1</u>	Ear <u>16.4</u>
Photo Taken <u>Yes</u> / <u>No</u>		Tragus <u>8.2</u>	Fore- arm <u>6.3</u>	Hind Foot <u>6.9</u>	Recapture Yes <u>No</u>
Time of Capture <u>2045</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Material <u>Metal</u> Color <u>Silver</u> Band <u>PAGE 55956</u> Inscription <u>—</u> Band on Left/Right <u>—</u>			
Remarks: <u>WNS=0</u>					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>82</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>6.6</u>	Ear <u>12.1</u>
Photo Taken <u>Yes</u> / <u>No</u>		Tragus <u>6.0</u>	Fore- arm <u>33.4</u>	Hind Foot <u>5.5</u>	Recapture Yes <u>No</u>
Time of Capture <u>2045</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Material <u>—</u> Color <u>—</u> Band <u>—</u> Inscription <u>—</u> Band on Left/Right <u>—</u>			
Remarks: <u>WNS=0</u>					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>82</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.2</u>	Ear <u>12.1</u>
Photo Taken <u>Yes</u> / <u>No</u>		Tragus <u>6.3</u>	Fore- arm <u>34.0</u>	Hind Foot <u>7.4</u>	Recapture Yes <u>No</u>
Time of Capture <u>2045</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Material <u>—</u> Color <u>—</u> Band <u>—</u> Inscription <u>—</u> Band on Left/Right <u>—</u>			
Remarks: <u>Small tears right wing</u> <u>WNS=0</u>					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number:	Date:	Set No.	Captured In:	Name of Person Identifying the Bat:	Capture Number:
SR6219-020-1	10/2/12			Jim Hart	183
Height in meters captured above ground surface:					
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear
PESU	M	A	SCR	7.0	11.8
Tragus	5.9	31.4	7.9		
Fore-arm					
Hind Foot					
Band Information (if banded)					
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Yes/No					
Time of Capture	Photo Taken	Remarks:			
2045	Yes/No	WWS=D			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotol/epididymis swollen					
SR6219-020-1	10/2/12			Jim Hart	184
Height in meters captured above ground surface:					
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear
MYLU	F	A	SCR	7.2	11.1
Tragus	6.7	33.5	7.7		
Fore-arm					
Hind Foot					
Band Information (if banded)					
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Yes/No	Metal	Silver	PHGC 55888		
Time of Capture	Photo Taken	Remarks:			
2110	Yes/No	WWS=O			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotol/epididymis swollen					
SR6219-020-1	10/2/12			Jim Hart	185
Height in meters captured above ground surface:					
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear
PESU	M	A	SCR	7.1	8.8
Tragus	5.3	33.3	6.9		
Fore-arm					
Hind Foot					
Band Information (if banded)					
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Yes/No					
Time of Capture	Photo Taken	Remarks:			
2110	Yes/No	WWS=O			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotol/epididymis swollen					

Hole left wing @ trailing edge between digits 4 & 5

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>486</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>Swollen</u>	Wt. (g) <u>7.1</u>	Body Measurements (grams and millimeters)
					Ear <u>11.0</u>
					Tragus <u>5.6</u>
					Fore-arm <u>35.2</u>
					Hind Foot <u>8.0</u>
Time of Capture <u>2110</u>	Photo Taken <u>Yes</u> / <u>No</u>	Remarks: <u>WMS=0</u>			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>487</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.0</u>	Body Measurements (grams and millimeters)
					Ear <u>10.5</u>
					Tragus <u>5.3</u>
					Fore-arm <u>33.5</u>
					Hind Foot <u>7.4</u>
Time of Capture <u>2110</u>	Photo Taken <u>Yes</u> / <u>No</u>	Remarks: <u>WMS=0</u>			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>488</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.0</u>	Body Measurements (grams and millimeters)
					Ear <u>11.1</u>
					Tragus <u>5.9</u>
					Fore-arm <u>34.8</u>
					Hind Foot <u>6.9</u>
Time of Capture <u>2110</u>	Photo Taken <u>Yes</u> / <u>No</u>	Remarks: <u>Small tear in both wings @ trailing edge. Right @ tip of wing</u> <u>WMS=0</u>			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>889</u>								
Height in meters captured above ground surface: <u>—</u> m		Set No. Captured In: <u>—</u>		Transmitter Attached? If so: Frequency (MHz) <u>—</u>									
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore- arm	Hind Foot	Tragus	Ear	Band Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>6.4</u>	<u>33.5</u>	<u>8.2</u>	<u>6.1</u>	<u>10.7</u>	<u>Yes</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Time of Capture	Photo Taken	Remarks:											
<u>2110</u>	<u>Yes</u> / <u>No</u>	<u>WUS=0</u> <u>Tear in Right wing between digits 4 and 5</u>											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen													
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>890</u>								
Height in meters captured above ground surface: <u>—</u> m		Set No. Captured In: <u>—</u>		Transmitter Attached? If so: Frequency (MHz) <u>—</u>									
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore- arm	Hind Foot	Tragus	Ear	Band Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
<u>MYSE</u>	<u>M</u>	<u>Sub</u>	<u>SCR</u>	<u>7.8</u>	<u>35.6</u>	<u>7.5</u>	<u>10.2</u>	<u>13.5</u>	<u>Yes</u>	<u>Metal Shred</u>	<u>—</u>	<u>PAGE 55957</u>	<u>Left/Right</u>
Time of Capture	Photo Taken	Remarks:											
<u>2130</u>	<u>Yes</u> / <u>No</u>	<u>WUS=1</u> <u>Tear between 4th and hole @ trailing edge between digit 3rd on Right wing. Scar between digit 4 and 5 @ trailing edge on Left wing.</u>											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen													
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>891</u>								
Height in meters captured above ground surface: <u>—</u> m		Set No. Captured In: <u>—</u>		Transmitter Attached? If so: Frequency (MHz) <u>—</u>									
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore- arm	Hind Foot	Tragus	Ear	Band Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>7.3</u>	<u>35.1</u>	<u>8.2</u>	<u>6.3</u>	<u>12.8</u>	<u>Yes</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Time of Capture	Photo Taken	Remarks:											
<u>2130</u>	<u>Yes</u> / <u>No</u>	<u>WUS=0</u>											

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>897</u>							
Height in meters captured above ground surface: <u>—</u>		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)										
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.4</u>	Ear <u>12.2</u>	Tragus <u>5.8</u>	Fore-arm <u>33.1</u>	Hind Foot <u>7.1</u>	Recapture Yes/No <u>0</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>	Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (mHz) <u>—</u>
Time of Capture <u>2130</u>		Photo Taken <u>(Yes) / No</u>		Remarks: <u>WNS=0</u>										
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>893</u>							
Height in meters captured above ground surface: <u>—</u>		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)										
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.0</u>	Ear <u>10.4</u>	Tragus <u>5.6</u>	Fore-arm <u>33.7</u>	Hind Foot <u>7.3</u>	Recapture Yes/No <u>0</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>	Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (mHz) <u>—</u>
Time of Capture <u>2130</u>		Photo Taken <u>(Yes) / No</u>		Remarks: <u>Pin hole in Rt wing @ trailing edge between digits 4 & 5</u>										
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>894</u>							
Height in meters captured above ground surface: <u>—</u>		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)										
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>Swollen</u>	Wt. (g) <u>6.5</u>	Ear <u>10.8</u>	Tragus <u>5.7</u>	Fore-arm <u>32.9</u>	Hind Foot <u>8.6</u>	Recapture Yes/No <u>0</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>	Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (mHz) <u>—</u>
Time of Capture <u>2150</u>		Photo Taken <u>(Yes) / No</u>		Remarks: <u>WNS=0</u>										
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														

COMMONWEALTH OF PENNSYLVANIA
Pennsylvania Game Commission

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>998</u>
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? if so: Frequency (mHz) <u>—</u>	
Species <u>PERU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>Swollen</u>	Wt. (g) <u>6.5</u>	Ear <u>12.1</u>	Tragus <u>5.3</u>	Fore-arm <u>34.3</u>
Time of Capture <u>2150</u>	Photo Taken <u>Yes</u> / No	Remarks: <u>WNS=0</u>		Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>	Band on Left/Right <u>—</u>
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen							
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>998</u>
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? if so: Frequency (mHz) <u>—</u>	
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>8.1</u>	Ear <u>12.4</u>	Tragus <u>5.4</u>	Fore-arm <u>37.3</u>
Time of Capture <u>2200</u>	Photo Taken <u>Yes</u> / No	Remarks: <u>WNS=0</u>		Band Material <u>Metal</u>	Band Color <u>Silver</u>	Band Inscription <u>PAGC 55758</u>	Band on Left/Right <u>R</u>
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen							
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>		Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>997</u>
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? if so: Frequency (mHz) <u>—</u>	
Species <u>PERU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.1</u>	Ear <u>12.2</u>	Tragus <u>5.4</u>	Fore-arm <u>33.5</u>
Time of Capture <u>2200</u>	Photo Taken <u>Yes</u> / No	Remarks: <u>WNS=0</u>		Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>	Band on Left/Right <u>—</u>
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen							

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: SR6219-020	Date: 10/2/12	Set No. Captured In:	Name of Person Identifying the Bat: Jim Hart				Capture Number: 198						
Height in meters captured above ground surface: — m	Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				Transmitter Attached? If so: Frequency (mHz)						
Species: PESU	Sex: M	Age: A	Wt. (g): 7.0	Ear: 12.8	Tragus: 5.3	Fore-arm: 34.6	Hind Foot: 7.2	Recapture Yes/No: 0	Band Material: —	Band Color: —	Band Inscription: —	Band on Left/Right: —	—
Time of Capture: 2200	Photo Taken: Yes	Repro. Condition: SCR	Remarks: Tear in Left wing between digits 3+4 WNS=0										
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen													
Site Name Or Number: SR6219-020-1	Date: 10/2/12	Set No. Captured In:	Name of Person Identifying the Bat: Jim Hart				Capture Number: 199						
Height in meters captured above ground surface: — m	Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				Transmitter Attached? If so: Frequency (mHz)						
Species: PESU	Sex: M	Age: A	Wt. (g): 7.3	Ear: 12.8	Tragus: 6.5	Fore-arm: 34.5	Hind Foot: 6.6	Recapture Yes/No: 0	Band Material: —	Band Color: —	Band Inscription: —	Band on Left/Right: —	—
Time of Capture: 2200	Photo Taken: Yes	Repro. Condition: SCR	Remarks: Two holes in Left wing WNS=0										
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen													
Site Name Or Number: SR6219-020-1	Date: 10/2/12	Set No. Captured In:	Name of Person Identifying the Bat: Jim Hart				Capture Number: 200						
Height in meters captured above ground surface: — m	Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				Transmitter Attached? If so: Frequency (mHz)						
Species: MYSE	Sex: M	Age: A	Wt. (g): 7.7	Ear: 15.8	Tragus: 8.2	Fore-arm: 35.6	Hind Foot: 8.0	Recapture Yes/No: 0	Band Material: Metal	Band Color: Silver	Band Inscription: PHACC SS989	Band on Left/Right: —	—
Time of Capture: 2220	Photo Taken: Yes	Repro. Condition: SCR	Remarks: Hole in Left wing near body. Tear trailing edge Rt wing between digits 3+4 and 4+5 WNS=0										

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Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>W01</u>
Height in meters captured above ground surface:					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>Sub</u>	Repro. Condition <u>SCR</u>	Band Information (if banded) (Band Males on bat's <u>RIGHT</u> fa., Females on bat's <u>LEFT</u> fa.)	
Time of Capture <u>2220</u>	Photo Taken <u>Yes</u> / No	Wt. (g) <u>7.4</u>	Ear <u>11.9</u>	Tragus <u>6.2</u>	Fore-arm <u>34.0</u>
Remarks: <u>WWS=0</u>		Foot <u>7.3</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>
		Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (MHz) <u>—</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>W02</u>
Height in meters captured above ground surface:					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Band Information (if banded) (Band Males on bat's <u>RIGHT</u> fa., Females on bat's <u>LEFT</u> fa.)	
Time of Capture <u>2220</u>	Photo Taken <u>Yes</u> / No	Wt. (g) <u>7.6</u>	Ear <u>11.1</u>	Tragus <u>5.5</u>	Fore-arm <u>35.8</u>
Remarks: <u>WWS=0</u>		Foot <u>6.5</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>
		Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (MHz) <u>—</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>W03</u>
Height in meters captured above ground surface:					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Band Information (if banded) (Band Males on bat's <u>RIGHT</u> fa., Females on bat's <u>LEFT</u> fa.)	
Time of Capture <u>2240</u>	Photo Taken <u>Yes</u> / No	Wt. (g) <u>7.0</u>	Ear <u>12.6</u>	Tragus <u>6.1</u>	Fore-arm <u>33.6</u>
Remarks: <u>WWS=0</u>		Foot <u>8.1</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>
		Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (MHz) <u>—</u>		

Tear between digits 445 left wing

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>104</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.5</u>	Body Measurements (grams and millimeters)
				Ear <u>11.8</u>	Tragus <u>5.4</u>
				Fore- arm <u>35.2</u>	Hind Foot <u>7.1</u>
Time of Capture <u>2240</u>		Photo Taken <u>Yes</u> / No		Remarks: <u>WWS=0</u>	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>105</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.5</u>	Body Measurements (grams and millimeters)
				Ear <u>10.5</u>	Tragus <u>5.0</u>
				Fore- arm <u>33.6</u>	Hind Foot <u>6.9</u>
Time of Capture <u>2300</u>		Photo Taken <u>Yes</u> / No		Remarks: <u>WWS=0</u>	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>106</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>Swollen</u>	Wt. (g) <u>7.6</u>	Body Measurements (grams and millimeters)
				Ear <u>11.8</u>	Tragus <u>6.5</u>
				Fore- arm <u>35.9</u>	Hind Foot <u>7.2</u>
Time of Capture <u>2300</u>		Photo Taken <u>Yes</u> / No		Remarks: <u>WWS=0</u>	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					

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Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>107</u>									
Height in meters captured above ground surface:		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)												
Species	Sex	Age	Repro. Condition	Wt. (g)	Body Measurements (grams and millimeters)									
					Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? if so: Frequency (MHz)
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>7.0</u>	<u>12.8</u>	<u>5.6</u>	<u>34.4</u>	<u>8.3</u>	<u>0</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Time of Capture	Photo Taken		Remarks:											
<u>2320</u>	<u>Yes / No</u>		<u>WVS = 0</u>											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>108</u>									
Height in meters captured above ground surface:		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)												
Species	Sex	Age	Repro. Condition	Wt. (g)	Body Measurements (grams and millimeters)									
					Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? if so: Frequency (MHz)
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>6.6</u>	<u>10.2</u>	<u>5.6</u>	<u>33.2</u>	<u>6.5</u>	<u>0</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Time of Capture	Photo Taken		Remarks:											
<u>2330</u>	<u>Yes / No</u>		<u>WVS = 0</u>											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/2/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>109</u>									
Height in meters captured above ground surface:		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)												
Species	Sex	Age	Repro. Condition	Wt. (g)	Body Measurements (grams and millimeters)									
					Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? if so: Frequency (MHz)
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>6.6</u>	<u>10.2</u>	<u>5.6</u>	<u>33.2</u>	<u>6.5</u>	<u>0</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Time of Capture	Photo Taken		Remarks:											
<u>2330</u>	<u>Yes / No</u>		<u>WVS = 0</u>											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 6219 Site 01	Date: 03 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B2
Height in meters captured above ground surface: 2 m					
Species: PESU	Sex: F	Age: A	Repro. Condition: PL	Wt. (g): 8.0	Transmitter Attached? If so: Frequency (MHz)
Time of Capture: 19:40	Photo Taken: <input checked="" type="radio"/> Yes / <input type="radio"/> No	WNS Wing Score: 1	Remarks:		
Body Measurements (grams and millimeters) Ear: Tragus: Fore-arm: 34.4 Hind Foot:					
Band Information (if banded) Recapture Yes/No: N Band Material: Band Color: Band Inscription: Band on Left/Right:					

Site Name Or Number: PA SR 6219 Site 01	Date: 03 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B2
Height in meters captured above ground surface: 1 m					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.0	Transmitter Attached? If so: Frequency (MHz)
Time of Capture: 19:40	Photo Taken: <input checked="" type="radio"/> Yes / <input type="radio"/> No	WNS Wing Score: 0/1	Remarks:		
Body Measurements (grams and millimeters) Ear: Tragus: Fore-arm: 34.2 Hind Foot:					
Band Information (if banded) Recapture Yes/No: N Band Material: Band Color: Band Inscription: Band on Left/Right:					

Site Name Or Number: PA SR 6219 Site 01	Date: 03 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B003
Height in meters captured above ground surface: m					
Species: EPFU	Sex: F	Age: A	Repro. Condition: PL	Wt. (g): 25.5	Transmitter Attached? If so: Frequency (MHz)
Time of Capture: 19:55	Photo Taken: <input checked="" type="radio"/> Yes / <input type="radio"/> No	WNS Wing Score: 0	Remarks:		
Body Measurements (grams and millimeters) Ear: 16.0 Tragus: 6.0 Fore-arm: 50.3 Hind Foot: 9.0					
Band Information (if banded) Recapture Yes/No: N Band Material: Band Color: Band Inscription: Band on Left/Right:					

*Capture Number = number in sequence by site.

2
300
1/5
2/5

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: PA SR 6219 Site 01		Date: 03 October 2012		Set No. 1		Name of Person Identifying the Bat: MS Fishman		*Capture Number: 3006			
Height in meters captured above ground surface: 1 m											
Species PESU	Sex F	Age A	Repro. Condition PL	Wt. (g) -	Ear	Tragus	Fore-arm 37.4	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: N	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Band Material: Band Color: Band Inscription: Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture 19:55		Photo Taken Yes / No		WNS Wing Score 1		Wing Photo ID:		Remarks:			
Repro: Condition: NR nonreproductive, PG pregnant, L lactating, PL post-lactating, SCR= serotalepididymis swollen											
Site Name Or Number: PA SR 6219 Site 01		Date: 03 October 2012		Set No. 1		Name of Person Identifying the Bat: MS Fishman		*Capture Number: 3005			
Height in meters captured above ground surface: 1 m											
Species EPFU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 22.0	Ear	Tragus	Fore-arm 47.2	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: N	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Band Material: Band Color: Band Inscription: Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture 20:25		Photo Taken Yes / No		WNS Wing Score 1		Wing Photo ID:		Remarks:			
Repro: Condition: NR nonreproductive, PG pregnant, L lactating, PL post-lactating, SCR= serotalepididymis swollen											
Site Name Or Number: PA SR 6219 Site 01		Date: 03 October 2012		Set No. 1		Name of Person Identifying the Bat: MS Fishman		*Capture Number: 3006			
Height in meters captured above ground surface: m											
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 7.5	Ear	Tragus	Fore-arm 33.2	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: N	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Band Material: Band Color: Band Inscription: Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture 20:25		Photo Taken Yes / No		WNS Wing Score 0		Wing Photo ID:		Remarks:			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 6219 Site 01	Date: 03 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B007
Height in meters captured above ground surface: 1 m					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.0	Transmitter Attached? if so: Frequency (MHz):
Time of Capture: 20:25	Photo Taken: Yes	WNS Wing Score: 0/P1	Fore-arm (mm): 32.9	Tragus (mm):	Ear (mm):
Wing Photo ID:					
Remarks:					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: PA SR 6219 Site 01	Date: 03 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B008
Height in meters captured above ground surface: 1 m					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.5	Transmitter Attached? if so: Frequency (MHz):
Time of Capture: 20:25	Photo Taken: Yes	WNS Wing Score: 1/P2	Fore-arm (mm): 34.2	Tragus (mm):	Ear (mm):
Wing Photo ID:					
Remarks:					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: PA SR 6219 Site 01	Date: 03 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B009
Height in meters captured above ground surface: 1 m					
Species: MYSE	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 8.5	Transmitter Attached? if so: Frequency (MHz):
Time of Capture: 20:55	Photo Taken: Yes	WNS Wing Score: 0	Fore-arm (mm):	Tragus (mm):	Ear (mm):
Wing Photo ID:					
Remarks:					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 6219 Site 01</u>	Date: <u>03 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>Bo12</u>
Height in meters captured above ground surface: <u>1</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	WNS Wing Score: <u>8.0</u>
Photo Taken: <u>(Yes) / No</u>	Wing Photo ID: <u>20:55</u>	Wing Photo ID: <u>20:55</u>	Wing Photo ID: <u>20:55</u>	Wing Photo ID: <u>20:55</u>
Body Measurements (grams and millimeters)	Fore-arm: <u>34.7</u>	Hind Foot: <u> </u>	Tragus: <u> </u>	Ear: <u> </u>
Recapture: <u>Yes/No</u>	Band Material: <u> </u>	Band Color: <u> </u>	Band Inscription: <u> </u>	Band on Left/Right: <u> </u>
Transmitter Attached? if so: <u> </u> (mHz)				
Remarks: <u>Right wing, 3rd digit broken and healed near tip</u>				
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>PA SR 6219 Site 01</u>	Date: <u>03 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>Bo11</u>
Height in meters captured above ground surface: <u>1</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	WNS Wing Score: <u>7.5</u>
Photo Taken: <u>(Yes) / No</u>	Wing Photo ID: <u>20:55</u>	Wing Photo ID: <u>20:55</u>	Wing Photo ID: <u>20:55</u>	Wing Photo ID: <u>20:55</u>
Body Measurements (grams and millimeters)	Fore-arm: <u>34.5</u>	Hind Foot: <u> </u>	Tragus: <u> </u>	Ear: <u> </u>
Recapture: <u>Yes/No</u>	Band Material: <u> </u>	Band Color: <u> </u>	Band Inscription: <u> </u>	Band on Left/Right: <u> </u>
Transmitter Attached? if so: <u> </u> (mHz)				
Remarks: <u> </u>				
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>PA SR 6219 Site 01</u>	Date: <u>03 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>Bo12</u>
Height in meters captured above ground surface: <u>1</u> m				
Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Repro. Condition: <u>PL</u>	WNS Wing Score: <u>8.5</u>
Photo Taken: <u>(Yes) / No</u>	Wing Photo ID: <u>21:20</u>	Wing Photo ID: <u>21:20</u>	Wing Photo ID: <u>21:20</u>	Wing Photo ID: <u>21:20</u>
Body Measurements (grams and millimeters)	Fore-arm: <u>35.6</u>	Hind Foot: <u> </u>	Tragus: <u> </u>	Ear: <u> </u>
Recapture: <u>Yes/No</u>	Band Material: <u> </u>	Band Color: <u> </u>	Band Inscription: <u> </u>	Band on Left/Right: <u> </u>
Transmitter Attached? if so: <u> </u> (mHz)				
Remarks: <u> </u>				
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 6219 Sike 01</u>		Date: <u>03 October 2012</u>	Set No. <u>1</u>	Captured In: <u>MS Fishman</u>		*Capture Number: <u>B013</u>	
Height in meters captured above ground surface:							
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Hind Foot	Transmitter Attached? If so: Frequency (mHz)
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>9.5</u>	<u>34.9</u>		
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID:			
<u>21:30</u>	<u>Yes</u> / No			Remarks:			
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen							
Site Name Or Number: <u>PA SR 6219 Sike 01</u>		Date: <u>03 October 2012</u>	Set No. <u>1</u>	Captured In: <u>MS Fishman</u>		*Capture Number: <u>B014</u>	
Height in meters captured above ground surface:							
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Hind Foot	Transmitter Attached? If so: Frequency (mHz)
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>8.0</u>	<u>34.9</u>		
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID:			
<u>21:30</u>	<u>Yes</u> / No			Remarks: <u>Large hole right wing</u>			
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen							
Site Name Or Number: <u>PA SR 6219 Sike 01</u>		Date: <u>03 October 2012</u>	Set No. <u>1</u>	Captured In: <u>MS Fishman</u>		*Capture Number: <u>B015</u>	
Height in meters captured above ground surface:							
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Hind Foot	Transmitter Attached? If so: Frequency (mHz)
<u>MYLU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>11.0</u>	<u>36.4</u>	<u>7.5</u>	
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID:			
<u>21:50</u>	<u>Yes</u> / No			Remarks:			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 6219 Site 01</u>		Date: <u>03 October 2012</u>		Set No. <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>306</u>	
Height in meters captured above ground surface: <u>1</u> m									
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.5</u>	Fore- arm <u>34.2</u>	Tragus	Ear	Band Material <u> </u>	Band Color <u> </u>
Time of Capture <u>21:50</u>		Photo Taken <u>(Yes) / No</u>		WNS Wing Score <u>0.1P4</u>		Wing Photo ID: Remarks:			
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = postlactating, <u>SCR</u> = serotalepididymis swollen									
Site Name Or Number: <u>PA SR 6219 Site 01</u>		Date: <u>03 October 2012</u>		Set No. <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>3017</u>	
Height in meters captured above ground surface: <u>1</u> m									
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>6.5</u>	Fore- arm <u>35.8</u>	Tragus	Ear	Band Material <u> </u>	Band Color <u> </u>
Time of Capture <u>21:50</u>		Photo Taken <u>(Yes) / No</u>		WNS Wing Score <u>0.1P3</u>		Wing Photo ID: Remarks:			
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = postlactating, <u>SCR</u> = serotalepididymis swollen									
Site Name Or Number: <u>PA SR 6219 Site 01</u>		Date: <u>03 October 2012</u>		Set No. <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>3018</u>	
Height in meters captured above ground surface: <u>1</u> m									
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>PL</u>	Wt. (g) <u>8.3</u>	Fore- arm <u>35.0</u>	Tragus	Ear	Band Material <u> </u>	Band Color <u> </u>
Time of Capture <u>21:50</u>		Photo Taken <u>(Yes) / No</u>		WNS Wing Score <u>0</u>		Wing Photo ID: Remarks:			
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = postlactating, <u>SCR</u> = serotalepididymis swollen									

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 6219 Site 001	Date: 03 October 2012	Set No. 1	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: B019
Height in meters captured above ground surface:					
Species MYLE	Sex F	Age A	Repro. Condition NR	Wt. (g) 7.5	Ear 14.1
Body Measurements (grams and millimeters)			Fore-arm 32.3	Hind Foot 7.0	Transmitter Attached? If so: Frequency (mHz)
Band Information (if banded)			Recapture Yes/No N	Band Material Metal	Band Color Silver
Band Information (if banded)			Band on Left/Right Left	Band on Left/Right Left	Band on Left/Right Left
Time of Capture 22:15	Photo Taken <input checked="" type="radio"/> Yes / <input type="radio"/> No	WNS Wing Score 0	Wing Photo ID: Remarks:		
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrota/epididymis-swollen					
Site Name Or Number: PA SR 6219 Site 001	Date: 03 October 2012	Set No. 1	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: B020
Height in meters captured above ground surface:					
Species MYLU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 9.5	Ear 13.6
Body Measurements (grams and millimeters)			Fore-arm 40.5	Hind Foot 8.3	Transmitter Attached? If so: Frequency (mHz)
Band Information (if banded)			Recapture Yes/No N	Band Material Metal	Band Color Silver
Band Information (if banded)			Band on Left/Right Right	Band on Left/Right Right	Band on Left/Right Right
Time of Capture 22:15	Photo Taken <input checked="" type="radio"/> Yes / <input type="radio"/> No	WNS Wing Score 0/PL	Wing Photo ID: Remarks:		
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrota/epididymis-swollen					
Site Name Or Number: PA SR 6219 Site 001	Date: 03 October 2012	Set No. 1	Name of Person Identifying the Bat: M.S. Fishman		*Capture Number: B021
Height in meters captured above ground surface:					
Species MYLU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 11.5	Ear 13.9
Body Measurements (grams and millimeters)			Fore-arm 38.4	Hind Foot 8.5	Transmitter Attached? If so: Frequency (mHz)
Band Information (if banded)			Recapture Yes/No N	Band Material Metal	Band Color Silver
Band Information (if banded)			Band on Left/Right Right	Band on Left/Right Right	Band on Left/Right Right
Time of Capture 22:15	Photo Taken <input checked="" type="radio"/> Yes / <input type="radio"/> No	WNS Wing Score 0/PL	Wing Photo ID: Remarks:		

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 6219 Site 001</u>	Date: <u>03 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>M.S. Fishman</u>	*Capture Number: <u>6022</u>
Height in meters captured above ground surface: <u>1 m</u>	Repro. Condition: <u>NR</u>	Sec: <u>020</u>	Site: <u>001</u>	
Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Wt. (g): <u>6.5</u>	Recapture Yes/No: <u>N</u>
Photo Taken: <u>(Yes) / No</u>	WNS Wing Score: <u>0/p1</u>	Fore-arm (mm): <u> </u>	Hind Foot (mm): <u> </u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Band Material: <u> </u> Band Color: <u> </u> Band Inscription: <u> </u>
Time of Capture: <u>22:15</u>	Wing Photo ID: <u> </u>	Tragus (mm): <u> </u>	Ear (mm): <u> </u>	Transmitter Attached? If so: <u> </u> (mHz)
Remarks: <u> </u>				
Repro. Condition: <u>NR</u> nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotalepididymis swollen				
Site Name Or Number: <u>PA SR 6219 Site 001</u>	Date: <u>03 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>M.S. Fishman</u>	*Capture Number: <u>6023</u>
Height in meters captured above ground surface: <u>1 m</u>	Repro. Condition: <u>NR</u>	Sec: <u>020</u>	Site: <u>001</u>	
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Wt. (g): <u>7.5</u>	Recapture Yes/No: <u>N</u>
Photo Taken: <u>(Yes) / No</u>	WNS Wing Score: <u>0/p2</u>	Fore-arm (mm): <u>33.5</u>	Hind Foot (mm): <u> </u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Band Material: <u> </u> Band Color: <u> </u> Band Inscription: <u> </u>
Time of Capture: <u>22:15</u>	Wing Photo ID: <u> </u>	Tragus (mm): <u> </u>	Ear (mm): <u> </u>	Transmitter Attached? If so: <u> </u> (mHz)
Remarks: <u> </u>				
Repro. Condition: <u>NR</u> nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotalepididymis swollen				
Site Name Or Number: <u>PA SR 6219 Site 001</u>	Date: <u>03 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>M.S. Fishman</u>	*Capture Number: <u>6024</u>
Height in meters captured above ground surface: <u>1 m</u>	Repro. Condition: <u>NR</u>	Sec: <u>020</u>	Site: <u>001</u>	
Species: <u>MYSE</u>	Sex: <u>M</u>	Age: <u>A</u>	Wt. (g): <u>9.5</u>	Recapture Yes/No: <u>N</u>
Photo Taken: <u>(Yes) / No</u>	WNS Wing Score: <u>1</u>	Fore-arm (mm): <u>36.0</u>	Hind Foot (mm): <u>7.7</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Band Material: <u>Metal</u> Band Color: <u>Silver</u> Band Inscription: <u>PAGE 55963</u>
Time of Capture: <u>23:00</u>	Wing Photo ID: <u> </u>	Tragus (mm): <u>9.3</u>	Ear (mm): <u>16.6</u>	Transmitter Attached? If so: <u> </u> (mHz)
Remarks: <u> </u>				

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Site 001</u>		Date: <u>03 October 2012</u>		Set No. <u>1</u>		Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B025</u>	
Height in meters captured above ground surface: <u>1</u> m		Repro. Condition: <u>NR</u>		Wt. (g): <u>7.0</u>		Fore-arm (mm): <u>35.5</u>		Tragus (mm): <u>35.5</u>		Hind Foot (mm): <u>35.5</u>	
Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Photo Taken: <u>(Yes)</u> / No	WNS Wing Score: <u>(17)</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)						
					Recapture Yes/No: <u>N</u>	Band Material: <u></u>	Band Color: <u></u>	Band Inscription: <u></u>	Band on Left/Right: <u></u>	Transmitter Attached? If so: Frequency (mHz): <u></u>	
Time of Capture: <u>23:00</u>		Photo Taken: <u>(Yes)</u> / No		WNS Wing Score: <u>(17)</u>		Remarks: <u>Left wing deep tear inside 4th digit</u>					

Site Name Or Number: <u>PA SR 2619 Site 001</u>		Date: <u>03 October 2012</u>		Set No. <u>1</u>		Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B026</u>	
Height in meters captured above ground surface: <u>1</u> m		Repro. Condition: <u>NR</u>		Wt. (g): <u>7.5</u>		Fore-arm (mm): <u>32.6</u>		Tragus (mm): <u>32.6</u>		Hind Foot (mm): <u>32.6</u>	
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Photo Taken: <u>(Yes)</u> / No	WNS Wing Score: <u>1</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)						
					Recapture Yes/No: <u>N</u>	Band Material: <u></u>	Band Color: <u></u>	Band Inscription: <u></u>	Band on Left/Right: <u></u>	Transmitter Attached? If so: Frequency (mHz): <u></u>	
Time of Capture: <u>23:00</u>		Photo Taken: <u>(Yes)</u> / No		WNS Wing Score: <u>1</u>		Remarks: <u></u>					

Site Name Or Number: <u>PA SR 2619 Site 001</u>		Date: <u>03 October 2012</u>		Set No. <u>1</u>		Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B027</u>	
Height in meters captured above ground surface: <u>1</u> m		Repro. Condition: <u>NR</u>		Wt. (g): <u>8.5</u>		Fore-arm (mm): <u>36.1</u>		Tragus (mm): <u>36.1</u>		Hind Foot (mm): <u>36.1</u>	
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Photo Taken: <u>(Yes)</u> / No	WNS Wing Score: <u>0</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)						
					Recapture Yes/No: <u>N</u>	Band Material: <u></u>	Band Color: <u></u>	Band Inscription: <u></u>	Band on Left/Right: <u></u>	Transmitter Attached? If so: Frequency (mHz): <u></u>	
Time of Capture: <u>23:00</u>		Photo Taken: <u>(Yes)</u> / No		WNS Wing Score: <u>0</u>		Remarks: <u></u>					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>03 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B028</u>
Height in meters captured above ground surface: <u>1</u> m					
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>8.0</u>	Transmitter Attached? If so: Frequency (MHz): <u> </u>
Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>0</u>	Fore-arm (mm): <u>33.6</u>	Tragus (mm): <u> </u>	Ear (mm): <u> </u>	
Time of Capture: <u>23:00</u>	Wing Photo ID: <u> </u>	Remarks: <u> </u>			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotallyepididymis swollen					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>03 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B029</u>
Height in meters captured above ground surface: <u>1</u> m					
Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Repro. Condition: <u>PL</u>	Wt. (g): <u>7.0</u>	Transmitter Attached? If so: Frequency (MHz): <u> </u>
Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>1</u>	Fore-arm (mm): <u>35.6</u>	Tragus (mm): <u> </u>	Ear (mm): <u> </u>	
Time of Capture: <u>23:00</u>	Wing Photo ID: <u> </u>	Remarks: <u> </u>			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotallyepididymis swollen					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>03 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B030</u>
Height in meters captured above ground surface: <u>1</u> m					
Species: <u>MYSE</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>9.5</u>	Transmitter Attached? If so: Frequency (MHz): <u> </u>
Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>1/P1</u>	Fore-arm (mm): <u> </u>	Tragus (mm): <u> </u>	Ear (mm): <u> </u>	
Time of Capture: <u>23:35</u>	Wing Photo ID: <u> </u>	Remarks: <u> </u>			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SE 2619 Site 001</u>	Date: <u>03 October 2012</u>	Set No.	Captured In:	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>3031</u>
Height in meters captured above ground surface:					
Species: <u>MYSE</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>8.0</u>	Ear: <u>16.5</u>
Photo Taken: <u>(Yes) / No</u>	WNS Wing Score: <u>C/P1</u>	Fore-arm: <u>36.3</u>	Hind Foot: <u>8-1</u>	Tragus: <u>9.0</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>N</u> Band Material: <u>Metal</u> Band Color: <u>Silver/PAGE 55964</u> Band on Left/Right: <u>Right</u>
Time of Capture: <u>23:35</u>	Wing Photo ID:	Remarks:			
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = scrota/epididymis swollen					
Site Name Or Number: <u>PA SE 2619 Site 001</u>	Date: <u>03 October 2012</u>	Set No.	Captured In:	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>3032</u>
Height in meters captured above ground surface:					
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>7.5</u>	Ear: <u>16.5</u>
Photo Taken: <u>(Yes) / No</u>	WNS Wing Score: <u>1</u>	Fore-arm: <u>34.9</u>	Hind Foot: <u>N</u>	Tragus: <u>9.0</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>N</u> Band Material: <u>Color</u> Band Color: <u>Inscription</u> Band on Left/Right: <u>Left/Right</u>
Time of Capture: <u>23:35</u>	Wing Photo ID:	Remarks:			
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = scrota/epididymis swollen					
Site Name Or Number: <u>PA SE 2619 Site 001</u>	Date: <u>03 October 2017</u>	Set No.	Captured In:	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>3033</u>
Height in meters captured above ground surface:					
Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>7.5</u>	Ear: <u>16.5</u>
Photo Taken: <u>(Yes) / No</u>	WNS Wing Score: <u>0</u>	Fore-arm: <u>34.4</u>	Hind Foot: <u>N</u>	Tragus: <u>9.0</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>N</u> Band Material: <u>Color</u> Band Color: <u>Inscription</u> Band on Left/Right: <u>Left/Right</u>
Time of Capture: <u>23:35</u>	Wing Photo ID:	Remarks:			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: <u>PA SR 2619 Sit 001</u>		Date: <u>03 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B034</u>
Height in meters captured above ground surface: <u>1</u> m						
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SR</u>	Wt. (g) <u>7.5</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>23:35</u>
Photo Taken <u>Yes</u> / <u>No</u>		Fore-arm <u>33.9</u>		Hind Foot		Remarks:
Ear		Tragus	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (MHz)	
Recapture Yes/No		Material	Band Color	Band Inscription	Band on Left/Right	
<div>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = postlactating, SCR = scrotal/epididymis swollen</div>						
Site Name Or Number: <u>PA SR 2619 Sit 001</u>		Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B035</u>
Height in meters captured above ground surface: <u>1</u> m						
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>PL</u>	Wt. (g) <u>7.5</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>19:27</u>
Photo Taken <u>Yes</u> / <u>No</u>		Fore-arm <u>35.2</u>		Hind Foot		Remarks:
Ear		Tragus	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (MHz)	
Recapture Yes/No		Material	Band Color	Band Inscription	Band on Left/Right	
<div>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = postlactating, SCR = scrotal/epididymis swollen</div>						
Site Name Or Number: <u>PA SR 2619 Sit 001</u>		Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B036</u>
Height in meters captured above ground surface: <u>1</u> m						
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.5</u>	WNS Wing Score <u>0/p1</u>	Wing Photo ID: <u>19:36</u>
Photo Taken <u>Yes</u> / <u>No</u>		Fore-arm <u>33.9</u>		Hind Foot		Remarks:
Ear		Tragus	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (MHz)	
Recapture Yes/No		Material	Band Color	Band Inscription	Band on Left/Right	

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>3037</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.0</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u>Color</u> Band Inscription <u>Band on Left/Right</u>
Time of Capture <u>19:36</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>1 / P1</u>	Wing Photo ID: Remarks:		
<u>Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = postlactating, SCR = serotalepididymis swollen</u>					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>3038</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.0</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u>Color</u> Band Inscription <u>Band on Left/Right</u>
Time of Capture <u>19:36</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score	Wing Photo ID: Remarks:		
<u>Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = postlactating, SCR = serotalepididymis swollen</u>					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>3039</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>8.0</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u>Color</u> Band Inscription <u>Band on Left/Right</u>
Time of Capture <u>19:55</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score	Wing Photo ID: Remarks:		

*Capture Number = number in sequence by site.

* 12 bats in one capture bag

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Sit 001</u>		Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B4042</u>
Height in meters captured above ground surface: <u>1</u> m						
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>8.5</u>	Fore-arm <u>34.7</u>	Hind Foot <u>8.7</u>
Photo Taken <u>(Yes) / No</u>		WNS Wing Score <u>0</u>		Wing Photo ID:		
Time of Capture <u>19:55</u>		Remarks:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotally aplousis swollen						
Site Name Or Number: <u>PA SR 2619 Sit 001</u>		Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B4041</u>
Height in meters captured above ground surface: <u>1</u> m						
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>PL</u>	Wt. (g) <u> </u>	Fore-arm <u> </u>	Hind Foot <u> </u>
Photo Taken <u>(Yes) / No</u>		WNS Wing Score <u>0</u>		Wing Photo ID:		
Time of Capture <u>19:55</u>		Remarks:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotally aplousis swollen						
Site Name Or Number: <u>PA SR 2619 Sit 001</u>		Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B4042</u>
Height in meters captured above ground surface: <u>1</u> m						
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u> </u>	Fore-arm <u> </u>	Hind Foot <u> </u>
Photo Taken <u>(Yes) / No</u>		WNS Wing Score <u>0</u>		Wing Photo ID:		
Time of Capture <u>19:55</u>		Remarks:				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>SEC 020 04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>043</u>
Height in meters captured above ground surface: <u>1</u>					
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>0</u>	Transmitter Attached? If so: Frequency (MHz): <u> </u>
Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>0</u>	Fore-arm (mm): <u> </u>	Hind Foot (mm): <u> </u>	Tragus (mm): <u> </u>	Ear (mm): <u> </u>
Time of Capture: <u>19:55</u>	Wing Photo ID: <u> </u>	Remarks: <u> </u>			
Repro Condition: NR = nonreproductive; PG = pregnant; lactating PL = post-lactating; SCR = scrotal epididymis swollen					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>SEC 020 04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>044</u>
Height in meters captured above ground surface: <u>1</u>					
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>0</u>	Transmitter Attached? If so: Frequency (MHz): <u> </u>
Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>0/P1</u>	Fore-arm (mm): <u> </u>	Hind Foot (mm): <u> </u>	Tragus (mm): <u> </u>	Ear (mm): <u> </u>
Time of Capture: <u>19:55</u>	Wing Photo ID: <u> </u>	Remarks: <u> </u>			
Repro Condition: NR = nonreproductive; PG = pregnant; lactating PL = post-lactating; SCR = scrotal epididymis swollen					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>SEC 020 04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>045</u>
Height in meters captured above ground surface: <u>1</u>					
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>1</u>	Transmitter Attached? If so: Frequency (MHz): <u> </u>
Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>1</u>	Fore-arm (mm): <u> </u>	Hind Foot (mm): <u> </u>	Tragus (mm): <u> </u>	Ear (mm): <u> </u>
Time of Capture: <u> </u>	Wing Photo ID: <u> </u>	Remarks: <u> </u>			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 2619 Site 001	Date: SEC 020	Set No. 1	Name of Person Identifying the Bat: MS Fishman				*Capture Number: 3046
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species: PESU	Sex: F	Age: A	Repro. Condition: PL	Wt. (g): 0	Recapture Yes/No: N	Band Material: Color	Band Inscription: Band on Left/Right
Photo Taken: (Yes) / No	WNS Wing Score: 0	Wing Photo ID:	Remarks:				
Time of Capture: 19:55							
Repro. Condition: NR nonreproductive, PG pregnant, L lactating, PL post-lactating, SCR scrotalepitymismis swollen							
Site Name Or Number: PA SR 2619 Site 001	Date: SEC 020	Set No. 1	Name of Person Identifying the Bat: MS Fishman				*Capture Number: 3047
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 0	Recapture Yes/No: N	Band Material: Color	Band Inscription: Band on Left/Right
Photo Taken: (Yes) / No	WNS Wing Score: 0	Wing Photo ID:	Remarks:				
Time of Capture: 19:55							
Repro. Condition: NR nonreproductive, PG pregnant, L lactating, PL post-lactating, SCR scrotalepitymismis swollen							
Site Name Or Number: PA SR 2619 Site 001	Date: SEC 020	Set No. 1	Name of Person Identifying the Bat: MS Fishman				*Capture Number: 3048
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 0	Recapture Yes/No: N	Band Material: Color	Band Inscription: Band on Left/Right
Photo Taken: (Yes) / No	WNS Wing Score: 1 / PI	Wing Photo ID:	Remarks:				
Time of Capture: 19:55							
Repro. Condition: NR nonreproductive, PG pregnant, L lactating, PL post-lactating, SCR scrotalepitymismis swollen							

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: PA SR 2619 Site 001	Date: 04 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: BOYS
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 50.0
Photo Taken: (Yes) No	Ear: 18/P1	Fore-arm: 38.8	Hind Foot: 8.3	Tragus: 7.6
Time of Capture: 19:55	WNS Wing Score: 0/P5	Wing Photo ID: 18/P1		
Remarks:				
Repro. Condition: NR = nonreproductive; PG = pregnant; L = lactating; PL = post-lactating; SCR = scarotalepididymis swollen				
Site Name Or Number: PA SR 2619 Site 001	Date: 04 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: BOYS
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 50.0
Photo Taken: (Yes) No	Ear: 18/P1	Fore-arm: 38.8	Hind Foot: 8.3	Tragus: 7.6
Time of Capture: 19:55	WNS Wing Score: 0/P5	Wing Photo ID: 18/P1		
Remarks:				
Repro. Condition: NR = nonreproductive; PG = pregnant; L = lactating; PL = post-lactating; SCR = scarotalepididymis swollen				
Site Name Or Number: PA SR 2619 Site 001	Date: 04 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: BOYS
Height in meters captured above ground surface: 1 m				
Species: MYLU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 9.5
Photo Taken: (Yes) No	Ear: 15.4	Fore-arm: 38.8	Hind Foot: 8.3	Tragus: 7.6
Time of Capture: 20:22	WNS Wing Score: 0/P5	Wing Photo ID: 15.4		
Remarks:				
Repro. Condition: NR = nonreproductive; PG = pregnant; L = lactating; PL = post-lactating; SCR = scarotalepididymis swollen				

*Capture Number = number in sequence by site.

10 Bats in 2 bag 1 no measurements taken to speed up processing

Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 514 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B052</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>9.0</u>	Transmitter Attached? If so: Frequency (MHz) <u> </u>
Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>20:22</u>	Remarks: <u> </u>		

Site Name Or Number: <u>PA SR 2619 514 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B053</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u> </u>	Transmitter Attached? If so: Frequency (MHz) <u> </u>
Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>20:22</u>	Remarks: <u> </u>		

Site Name Or Number: <u>PA SR 2619 514 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B054</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>PL</u>	Wt. (g) <u> </u>	Transmitter Attached? If so: Frequency (MHz) <u> </u>
Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>20:22</u>	Remarks: <u> </u>		

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>				*Capture Number: <u>3055</u>
Height in meters captured above ground surface: <u>1</u> m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>0.12</u>	Fore-arm <u>12</u>	Hind Foot <u>12</u>	Transmitter Attached? If so: Frequency (mHz)
Photo Taken <u>Yes</u> / No	WNS Wing Score <u>0.12</u>	Wing Photo ID: Remarks:					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotalepididymis swollen							
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>				*Capture Number: <u>3056</u>
Height in meters captured above ground surface: <u>1</u> m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>0.12</u>	Fore-arm <u>12</u>	Hind Foot <u>12</u>	Transmitter Attached? If so: Frequency (mHz)
Photo Taken <u>Yes</u> / No	WNS Wing Score <u>0.12</u>	Wing Photo ID: Remarks:					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotalepididymis swollen							
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>				*Capture Number: <u>3057</u>
Height in meters captured above ground surface: <u>1</u> m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>0.12</u>	Fore-arm <u>12</u>	Hind Foot <u>12</u>	Transmitter Attached? If so: Frequency (mHz)
Photo Taken <u>Yes</u> / No	WNS Wing Score <u>0.12</u>	Wing Photo ID: Remarks:					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotalepididymis swollen							

COMMONWEALTH OF PENNSYLVANIA

Pennsylvania Game Commission

Page# B020 of**Bat Measurement and Capture Data Form**(Complete for all: (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>SEC 020 04 October 2012</u>	Set No.	Name of Person Identifying the Bat: <u>M.S. Fishman</u>		*Capture Number: <u>B058</u>
Height in meters captured above ground surface: <u>1</u> m					
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g):	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>1</u>	Wing Photo ID:	Remarks:		
Body Measurements (grams and millimeters)					
Fore-arm	Tragus	Ear	Recapture Yes/No: <u>N</u>	Band Material	Band Color
Hind Foot			Band Inscription	Band on Left/Right	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
Name of Person Identifying the Bat: <u>M.S. Fishman</u>					
*Capture Number: <u>B059</u>					
Transmitter Attached? If so: Frequency (MHz):					
Time of Capture: <u>20:22</u>					
Remarks:					
Repro. Condition: <u>NR</u> - nonreproductive, <u>PG</u> - pregnant, <u>L</u> - lactating, <u>PL</u> - post lactating, <u>SCR</u> - scrotal epididymis swollen					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>SEC 020 04 October 2012</u>	Set No.	Name of Person Identifying the Bat: <u>M.S. Fishman</u>		*Capture Number: <u>B060</u>
Height in meters captured above ground surface: <u>1</u> m					
Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Repro. Condition: <u>PL</u>	Wt. (g):	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>0</u>	Wing Photo ID:	Remarks:		
Body Measurements (grams and millimeters)					
Fore-arm	Tragus	Ear	Recapture Yes/No: <u>N</u>	Band Material	Band Color
Hind Foot			Band Inscription	Band on Left/Right	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
Name of Person Identifying the Bat: <u>M.S. Fishman</u>					
*Capture Number: <u>B060</u>					
Transmitter Attached? If so: Frequency (MHz):					
Time of Capture: <u>20:22</u>					
Remarks:					
Repro. Condition: <u>NR</u> - nonreproductive, <u>PG</u> - pregnant, <u>L</u> - lactating, <u>PL</u> - post lactating, <u>SCR</u> - scrotal epididymis swollen					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>SEC 020</u>	Set No. <u>04</u>	Captured In: <u>October 2012</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B061</u>
Height in meters captured above ground surface: <u>1</u> m					
Species: <u>EPFU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>20.0</u>	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>1</u>	Wing Photo ID:	Body Measurements (grams and millimeters):	Recapture Yes/No: <u>N</u>	Band Information (if banded):
			Fore-arm: <u>35.8</u>	Band Material: <u>Metal</u>	Band Color: <u>Silver</u>
			Tragus: <u>9.2</u>	Band Material: <u>Metal</u>	Band Color: <u>Silver</u>
			Ear: <u>15.7</u>	Band Material: <u>Metal</u>	Band Color: <u>Silver</u>
			Hind Foot: <u>7.7</u>	Band Material: <u>Metal</u>	Band Color: <u>Silver</u>
Time of Capture: <u>20:45</u>	Remarks: <u>Big for right wing</u>				
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = serotinal/epitaxymis swollen					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>SEC 020</u>	Set No. <u>04</u>	Captured In: <u>October 2012</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B062</u>
Height in meters captured above ground surface: <u>1</u> m					
Species: <u>MYLU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>20.45</u>	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>0</u>	Wing Photo ID:	Body Measurements (grams and millimeters):	Recapture Yes/No: <u>Y</u>	Band Information (if banded):
			Fore-arm: <u>35.8</u>	Band Material: <u>Metal</u>	Band Color: <u>Silver</u>
			Tragus: <u>9.2</u>	Band Material: <u>Metal</u>	Band Color: <u>Silver</u>
			Ear: <u>15.7</u>	Band Material: <u>Metal</u>	Band Color: <u>Silver</u>
			Hind Foot: <u>7.7</u>	Band Material: <u>Metal</u>	Band Color: <u>Silver</u>
Time of Capture: <u>20:45</u>	Remarks: <u>Big for right wing</u>				
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = serotinal/epitaxymis swollen					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>SEC 020</u>	Set No. <u>04</u>	Captured In: <u>October 2012</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B063</u>
Height in meters captured above ground surface: <u>1</u> m					
Species: <u>MYSE</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>20.45</u>	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>0/P1</u>	Wing Photo ID:	Body Measurements (grams and millimeters):	Recapture Yes/No: <u>N</u>	Band Information (if banded):
			Fore-arm: <u>35.8</u>	Band Material: <u>Metal</u>	Band Color: <u>Silver</u>
			Tragus: <u>9.2</u>	Band Material: <u>Metal</u>	Band Color: <u>Silver</u>
			Ear: <u>15.7</u>	Band Material: <u>Metal</u>	Band Color: <u>Silver</u>
			Hind Foot: <u>7.7</u>	Band Material: <u>Metal</u>	Band Color: <u>Silver</u>
Time of Capture: <u>20:45</u>	Remarks: <u>Big for right wing</u>				

*Capture Number = number in sequence by site.

+12 bats @ once, no measurements on non-myotis

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Sit 001</u>		Date: <u>SEC 020 04 October 2012</u>		Set No. <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B064</u>						
Height in meters captured above ground surface: <u>1</u> m		Repro. Condition <u>PL</u>		Wt. (g) <u>0</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (MHz)						
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Photo Taken <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Wing Photo ID:	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No <u>N</u>	Band Material	Band Color	Band Inscription	Band Left/Right
Remarks:														
Time of Capture <u>20:45</u>														
Repro. Condition: <u>NR</u> nonreproductive, <u>PG</u> pregnant, <u>L</u> lactating, <u>PL</u> post-lactating, <u>SCR</u> serotinal/epididymis swollen														
Site Name Or Number: <u>PA SR 2619 Sit 001</u>		Date: <u>SEC 020 04 October 2012</u>		Set No. <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B065</u>						
Height in meters captured above ground surface: <u>1</u> m		Repro. Condition <u>SCR</u>		Wt. (g) <u>1</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (MHz)						
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Photo Taken <u>Yes</u> / <u>No</u>	WNS Wing Score <u>1</u>	Wing Photo ID:	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No <u>N</u>	Band Material	Band Color	Band Inscription	Band Left/Right
Remarks:														
Time of Capture <u>20:45</u>														
Repro. Condition: <u>NR</u> nonreproductive, <u>PG</u> pregnant, <u>L</u> lactating, <u>PL</u> post-lactating, <u>SCR</u> serotinal/epididymis swollen														
Site Name Or Number: <u>PA SR 2619 Sit 001</u>		Date: <u>SEC 020 04 October 2012</u>		Set No. <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B066</u>						
Height in meters captured above ground surface: <u>1</u> m		Repro. Condition <u>SCR</u>		Wt. (g) <u>0</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (MHz)						
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Photo Taken <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Wing Photo ID:	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No <u>N</u>	Band Material	Band Color	Band Inscription	Band Left/Right
Remarks:														
Time of Capture <u>20:45</u>														

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR2619 Site 001</u>	Date: <u>SEC 020 04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>3067</u>
Height in meters captured above ground surface: <u>1</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>1</u>
Photo Taken: <u>(Yes) No</u>	WNS Wing Score: <u>1</u>	Wing Photo ID: <u>P2</u>	Remarks:	

Wing Photo ID:

Remarks:

Site Name Or Number: <u>PA SR2619 Site 001</u>	Date: <u>SEC 020 04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>3068</u>
Height in meters captured above ground surface: <u>1</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>1</u>
Photo Taken: <u>(Yes) No</u>	WNS Wing Score: <u>0</u>	Wing Photo ID:	Remarks:	

Wing Photo ID:

Remarks:

Site Name Or Number: <u>PA SR2619 Site 001</u>	Date: <u>SEC 020 04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>3069</u>
Height in meters captured above ground surface: <u>1</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>1</u>
Photo Taken: <u>(Yes) No</u>	WNS Wing Score: <u>0</u>	Wing Photo ID:	Remarks:	

Wing Photo ID:

Remarks:

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SEC 020 site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B070</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>20:45</u>
Body Measurements (grams and millimeters)					
Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No <u>N</u>
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
Material	Color	Inscription	Band	Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)
Remarks:					
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = serotalepididymis swollen					
Site Name Or Number: <u>PA SEC 020 site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B071</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	WNS Wing Score <u>0/P2</u>	Wing Photo ID: <u>20:45</u>
Body Measurements (grams and millimeters)					
Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No <u>N</u>
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
Material	Color	Inscription	Band	Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)
Remarks:					
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = serotalepididymis swollen					
Site Name Or Number: <u>PA SEC 020 site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B072</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>MYLE</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>PL</u>	WNS Wing Score <u>0/P7</u>	Wing Photo ID: <u>21:20</u>
Body Measurements (grams and millimeters)					
Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No <u>N</u>
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
Material	Color	Inscription	Band	Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)
Remarks:					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 2619 Site 001		Date: 04 October 2012		Set No. 1		Captured In: 1		Name of Person Identifying the Bat: MS Fishman		*Capture Number: B073	
Height in meters captured above ground surface: 1 m		Repro. Condition: SCR		Wt. (g): 13.0		Ear: 14.7		Fore-arm: 40.0		Hind Foot: 8.7	
Species: MYLU	Sex: M	Age: A	Photo Taken: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	WNS Wing Score: 1	Wing Photo ID:		Remarks:				
Body Measurements (grams and millimeters)											
Recapture Yes/No: N		Band Material: Metal		Band Color: Silver		Band Inscription: PAGE 55970		Band on Left/Right: Right		Transmitter Attached? If so: Frequency (mHz):	
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)											
Reproductive: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen											
Site Name Or Number: PA SR 2619 Site 001		Date: 04 October 2012		Set No. 1		Captured In: 1		Name of Person Identifying the Bat: MS Fishman		*Capture Number: B074	
Height in meters captured above ground surface: 1 m		Repro. Condition: SCR		Wt. (g):		Ear:		Fore-arm:		Hind Foot:	
Species: PESU	Sex: M	Age: A	Photo Taken: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	WNS Wing Score:	Wing Photo ID:		Remarks:				
Body Measurements (grams and millimeters)											
Recapture Yes/No: N		Band Material:		Band Color:		Band Inscription:		Band on Left/Right:		Transmitter Attached? If so: Frequency (mHz):	
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)											
Reproductive: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen											
Site Name Or Number: PA SR 2619 Site 001		Date: 04 October 2012		Set No. 1		Captured In: 1		Name of Person Identifying the Bat: MS Fishman		*Capture Number: B075	
Height in meters captured above ground surface: 1 m		Repro. Condition: SCR		Wt. (g):		Ear:		Fore-arm:		Hind Foot:	
Species: PESU	Sex: M	Age: A	Photo Taken: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	WNS Wing Score:	Wing Photo ID:		Remarks:				
Body Measurements (grams and millimeters)											
Recapture Yes/No: N		Band Material:		Band Color:		Band Inscription:		Band on Left/Right:		Transmitter Attached? If so: Frequency (mHz):	
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)											
Reproductive: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen											

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: <u>PA SR 2619 Site 001</u>		Date: <u>04 October 2012</u>		Set No. <u> </u>		Captured In: <u> </u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>3076</u>	
Height in meters captured above ground surface: <u> </u>											
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
PESU	M	A	SCR					Recapture Yes/No	Band Material	Band Color	Band on Left/Right
Time of Capture	Photo Taken		WNS Wing Score	Remarks:							
21:20	(Yes / No)		0/P7								
Repro: Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotalespidiymis swollen											
Site Name Or Number: <u>PA SR 2619 Site 001</u>		Date: <u>04 October 2012</u>		Set No. <u> </u>		Captured In: <u> </u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>3077</u>	
Height in meters captured above ground surface: <u> </u>											
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
PESU	M	A	SCR					Recapture Yes/No	Band Material	Band Color	Band on Left/Right
Time of Capture	Photo Taken		WNS Wing Score	Remarks:							
21:20	(Yes / No)		0/P2								
Repro: Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotalespidiymis swollen											
Site Name Or Number: <u>PA SR 2619 Site 001</u>		Date: <u>04 October 2012</u>		Set No. <u> </u>		Captured In: <u> </u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>3078</u>	
Height in meters captured above ground surface: <u> </u>											
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
PESU	M	A	SCR					Recapture Yes/No	Band Material	Band Color	Band on Left/Right
Time of Capture	Photo Taken		WNS Wing Score	Remarks:							
21:20	(Yes / No)		0								

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>3081</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>0</u>	Transmitter Attached? If so: Frequency (MHz)
Time of Capture <u>21:20</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0</u>	Remarks:		
Body Measurements (grams and millimeters) Fore-arm <u> </u> Hind Foot <u> </u> Tragus <u> </u> Ear <u> </u>					
Band Information (if banded) Recapture Yes/No <u>N</u> Band Material <u> </u> Band Color <u> </u> Band Inscription <u> </u> Band on Left/Right <u> </u>					
Wing Photo ID: <u> </u> Remarks: <u> </u>					
Repro: Condition <u>NR</u> = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotalepididymis swollen					
Site Name Or Number: <u>PA SR2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>3080</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>0</u>	Transmitter Attached? If so: Frequency (MHz)
Time of Capture <u>21:20</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0</u>	Remarks:		
Body Measurements (grams and millimeters) Fore-arm <u> </u> Hind Foot <u> </u> Tragus <u> </u> Ear <u> </u>					
Band Information (if banded) Recapture Yes/No <u>N</u> Band Material <u> </u> Band Color <u> </u> Band Inscription <u> </u> Band on Left/Right <u> </u>					
Wing Photo ID: <u> </u> Remarks: <u> </u>					
Repro: Condition <u>NR</u> = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotalepididymis swollen					
Site Name Or Number: <u>PA SR2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>3081</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>0</u>	Transmitter Attached? If so: Frequency (MHz)
Time of Capture <u>21:20</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0</u>	Remarks:		
Body Measurements (grams and millimeters) Fore-arm <u> </u> Hind Foot <u> </u> Tragus <u> </u> Ear <u> </u>					
Band Information (if banded) Recapture Yes/No <u>N</u> Band Material <u> </u> Band Color <u> </u> Band Inscription <u> </u> Band on Left/Right <u> </u>					
Wing Photo ID: <u> </u> Remarks: <u> </u>					
Repro: Condition <u>NR</u> = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotalepididymis swollen					

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Page# B28 of **Bat Measurement and Capture Data Form**(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B082</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>9.5</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>Y</u> Band Material <u>Metal</u> Color <u>Silver</u> Band Inscription <u>PAGE 55962</u> Band on Left/Right <u>Right</u>
Time of Capture <u>22:05</u>	Photo Taken Yes / <u>No</u>	WNS Wing Score <u>—</u>		Transmitter Attached? If so: Frequency (MHz) <u> </u>	
Remarks: <u> </u>					
Repro: Condition: <u>NR</u> = non-reproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = scrotal/epididymis swollen					
Site Name Or Number: <u>PA SR 2619 site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B083</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>0.173</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u> </u> Color <u> </u> Band Inscription <u> </u> Band on Left/Right <u> </u>
Time of Capture <u>22:05</u>	Photo Taken Yes / <u>No</u>	WNS Wing Score <u>0/P3</u>		Transmitter Attached? If so: Frequency (MHz) <u> </u>	
Remarks: <u> </u>					
Repro: Condition: <u>NR</u> = non-reproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = scrotal/epididymis swollen					
Site Name Or Number: <u>PA SR 2619 site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B084</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>9.5</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u>Metal</u> Color <u>Silver</u> Band Inscription <u>PAGE 55971</u> Band on Left/Right <u>Right</u>
Time of Capture <u>22:05</u>	Photo Taken <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>		Transmitter Attached? If so: Frequency (MHz) <u> </u>	
Remarks: <u> </u>					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SE 2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B085</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>11.0</u>
Time of Capture <u>22:05</u> <u>21:20</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>1</u>	Wing Photo ID:	
Remarks:				
Body Measurements (grams and millimeters)				
Ear	Tragus	Fore-arm	Hind Foot	
<u>13.3</u>	<u>6.2</u>	<u>39.0</u>	<u>9.1</u>	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
<u>N</u>	<u>Metal</u>	<u>Color</u>	<u>PAGC 55972</u>	<u>Right</u>
Transmitter Attached? If so: Frequency (mHz)				
Repro. Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post lactating; <u>SCR</u> = scrota/epididymis swollen.				
Site Name Or Number: <u>PA SE 2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B086</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>MYSE</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.5</u>
Time of Capture <u>22:05</u> <u>21:30</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0.12</u>	Wing Photo ID:	
Remarks:				
Body Measurements (grams and millimeters)				
Ear	Tragus	Fore-arm	Hind Foot	
<u>16.2</u>	<u>9.1</u>	<u>35.6</u>	<u>8.5</u>	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
<u>N</u>	<u>Metal</u>	<u>Silver</u>	<u>PAGC 55973</u>	<u>Right</u>
Transmitter Attached? If so: Frequency (mHz)				
Repro. Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post lactating; <u>SCR</u> = scrota/epididymis swollen.				
Site Name Or Number: <u>PA SE 2619 Site 001</u>	Date: <u>04 Oct 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B087</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>9.5</u>
Time of Capture <u>22:05</u> <u>21:20</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0</u>	Wing Photo ID:	
Remarks:				
Body Measurements (grams and millimeters)				
Ear	Tragus	Fore-arm	Hind Foot	
<u>13.4</u>	<u>6.3</u>	<u>40.5</u>	<u>8.5</u>	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
<u>N</u>	<u>Metal</u>	<u>Silver</u>	<u>PAC 55974</u>	<u>Right</u>
Transmitter Attached? If so: Frequency (mHz)				

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Site 031</u>	Date: <u>04 Oct 2012</u>	Set No. <u>1</u>	Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B088</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.5</u>	Receptor <u>Yes/No</u> <u>N</u>
Photo Taken <u>Yes / No</u> <u>Yes</u>	WNS Wing Score <u>0</u>	Fore-arm <u>37.2</u>	Hind Foot <u>8.1</u>	Band Material <u>Metal</u>	Band Color <u>Silver</u>
Time of Capture <u>22:05</u>	Wing Photo ID: <u></u>	Tragus <u>6.0</u>	Ear <u>13.0</u>	Band Inscription <u>PAGE 55975</u>	Band on Left/Right <u>Right</u>
Remarks: <u></u>					
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = serotally lactating, <u>swollen</u>					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>04 Oct 2012</u>	Set No. <u>1</u>	Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B089</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>9.5</u>	Receptor <u>Yes/No</u> <u>N</u>
Photo Taken <u>Yes / No</u> <u>Yes</u>	WNS Wing Score <u>0</u>	Fore-arm <u>37.6</u>	Hind Foot <u>8.6</u>	Band Material <u>Metal</u>	Band Color <u>Silver</u>
Time of Capture <u>22:05</u>	Wing Photo ID: <u></u>	Tragus <u>6.9</u>	Ear <u>13.9</u>	Band Inscription <u>PAGE 55876</u>	Band on Left/Right <u>Right</u>
Remarks: <u></u>					
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = serotally lactating, <u>swollen</u>					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B090</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>5.8</u>	Receptor <u>Yes/No</u> <u>N</u>
Photo Taken <u>Yes / No</u> <u>Yes</u>	WNS Wing Score <u>1/P1</u>	Fore-arm <u></u>	Hind Foot <u></u>	Band Material <u></u>	Band Color <u></u>
Time of Capture <u>22:05</u>	Wing Photo ID: <u></u>	Tragus <u></u>	Ear <u></u>	Band Inscription <u></u>	Band on Left/Right <u></u>
Remarks: <u></u>					
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = serotally lactating, <u>swollen</u>					

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Site 001</u>	SEC <u>020</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Captured In: <u>MS Fishman</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B091</u>
Height in meters captured above ground surface: <u>1</u> m						
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>SCR</u>	WNS Wing Score: <u>0</u>	Photo Taken: <u>Yes / (No)</u>
Time of Capture: <u>22:05</u>	Photo Taken: <u>Yes / (No)</u>	Wing Photo ID: <u>SCR</u>	Wing Photo ID: <u>SCR</u>	Wing Photo ID: <u>SCR</u>	Wing Photo ID: <u>SCR</u>	Wing Photo ID: <u>SCR</u>
Remarks: <u>SCR</u>						
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = scrotal/epididymis swollen.						
Site Name Or Number: <u>PA SR 2619 Site 001</u>	SEC <u>020</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Captured In: <u>MS Fishman</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B092</u>
Height in meters captured above ground surface: <u>1</u> m						
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>SCR</u>	WNS Wing Score: <u>1</u>	Photo Taken: <u>Yes / (No)</u>
Time of Capture: <u>22:05</u>	Photo Taken: <u>Yes / (No)</u>	Wing Photo ID: <u>SCR</u>	Wing Photo ID: <u>SCR</u>	Wing Photo ID: <u>SCR</u>	Wing Photo ID: <u>SCR</u>	Wing Photo ID: <u>SCR</u>
Remarks: <u>SCR</u>						
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = scrotal/epididymis swollen.						
Site Name Or Number: <u>PA SR 2619 Site 001</u>	SEC <u>020</u>	Date: <u>04 October 2012</u>	Set No. <u>1</u>	Captured In: <u>MS Fishman</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B093</u>
Height in meters captured above ground surface: <u>1</u> m						
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>SCR</u>	WNS Wing Score: <u>0</u>	Photo Taken: <u>Yes / (No)</u>
Time of Capture: <u>22:05</u>	Photo Taken: <u>Yes / (No)</u>	Wing Photo ID: <u>SCR</u>	Wing Photo ID: <u>SCR</u>	Wing Photo ID: <u>SCR</u>	Wing Photo ID: <u>SCR</u>	Wing Photo ID: <u>SCR</u>
Remarks: <u>SCR</u>						
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = scrotal/epididymis swollen.						

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR2619 Site 001	Date: 04 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B094
Height in meters captured above ground surface: 1 m					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g):	Transmitter Attached? If so: (mHz)
Photo Taken: Yes / (No)	WNS Wing Score: 0	Wing Photo ID:	Remarks:		
Time of Capture: 22:05					
Repro: Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrota/epididymis swollen					
Site Name Or Number: PA SR2619 Site 001	Date: 04 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B095
Height in meters captured above ground surface: 1 m					
Species: PESU	Sex: F	Age: A	Repro. Condition: PL	Wt. (g):	Transmitter Attached? If so: (mHz)
Photo Taken: Yes / (No)	WNS Wing Score: 0	Wing Photo ID:	Remarks:		
Time of Capture: 22:05					
Repro: Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrota/epididymis swollen					
Site Name Or Number: PA SR2619 Site 001	Date: 04 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B096
Height in meters captured above ground surface: 1 m					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g):	Transmitter Attached? If so: (mHz)
Photo Taken: Yes / (No)	WNS Wing Score: 0	Wing Photo ID:	Remarks:		
Time of Capture: 22:05					
Repro: Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrota/epididymis swollen					

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 2619 Site 001	Date: 04 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B097
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: 0
Photo Taken: Yes / (No)	Wing Photo ID:			
Time of Capture: 22:05	Remarks:			
<p>Body Measurements (grams and millimeters)</p> <p>Fore-arm: Hind Foot: Tragus: Ear: Wt. (g): Repro. Condition: WNS Wing Score: Photo Taken: Yes / (No)</p>				
<p>Band Information (if banded)</p> <p>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)</p> <p>Recapture Yes/No: N Band Material: Band Color: Band Inscription: Band on Left/Right: Transmitter Attached? If so: Frequency (mHz):</p>				
<p>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = postlactating, SCR = scrota/epididymis swollen</p>				
Site Name Or Number: PA SR 2619 Site 001	Date: 04 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B098
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: 0
Photo Taken: Yes / (No)	Wing Photo ID:			
Time of Capture: 22:05	Remarks:			
<p>Body Measurements (grams and millimeters)</p> <p>Fore-arm: Hind Foot: Tragus: Ear: Wt. (g): Repro. Condition: WNS Wing Score: Photo Taken: Yes / (No)</p>				
<p>Band Information (if banded)</p> <p>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)</p> <p>Recapture Yes/No: N Band Material: Band Color: Band Inscription: Band on Left/Right: Transmitter Attached? If so: Frequency (mHz):</p>				
<p>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = postlactating, SCR = scrota/epididymis swollen</p>				
Site Name Or Number: PA SR 2619 Site 001	Date: 04 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B099
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: 0
Photo Taken: Yes / (No)	Wing Photo ID:			
Time of Capture: 22:05	Remarks:			
<p>Body Measurements (grams and millimeters)</p> <p>Fore-arm: Hind Foot: Tragus: Ear: Wt. (g): Repro. Condition: WNS Wing Score: Photo Taken: Yes / (No)</p>				
<p>Band Information (if banded)</p> <p>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)</p> <p>Recapture Yes/No: N Band Material: Band Color: Band Inscription: Band on Left/Right: Transmitter Attached? If so: Frequency (mHz):</p>				

COMMONWEALTH OF PENNSYLVANIA
Pennsylvania Game CommissionPage# B34 of **Bat Measurement and Capture Data Form**(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 2619 Site 001	SEC 020	Date: 04	Set No.	Captured In: 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B102
Height in meters captured above ground surface: 1 m						
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g):	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (MHz)
Photo Taken: Yes / (No)	WNS Wing Score: 0/p3	Wing Photo ID:	Remarks:	Recapture Yes/No: N	Band Material: Color: Band on Left/Right: Inscription:	
Time of Capture: 22:05						
Repro. Condition: NR = nonreproductive, PG = pregnant, PL = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: PA SR 2619 Site 001	SEC 020	Date: 04	Set No.	Captured In: 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B101
Height in meters captured above ground surface: 1 m						
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g):	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (MHz)
Photo Taken: Yes / (No)	WNS Wing Score:	Wing Photo ID:	Remarks:	Recapture Yes/No: N	Band Material: Color: Band on Left/Right: Inscription:	
Time of Capture: 22:05						
Repro. Condition: NR = nonreproductive, PG = pregnant, PL = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: PA SR 2619 Site 001	SEC 020	Date: 04	Set No.	Captured In: 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B102
Height in meters captured above ground surface: 1 m						
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g):	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (MHz)
Photo Taken: Yes / (No)	WNS Wing Score:	Wing Photo ID:	Remarks:	Recapture Yes/No: N	Band Material: Color: Band on Left/Right: Inscription:	
Time of Capture: 22:05						

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SP2619 Site 001		Date: SEC 020	Set No.	Captured In:	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B103
Height in meters captured above ground surface:							
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
PESU	M	A	SR				Recapture Yes/No: N Band Material: Band Color: Band Inscription: Band on Left/Right: Transmitter Attached? If so: Frequency (mHz):
Time of Capture	Photo Taken	WNS Wing Score	Wing Photo ID:				
22:05	Yes / (No)	0/P1	Remarks:				
Repro: Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen							
Site Name Or Number: PA SP2619 Site 001		Date: SEC 020	Set No.	Captured In:	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B104
Height in meters captured above ground surface:							
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
PESU	M	A	NR				Recapture Yes/No: N Band Material: Band Color: Band Inscription: Band on Left/Right: Transmitter Attached? If so: Frequency (mHz):
Time of Capture	Photo Taken	WNS Wing Score	Wing Photo ID:				
22:05	Yes / (No)	0/P2	Remarks:				
Repro: Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen							
Site Name Or Number: PA SP2619 Site 001		Date: SEC 020	Set No.	Captured In:	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B105
Height in meters captured above ground surface:							
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
PESU	M	A	NP				Recapture Yes/No: N Band Material: Band Color: Band Inscription: Band on Left/Right: Transmitter Attached? If so: Frequency (mHz):
Time of Capture	Photo Taken	WNS Wing Score	Wing Photo ID:				
22:05	Yes / (No)	0	Remarks:				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA 52619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B103</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>0</u>
Photo Taken Yes / <u>No</u>	WNS Wing Score <u>0</u>	Wing Photo ID:	Remarks:	
Time of Capture <u>22:05</u>				
<p>Body Measurements (grams and millimeters)</p> <p>Fore-arm: <u> </u> Hind Foot: <u> </u></p> <p>Tragus: <u> </u> Ear: <u> </u></p>				
<p>Band Information (if banded)</p> <p>Recapture Yes/No: <u>N</u> Band Material: <u> </u> Band Color: <u> </u> Band Inscription: <u> </u></p> <p>Band on Left/Right: <u> </u></p>				
<p>Transmitter Attached? If so: <u> </u> (mHz)</p>				
<p>Repro: Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = serotallyepididymis swollen</p>				
Site Name Or Number: <u>PA 52619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B104</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>0</u>
Photo Taken Yes / <u>No</u>	WNS Wing Score <u>0</u>	Wing Photo ID:	Remarks:	
Time of Capture <u>22:05</u>				
<p>Body Measurements (grams and millimeters)</p> <p>Fore-arm: <u> </u> Hind Foot: <u> </u></p> <p>Tragus: <u> </u> Ear: <u> </u></p>				
<p>Band Information (if banded)</p> <p>Recapture Yes/No: <u>N</u> Band Material: <u> </u> Band Color: <u> </u> Band Inscription: <u> </u></p> <p>Band on Left/Right: <u> </u></p>				
<p>Transmitter Attached? If so: <u> </u> (mHz)</p>				
<p>Repro: Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = serotallyepididymis swollen</p>				
Site Name Or Number: <u>PA 52619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B105</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u> </u>
Photo Taken Yes / <u>No</u>	WNS Wing Score <u> </u>	Wing Photo ID:	Remarks:	
Time of Capture <u>23:02</u>				
<p>Body Measurements (grams and millimeters)</p> <p>Fore-arm: <u> </u> Hind Foot: <u> </u></p> <p>Tragus: <u> </u> Ear: <u> </u></p>				
<p>Band Information (if banded)</p> <p>Recapture Yes/No: <u>Y</u> Band Material: <u> </u> Band Color: <u>Silver</u> Band Inscription: <u>PAE 55855</u></p> <p>Band on Left/Right: <u>Right</u></p>				
<p>Transmitter Attached? If so: <u> </u> (mHz)</p>				

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>SEC 020</u>	Set No. <u>04</u>	Captured In: <u>October 2012</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B109</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>SCR</u>	WNS Wing Score <u>0</u>
Photo Taken <u>Yes / No</u>	Ear <u>SCR</u>	Tragus <u>SCR</u>	Fore-arm <u>SCR</u>	Hind Foot <u>SCR</u>	
Time of Capture <u>23:02</u>	Wing Photo ID: <u>SCR</u>				
Remarks: <u>SCR</u>					
Repro: Condition: <u>NR</u> = non-reproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post-lactating; <u>SCR</u> = <i>serotalepididymis</i> swollen.					
Site Name Or Number: <u>PA SR 2012 Site 001</u>	Date: <u>SEC 020</u>	Set No. <u>04</u>	Captured In: <u>October 2012</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B110</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>SCR</u>	WNS Wing Score <u>0/P1</u>
Photo Taken <u>Yes / No</u>	Ear <u>SCR</u>	Tragus <u>SCR</u>	Fore-arm <u>SCR</u>	Hind Foot <u>SCR</u>	
Time of Capture <u>23:02</u>	Wing Photo ID: <u>SCR</u>				
Remarks: <u>SCR</u>					
Repro: Condition: <u>NR</u> = non-reproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post-lactating; <u>SCR</u> = <i>serotalepididymis</i> swollen.					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>SEC 020</u>	Set No. <u>04</u>	Captured In: <u>October 2012</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B111</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>SCR</u>	WNS Wing Score <u>0</u>
Photo Taken <u>Yes / No</u>	Ear <u>SCR</u>	Tragus <u>SCR</u>	Fore-arm <u>SCR</u>	Hind Foot <u>SCR</u>	
Time of Capture <u>23:02</u>	Wing Photo ID: <u>SCR</u>				
Remarks: <u>SCR</u>					
Repro: Condition: <u>NR</u> = non-reproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post-lactating; <u>SCR</u> = <i>serotalepididymis</i> swollen.					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B112</u>
Height in meters captured above ground surface: <u>1</u> m					
Species: <u>DESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>5.00</u>	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: <u>Yes</u> (No)	WNS Wing Score: <u>0</u>	Wing Photo ID:	Remarks:		
Time of Capture: <u>23:02</u>					
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = scrotal/epididymis swollen					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B113</u>
Height in meters captured above ground surface: <u>1</u> m					
Species: <u>DESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>5.00</u>	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: <u>Yes</u> (No)	WNS Wing Score: <u>1</u>	Wing Photo ID:	Remarks:		
Time of Capture: <u>23:02</u>					
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = scrotal/epididymis swollen					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>04 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B114</u>
Height in meters captured above ground surface: <u>1</u> m					
Species: <u>DESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>5.00</u>	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: <u>Yes</u> (No)	WNS Wing Score: <u>0</u>	Wing Photo ID:	Remarks:		
Time of Capture: <u>23:02</u>					

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Site 001</u>		Date: <u>04 Oct 2012</u>		Set No. <u>1</u>		Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B115</u>	
Height in meters captured above ground surface: <u>1 m</u>											
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Recapture Yes/No	Band Material	Band Color	Band Inscription
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>					<u>N</u>			
Time of Capture		Photo Taken		WNS Wing Score		Wing Photo ID:		Remarks:			
<u>23:02</u>		<u>Yes</u> <u>(N)</u>		<u>0</u>							
Repro. Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post-lactating; <u>SCR</u> = scrotal/epididymis swollen.											
Site Name Or Number: <u>PA SR 2619 Site 001</u>		Date: <u>04 Oct 2012</u>		Set No. <u>1</u>		Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B116</u>	
Height in meters captured above ground surface: <u>1 m</u>											
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Recapture Yes/No	Band Material	Band Color	Band Inscription
<u>MYLU</u>	<u>F</u>	<u>A</u>	<u>PL</u>	<u>9.0</u>	<u>31.6</u>	<u>6.5</u>	<u>MS</u>	<u>N</u>	<u>Metal</u>	<u>Silver</u>	<u>PAGE 55977</u>
Time of Capture		Photo Taken		WNS Wing Score		Wing Photo ID:		Remarks:			
<u>23:02</u>		<u>Yes</u> <u>(Y)</u>		<u>0</u>							
Repro. Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post-lactating; <u>SCR</u> = scrotal/epididymis swollen.											
Site Name Or Number: <u>PA SR 2619 Site 001</u>		Date: <u>04 Oct 2012</u>		Set No. <u>1</u>		Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B117</u>	
Height in meters captured above ground surface: <u>1 m</u>											
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Recapture Yes/No	Band Material	Band Color	Band Inscription
<u>MYLU</u>	<u>F</u>	<u>A</u>	<u>PL</u>	<u>10.0</u>	<u>38.3</u>	<u>6.5</u>	<u>13.7</u>	<u>N</u>	<u>Metal</u>	<u>Silver</u>	<u>PAGE 55978</u>
Time of Capture		Photo Taken		WNS Wing Score		Wing Photo ID:		Remarks:			
<u>23:02</u>		<u>Yes</u> <u>(Y)</u>		<u>0</u>							
Repro. Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post-lactating; <u>SCR</u> = scrotal/epididymis swollen.											

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: PA SR 2619 Site 001	Date: 04 Oct 2012	Set No. Captured In: 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B118
Height in meters captured above ground surface: 1 m				
Species MYLU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 9.0
Photo Taken (Yes / No) Yes	WNS Wing Score 0	Fore-arm 37.9	Tragus 6.2	Ear 13.7
Time of Capture 23:02	Wing Photo ID:	Body Measurements (grams and millimeters)		
		Recapture Yes/No N	Band Material Metal	Band Color Silver
		Band Inscription PAGE 55979	Band on Left/Right Right	Transmitter Attached? If so: Frequency (MHz)
Remarks:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrota/epididymis swollen				
Site Name Or Number: PA SR 2619 Site 001	Date: 04 Oct 2012	Set No. Captured In: 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B119
Height in meters captured above ground surface: 1 m				
Species MYLU	Sex M	Age A	Repro. Condition NR	Wt. (g) 8.5
Photo Taken (Yes / No) Yes	WNS Wing Score 0 / P2	Fore-arm 36.4	Tragus 5.5	Ear 12.5
Time of Capture 23:02	Wing Photo ID:	Body Measurements (grams and millimeters)		
		Recapture Yes/No N	Band Material Metal	Band Color Silver
		Band Inscription PAGE 55980	Band on Left/Right Right	Transmitter Attached? If so: Frequency (MHz)
Remarks:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrota/epididymis swollen				
Site Name Or Number: PA SR 2619 Site 001	Date: 04 October 2012	Set No. Captured In: 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B120
Height in meters captured above ground surface: 1 m				
Species DESU	Sex M	Age A	Repro. Condition SCR	Wt. (g)
Photo Taken (Yes / No) Yes	WNS Wing Score 0	Fore-arm	Tragus	Ear
Time of Capture 23:39	Wing Photo ID:	Body Measurements (grams and millimeters)		
		Recapture Yes/No N	Band Material	Band Color
		Band Inscription	Band on Left/Right Left/Right	Transmitter Attached? If so: Frequency (MHz)
Remarks:				

Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Site 001</u>		Date: <u>04 October 2012</u>		Set No. <u>1</u>		Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B121</u>	
Height in meters captured above ground surface: <u>1</u> m		Body Measurements (grams and millimeters)		Fore-arm		Hind Foot		Recapture Yes/No <u>N</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species <u>PEsu</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Material	Color	Band on Left/Right
Time of Capture <u>23:39</u>		Photo Taken Yes / <u>No</u>		WNS Wing Score <u>0</u>		Wing Photo ID:		Remarks:		Transmitter Attached? If so: Frequency (mHz)	

Site Name Or Number: <u>PA SR 2619 Site 001</u>		Date: <u>04 October 2012</u>		Set No. <u>1</u>		Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B122</u>	
Height in meters captured above ground surface: <u>1</u> m		Body Measurements (grams and millimeters)		Fore-arm		Hind Foot		Recapture Yes/No <u>N</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species <u>PEsu</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Material	Color	Band on Left/Right
Time of Capture <u>23:39</u>		Photo Taken Yes / <u>No</u>		WNS Wing Score <u>0/P3</u>		Wing Photo ID:		Remarks:		Transmitter Attached? If so: Frequency (mHz)	

Site Name Or Number: <u>PA SR 2619 Site 001</u>		Date: <u>04 October 2012</u>		Set No. <u>1</u>		Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B123</u>	
Height in meters captured above ground surface: <u>1</u> m		Body Measurements (grams and millimeters)		Fore-arm		Hind Foot		Recapture Yes/No <u>N</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species <u>PEsu</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Material	Color	Band on Left/Right
Time of Capture		Photo Taken Yes / <u>No</u>		WNS Wing Score		Wing Photo ID:		Remarks:		Transmitter Attached? If so: Frequency (mHz)	

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR2619 Sit 001	Date: 04 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B124
Height in meters captured above ground surface: 1 m					
Species: MYSE	Sex: M	Age: A	Repro. Condition: SCK	Wt. (g): 85	Fore-arm (mm): 36.0
Photo Taken: Yes	Ear: 15.4	Tragus: 7.9	Foot: 8.3	Band Material: Metal	Band Color: Silver
WNS Wing Score: 0	Remarks:				
Time of Capture: 23:39	Wing Photo ID:				
Repro. Condition: NR = nonreproductive, PG = pregnant, PL = lactating, PL = post lactating, SCR = serotalepididymis swollen					
Site Name Or Number: PA SR2619 Sit 001	Date: 05 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B125
Height in meters captured above ground surface: 1 m					
Species: PESU	Sex: F	Age: A	Repro. Condition: PL	Wt. (g): -	Fore-arm (mm): 36.1
Photo Taken: Yes	Ear: -	Tragus: -	Foot: -	Band Material: -	Band Color: -
WNS Wing Score: 1/P1	Remarks:				
Time of Capture: 19:33	Wing Photo ID:				
Repro. Condition: NR = nonreproductive, PG = pregnant, PL = lactating, PL = post lactating, SCR = serotalepididymis swollen					
Site Name Or Number: PA SR2619 Sit 001	Date: 05 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B126
Height in meters captured above ground surface: 1 m					
Species: PESU	Sex: F	Age: A	Repro. Condition: PL	Wt. (g): 7.5	Fore-arm (mm): 35.2
Photo Taken: Yes	Ear: -	Tragus: -	Foot: -	Band Material: -	Band Color: -
WNS Wing Score: 0	Remarks:				
Time of Capture: 19:45	Wing Photo ID:				
Repro. Condition: NR = nonreproductive, PG = pregnant, PL = lactating, PL = post lactating, SCR = serotalepididymis swollen					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SRZ619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B127</u>
Height in meters captured above ground surface: <u>1</u> m				
Species: <u>PESU</u>	Sex: <u>M</u> Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>8.0</u>	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: <u>Yes</u> / No	Ear: <u>SCR</u>	Fore-arm: <u>34.2</u>	Tragus: <u>34.2</u>	
WNS Wing Score: <u>0</u>	Wing Photo ID:	Remarks:		
<p>Body Measurements (grams and millimeters)</p> <p>Recapture Yes/No: <u>N</u> Band Material: <u>Color</u> Band Inscription: <u>Band on Left/Right</u></p>				
<p>Band Information (if banded)</p> <p>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)</p>				
<p>Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = serotinal/epididymis swollen</p>				
Site Name Or Number: <u>PA SRZ619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B129</u>
Height in meters captured above ground surface: <u>1</u> m				
Species: <u>PESU</u>	Sex: <u>M</u> Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>6.5</u>	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: <u>Yes</u> / No	Ear: <u>SCR</u>	Fore-arm: <u>31.8</u>	Tragus: <u>31.8</u>	
WNS Wing Score: <u>0 / P1</u>	Wing Photo ID:	Remarks:		
<p>Body Measurements (grams and millimeters)</p> <p>Recapture Yes/No: <u>N</u> Band Material: <u>Color</u> Band Inscription: <u>Band on Left/Right</u></p>				
<p>Band Information (if banded)</p> <p>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)</p>				
<p>Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = serotinal/epididymis swollen</p>				
Site Name Or Number: <u>PA SRZ619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B130</u>
Height in meters captured above ground surface: <u>1</u> m				
Species: <u>PESU</u>	Sex: <u>M</u> Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>7.5</u>	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: <u>Yes</u> / No	Ear: <u>SCR</u>	Fore-arm: <u>33.2</u>	Tragus: <u>33.2</u>	
WNS Wing Score: <u>0 / P1</u>	Wing Photo ID:	Remarks:		
<p>Body Measurements (grams and millimeters)</p> <p>Recapture Yes/No: <u>N</u> Band Material: <u>Color</u> Band Inscription: <u>Band on Left/Right</u></p>				
<p>Band Information (if banded)</p> <p>(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)</p>				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SP2619 Site 001	Date: 05 October 2012	Set No.	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B132
Height in meters captured above ground surface: 1 m					Transmitter Attached? If so: Frequency (MHz)
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.0	
Photo Taken: Yes	Photo ID: 0/P1	WNS Wing Score: 0/P1	Fore-arm (mm): 34.0	Tragus (mm):	Ear (mm):
Time of Capture: 19:45	Remarks:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PI = post lactating, SCR = serotally lactating, swollen					
Site Name Or Number: PA SP2619 Site 001	Date: 05 October 2012	Set No.	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B132
Height in meters captured above ground surface: 1 m					Transmitter Attached? If so: Frequency (MHz)
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 8.0	
Photo Taken: Yes	Photo ID: 0	WNS Wing Score: 0	Fore-arm (mm): 33.5	Tragus (mm):	Ear (mm):
Time of Capture: 19:58	Remarks:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PI = post lactating, SCR = serotally lactating, swollen					
Site Name Or Number: PA SP2619 Site 001	Date: 05 October 2012	Set No.	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B133
Height in meters captured above ground surface: 1 m					Transmitter Attached? If so: Frequency (MHz)
Species: PESU	Sex: F	Age: A	Repro. Condition: PL	Wt. (g): 7.5	
Photo Taken: Yes	Photo ID: 0	WNS Wing Score: 0	Fore-arm (mm): 34.5	Tragus (mm):	Ear (mm):
Time of Capture: 19:58	Remarks:				

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 2619 Site 001	Date: DEC 020	Set No.	Captured In:	1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B134
Height in meters captured above ground surface:	1 m					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.5	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (mHz)
	Photo Taken: Yes / No	Ear	Tragus	Fore-arm	Recapture Yes/No: N	
Time of Capture: 19:58	WNS Wing Score: 0	Wing Photo ID:	Remarks:			

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Site Name Or Number: PA SR 2619 Site 001	Date: DEC 020	Set No.	Captured In:	1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B135
Height in meters captured above ground surface:	1 m					
Species: PESU	Sex: F	Age: A	Repro. Condition: PL	Wt. (g): 8.0	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (mHz)
	Photo Taken: Yes / No	Ear	Tragus	Fore-arm	Recapture Yes/No: N	
Time of Capture: 19:58	WNS Wing Score: 0	Wing Photo ID:	Remarks:			

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Site Name Or Number: PA SR 2619 Site 001	Date: DEC 020	Set No.	Captured In:	1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B136
Height in meters captured above ground surface:	1 m					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.5	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (mHz)
	Photo Taken: Yes / No	Ear	Tragus	Fore-arm	Recapture Yes/No: N	
Time of Capture: 19:58	WNS Wing Score: 1	Wing Photo ID:	Remarks:			

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HVC = High Volume Capture, Quick Release

FORM P-70008-M
12/09
Section 3

COMMONWEALTH OF PENNSYLVANIA
Pennsylvania Game Commission

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 2619 Site 001		Date: 05 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B137
Height in meters captured above ground surface: 1 m						
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g)	WNS Wing Score	Wing Photo ID:
Photo Taken Yes / (No)			Remarks:			
Time of Capture 20:16						
<div>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotolepididymis swollen</div>						
Site Name Or Number: PA SR 2619 Site 001		Date: 05 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B138
Height in meters captured above ground surface: 1 m						
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g)	WNS Wing Score	Wing Photo ID:
Photo Taken Yes / (No)			Remarks:			
Time of Capture 20:16						
<div>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotolepididymis swollen</div>						
Site Name Or Number: PA SR 2619 Site 001		Date: 05 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B139
Height in meters captured above ground surface: 1 m						
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g)	WNS Wing Score	Wing Photo ID:
Photo Taken Yes / (No)			Remarks:			
Time of Capture 20:16						
<div>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotolepididymis swollen</div>						

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis* spp., (2) *Myotis* spp., (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR2619 Site 001	Date: 05 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman				*Capture Number: B48
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species PESU	Sex F	Age A	Repro. Condition NR	Wt. (g)	Fore-arm	Hind Foot	Recapture Yes/No N
Photo Taken Yes / (No)	WNS Wing Score 0	Wing Photo ID: Remarks:					

Site Name Or Number: PA SR2619 Site 001	Date: 05 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman				*Capture Number: B48
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g)	Fore-arm	Hind Foot	Recapture Yes/No N
Photo Taken Yes / (No)	WNS Wing Score 0	Wing Photo ID: Remarks:					

Site Name Or Number: PA SR2619 Site 001	Date: 05 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman				*Capture Number: B48
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species MYLU	Sex M	Age A	Repro. Condition NR	Wt. (g)	Fore-arm	Hind Foot	Recapture Yes/No Y
Photo Taken Yes / (No)	WNS Wing Score —	Wing Photo ID: Remarks:					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 2619 Site 001	Date: 05 October 2012	Set No.	Captured In:	Name of Person Identifying the Bat: MS Fishman	*Capture Number: 3143
Height in meters captured above ground surface:					
Species: MYLU	Sex: M	Age: A	Photo Taken: Yes / No	WNS Wing Score: —	Wing Photo ID:
Time of Capture: 20:16					
Remarks:					

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Repro: Condition: NR = nonreproductive PG = pregnant PL = lactating PL = post lactating SCR = serotalepididymis swollen

Site Name Or Number: PA SR 2619 Site 001	Date: 05 October 2012	Set No.	Captured In:	Name of Person Identifying the Bat: MS Fishman	*Capture Number: 3144
Height in meters captured above ground surface:					
Species: MYLU	Sex: M	Age: A	Photo Taken: Yes / No	WNS Wing Score: 9.0	Wing Photo ID:
Time of Capture: 20:16					
Remarks:					

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Repro: Condition: NR = nonreproductive PG = pregnant PL = lactating PL = post lactating SCR = serotalepididymis swollen

Site Name Or Number: PA SR 2619 Site 001	Date: 05 October 2012	Set No.	Captured In:	Name of Person Identifying the Bat: MS Fishman	*Capture Number: 3145
Height in meters captured above ground surface:					
Species: MYLU	Sex: M	Age: A	Photo Taken: Yes / No	WNS Wing Score: 10.0	Wing Photo ID:
Time of Capture: 20:16					
Remarks:					

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SP 2619	SEC 020 5th 021	Date: 05 October 2012	Set No. 1	Captured In:	Name of Person Identifying the Bat: NS Fishman	*Capture Number: B48
Height in meters captured above ground surface:						
Species PESU	Sex M	Age A	Repro. Condition SCR	WNS Wing Score 0	Wt. (g) 7.5	Transmitter Attached? If so: Frequency (mHz)
Photo Taken (Yes) / No	Ear		Tragus	Fore-arm 33.1	Hind Foot	
Time of Capture 20:30	WNS Wing Score		Wing Photo ID:		Remarks:	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: PA SP 2619	SEC 020 5th 021	Date: 05 October 2012	Set No. 1	Captured In:	Name of Person Identifying the Bat: NS Fishman	*Capture Number: B47
Height in meters captured above ground surface:						
Species PESU	Sex M	Age A	Repro. Condition SCR	WNS Wing Score 7.0	Wt. (g) 7.0	Transmitter Attached? If so: Frequency (mHz)
Photo Taken (Yes) / No	Ear		Tragus	Fore-arm 32.8	Hind Foot	
Time of Capture 26:46	WNS Wing Score		Wing Photo ID:		Remarks:	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: PA SP 2619	SEC 020 5th 021	Date: 05 October 2012	Set No. 1	Captured In:	Name of Person Identifying the Bat: NS Fishman	*Capture Number: B48
Height in meters captured above ground surface:						
Species PESU	Sex M	Age A	Repro. Condition SCR	WNS Wing Score 7.0	Wt. (g) 7.0	Transmitter Attached? If so: Frequency (mHz)
Photo Taken (Yes) / No	Ear		Tragus	Fore-arm 34.8	Hind Foot	
Time of Capture 20:46	WNS Wing Score		Wing Photo ID:		Remarks:	

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR2619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B188</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.5</u>
Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0/P1</u>	Fore-arm <u>35.8</u>	Tragus <u>—</u>	Hind Foot <u>—</u>
Time of Capture <u>20:46</u>	Wing Photo ID: <u>—</u>	Remarks: <u>—</u>		

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Site Name Or Number: <u>PA SR2619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B188</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.5</u>
Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>—</u>	Fore-arm <u>—</u>	Tragus <u>—</u>	Hind Foot <u>—</u>
Time of Capture <u>20:46</u>	Wing Photo ID: <u>—</u>	Remarks: <u>Escape</u>		

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Site Name Or Number: <u>PA SR2619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B188</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.5</u>
Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>1/P1</u>	Fore-arm <u>33.7</u>	Tragus <u>—</u>	Hind Foot <u>—</u>
Time of Capture <u>20:46</u>	Wing Photo ID: <u>—</u>	Remarks: <u>—</u>		

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 site 001</u>		Date: <u>05 October 2012</u>		Set No. <u>1</u>		Captured In: <u>MS Fishman</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B151</u>	
Height in meters captured above ground surface:											
Species	<u>PESU</u>	Sex	<u>M</u>	Age	<u>A</u>	Repro. Condition	<u>SCR</u>	Wt. (g)	<u>7.5</u>	Body Measurements (grams and millimeters)	
		Photo Taken	<u>Yes</u> / <u>No</u>			WNS Wing Score	<u>0/P1</u>				
Time of Capture	<u>20:46</u>	Remarks:									
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = scrotal/epididymis swollen											
Site Name Or Number: <u>PA SR 2619 site 001</u>		Date: <u>05 October 2012</u>		Set No. <u>1</u>		Captured In: <u>MS Fishman</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B152</u>	
Height in meters captured above ground surface:											
Species	<u>PESU</u>	Sex	<u>M</u>	Age	<u>A</u>	Repro. Condition	<u>SCR</u>	Wt. (g)	<u>7.5</u>	Body Measurements (grams and millimeters)	
		Photo Taken	<u>Yes</u> / <u>No</u>			WNS Wing Score	<u>0/P5</u>				
Time of Capture	<u>20:46</u>	Remarks:									
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = scrotal/epididymis swollen											
Site Name Or Number: <u>PA SR 2619 site 001</u>		Date: <u>05 October 2012</u>		Set No. <u>1</u>		Captured In: <u>MS Fishman</u>		Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B153</u>	
Height in meters captured above ground surface:											
Species	<u>PESU</u>	Sex	<u>M</u>	Age	<u>A</u>	Repro. Condition	<u>SCR</u>	Wt. (g)	<u>7.5</u>	Body Measurements (grams and millimeters)	
		Photo Taken	<u>Yes</u> / <u>No</u>			WNS Wing Score	<u>0</u>				
Time of Capture	<u>21:03</u>	Remarks:									

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA 282619 Site 001		Date: 03 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B154
Height in meters captured above ground surface: 1 m						
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 7.5	Ear	Tragus 34.6
Photo Taken Yes / (No)			WNS Wing Score		Wing Photo ID:	
Time of Capture 21:03						
Remarks:						
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrota/epididymis swollen						
Site Name Or Number: PA 282619 Site 001		Date: 03 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B155
Height in meters captured above ground surface: 1 m						
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 7.5	Ear	Tragus 35.2
Photo Taken Yes / (No)			WNS Wing Score		Wing Photo ID:	
Time of Capture 21:03						
Remarks:						
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrota/epididymis swollen						
Site Name Or Number: PA 282619 Site 001		Date: 03 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B156
Height in meters captured above ground surface: 1 m						
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 8.0	Ear	Tragus 34.0
Photo Taken Yes / (No)			WNS Wing Score		Wing Photo ID:	
Time of Capture 21:03						
Remarks:						
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrota/epididymis swollen						

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: PA SR2619 Site 001	Date: 05 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman				*Capture Number: B157
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 7.0	Ear	Tragus	Fore-arm 33.7
Time of Capture 21:03	Photo Taken Yes / No	WNS Wing Score 0	Wing Photo ID:		Remarks:		
Repro: Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen.							
Site Name Or Number: PA SR2619 Site 001	Date: 05 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman				*Capture Number: B158
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 7.5	Ear	Tragus	Fore-arm 33.5
Time of Capture 21:03	Photo Taken Yes / No	WNS Wing Score 0	Wing Photo ID:		Remarks:		
Repro: Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen.							
Site Name Or Number: PA SR2619 Site 001	Date: 05 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman				*Capture Number: B159
Height in meters captured above ground surface: 1 m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 7.5	Ear	Tragus	Fore-arm 33.7
Time of Capture 21:03	Photo Taken Yes / No	WNS Wing Score 0 / P1	Wing Photo ID:		Remarks:		

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR2619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B140</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>8.0</u>
Time of Capture <u>21:17</u>	Photo Taken <u>(Yes) (No)</u>	WNS Wing Score <u>0.182</u>	Wing Photo ID:	Remarks:
Body Measurements (grams and millimeters) Ear <u> </u> Tragus <u> </u> Fore-arm <u>35.3</u> Hind Foot <u> </u>				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u> </u> Band Color <u> </u> Band Inscription <u> </u> Band on Left/Right <u> </u>				
Transmitter Attached? If so: Frequency (MHz) <u> </u>				
Repto. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>PA SR2619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B141</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.5</u>
Time of Capture <u>21:17</u>	Photo Taken <u>(Yes) (No)</u>	WNS Wing Score <u>0</u>	Wing Photo ID:	Remarks:
Body Measurements (grams and millimeters) Ear <u> </u> Tragus <u> </u> Fore-arm <u>34.7</u> Hind Foot <u> </u>				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u> </u> Band Color <u> </u> Band Inscription <u> </u> Band on Left/Right <u> </u>				
Transmitter Attached? If so: Frequency (MHz) <u> </u>				
Repto. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>PA SR2619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B142</u>
Height in meters captured above ground surface: <u>1</u> m				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.0</u>
Time of Capture <u>21:31</u>	Photo Taken <u>(Yes) (No)</u>	WNS Wing Score <u>0.181</u>	Wing Photo ID:	Remarks:
Body Measurements (grams and millimeters) Ear <u> </u> Tragus <u> </u> Fore-arm <u>33.4</u> Hind Foot <u> </u>				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u> </u> Band Color <u> </u> Band Inscription <u> </u> Band on Left/Right <u> </u>				
Transmitter Attached? If so: Frequency (MHz) <u> </u>				

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B163</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>80</u>	Transmitter Attached? If so: Frequency (mHz)
Photo Taken Yes / <u>No</u>		WNS Wing Score <u>0</u>		Wing Photo ID:	
Time of Capture <u>21:31</u>		Remarks:			
<p>Body Measurements (grams and millimeters)</p> <p>Fore-arm <u>33.7</u> Hind Foot <u> </u></p> <p>Tragus <u> </u> Ear <u> </u></p>					
Band Information (if banded)		Band Information (if banded)		Band Information (if banded)	
Recapture Yes/No <u>N</u>	Band Material <u> </u>	Band Color <u> </u>	Band Inscription <u> </u>	Band on Left/Right <u> </u>	Band on Left/Right <u> </u>
<p>Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = serotalepidiomyis swollen</p>					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B164</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>75</u>	Transmitter Attached? If so: Frequency (mHz)
Photo Taken Yes / <u>No</u>		WNS Wing Score <u>0 / PL</u>		Wing Photo ID:	
Time of Capture <u>21:31</u>		Remarks:			
<p>Body Measurements (grams and millimeters)</p> <p>Fore-arm <u>35.7</u> Hind Foot <u> </u></p> <p>Tragus <u> </u> Ear <u> </u></p>					
Band Information (if banded)		Band Information (if banded)		Band Information (if banded)	
Recapture Yes/No <u>N</u>	Band Material <u> </u>	Band Color <u> </u>	Band Inscription <u> </u>	Band on Left/Right <u> </u>	Band on Left/Right <u> </u>
<p>Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = serotalepidiomyis swollen</p>					
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B164</u>
Height in meters captured above ground surface: <u>1</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>70</u>	Transmitter Attached? If so: Frequency (mHz)
Photo Taken Yes / <u>No</u>		WNS Wing Score <u>0</u>		Wing Photo ID:	
Time of Capture <u>21:31</u>		Remarks:			
<p>Body Measurements (grams and millimeters)</p> <p>Fore-arm <u>33.9</u> Hind Foot <u> </u></p> <p>Tragus <u> </u> Ear <u> </u></p>					
Band Information (if banded)		Band Information (if banded)		Band Information (if banded)	
Recapture Yes/No <u>N</u>	Band Material <u> </u>	Band Color <u> </u>	Band Inscription <u> </u>	Band on Left/Right <u> </u>	Band on Left/Right <u> </u>

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 2619 Site 001	Date: 05 October 2012	Set No. Captured In: 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B167
Height in meters captured above ground surface: 1 m	Repro. Condition: SCR	WNS Wing Score	Photo Taken: Yes / (No)	Wing Photo ID:
Species: MYLU	Sex: M	Age: A	Wt. (g):	Repro. Condition: SCR
Body Measurements (grams and millimeters)	Fore-arm:	Tragus:	Ear:	Wt. (g):
Recapture Yes/No: Y	Band Material: Metal	Band Color: Silver	Band Inscription: PAGC 55876	Band on Left/Right: Right
Transmitter Attached? If so: (mHz):				
Remarks: Recapture - no count				

Site Name Or Number: PA SR 2619 Site 001	Date: 05 October 2012	Set No. Captured In: 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B167
Height in meters captured above ground surface: 1 m	Repro. Condition: SCR	WNS Wing Score	Photo Taken: Yes / (No)	Wing Photo ID:
Species: MYLU	Sex: M	Age: A	Wt. (g):	Repro. Condition: SCR
Body Measurements (grams and millimeters)	Fore-arm:	Tragus:	Ear:	Wt. (g):
Recapture Yes/No: Y	Band Material: Metal	Band Color: Silver	Band Inscription: PAGC 55975	Band on Left/Right: Right
Transmitter Attached? If so: (mHz):				
Remarks:				

Site Name Or Number: PA SR 2619 Site 001	Date: 05 October 2012	Set No. Captured In: 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B167
Height in meters captured above ground surface: 1 m	Repro. Condition: SCR	WNS Wing Score	Photo Taken: Yes / (No)	Wing Photo ID:
Species: MYLU	Sex: M	Age: A	Wt. (g):	Repro. Condition: SCR
Body Measurements (grams and millimeters)	Fore-arm:	Tragus:	Ear:	Wt. (g):
Recapture Yes/No: Y	Band Material: Metal	Band Color: Silver	Band Inscription: PAGC 55855	Band on Left/Right: Right
Transmitter Attached? If so: (mHz):				
Remarks:				

COMMONWEALTH OF PENNSYLVANIA

Pennsylvania Game Commission

Page# B57 of**Bat Measurement and Capture Data Form**(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B168</u>
Height in meters captured above ground surface: <u>1</u> m				
Species: <u>MYLU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>9.5</u>
Photo Taken: <u>(Yes) / No</u>	WNS Wing Score: <u>0/p1</u>	Wing Photo ID:	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (mHz)
Time of Capture: <u>21:31</u>			Recapture Yes/No: <u>N</u>	Band Material: <u>metal</u>
			Band Color: <u>Silver</u>	Band Inscription: <u>PAGE 55984</u>
			Band Left/Right: <u>Right</u>	
Remarks:				
Repro. Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post lactating; <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B169</u>
Height in meters captured above ground surface: <u>1</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>9.0</u>
Photo Taken: <u>(Yes) / No</u>	WNS Wing Score: <u>0</u>	Wing Photo ID:	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (mHz)
Time of Capture: <u>21:45</u>			Recapture Yes/No: <u>N</u>	Band Material: <u></u>
			Band Color: <u></u>	Band Inscription: <u></u>
			Band Left/Right: <u></u>	
Remarks:				
Repro. Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post lactating; <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>PA SR 2619 Site 001</u>	Date: <u>05 October 2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>	*Capture Number: <u>B170</u>
Height in meters captured above ground surface: <u>1</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>7.5</u>
Photo Taken: <u>(Yes) / No</u>	WNS Wing Score: <u>0/p1</u>	Wing Photo ID:	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (mHz)
Time of Capture: <u>22:00</u>			Recapture Yes/No: <u>N</u>	Band Material: <u></u>
			Band Color: <u></u>	Band Inscription: <u></u>
			Band Left/Right: <u></u>	
Remarks:				
Repro. Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post lactating; <u>SCR</u> = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA SP2619 Site 001</u>		Date: <u>05 October 2012</u>		Set No. <u>1</u>		Captured In: <u>MS Fishman</u>		*Capture Number: <u>172</u>	
Height in meters captured above ground surface: <u>1</u> m									
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (MHz)
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>7.0</u>	<u>34.1</u>			Recapture Yes/No <u>N</u> Band Material <u>Color</u> <u>Inscription</u> <u>Band</u> <u>Left/Right</u>	
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID:					
<u>22:19</u>	<u>Yes</u> / <u>No</u>	<u>0</u>		Remarks:					

Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = sonotape/diary mis-swollen									
Site Name Or Number: <u>PA SP2619 Site 001</u>		Date: <u>05 October 2012</u>		Set No. <u>1</u>		Captured In: <u>MS Fishman</u>		*Capture Number: <u>173</u>	
Height in meters captured above ground surface: <u>1</u> m									
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (MHz)
<u>PESU</u>	<u>F</u>	<u>A</u>	<u>PL</u>	<u>8.0</u>	<u>33.0</u>			Recapture Yes/No <u>N</u> Band Material <u>Color</u> <u>Inscription</u> <u>Band</u> <u>Left/Right</u>	
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID:					
<u>22:19</u>	<u>Yes</u> / <u>No</u>	<u>0</u>		Remarks:					

Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = sonotape/diary mis-swollen									
Site Name Or Number: <u>PA SP2619 Site 001</u>		Date: <u>05 October 2012</u>		Set No. <u>1</u>		Captured In: <u>MS Fishman</u>		*Capture Number: <u>174</u>	
Height in meters captured above ground surface: <u>1</u> m									
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (MHz)
<u>MYLU</u>	<u>M</u>	<u>A</u>	<u>NR</u>	<u>9.5</u>	<u>40.2</u>	<u>6.5</u>	<u>132</u>	Recapture Yes/No <u>N</u> Band Material <u>Silver</u> <u>PAGE 5585</u> <u>Color</u> <u>Inscription</u> <u>Band</u> <u>Left/Right</u>	
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID:					
<u>22:19</u>	<u>Yes</u> / <u>No</u>	<u>0</u>		Remarks:					

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 2619	SEC 020 3.1.001	Date: 05 October 2012	Set No.	Captured In:	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B175
Height in meters captured above ground surface:						
Species: MYLU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 8.5	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
	Photo Taken: Yes / No				Recapture Yes/No: N	Band on Left/Right: Right
Time of Capture: 22:19	WNS Wing Score: 0		Wing Photo ID:		Transmitter Attached? if so: Frequency (mHz):	
Remarks:						
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotally/diutymis swollen						
Site Name Or Number: PA SR 2619	SEC 020 3.1.001	Date: 05 October 2012	Set No.	Captured In:	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B176
Height in meters captured above ground surface:						
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.0	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
	Photo Taken: Yes / No				Recapture Yes/No: N	Band on Left/Right: Left/Right
Time of Capture: 22:36	WNS Wing Score: 0		Wing Photo ID:		Transmitter Attached? if so: Frequency (mHz):	
Remarks: 11-20-12 No picture						
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotally/diutymis swollen						
Site Name Or Number: PA SR 2619	SEC 020 3.1.001	Date: 05 October 2012	Set No.	Captured In:	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B177
Height in meters captured above ground surface:						
Species: PESU	Sex: -	Age: -	Repro. Condition: -	Wt. (g): -	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
	Photo Taken: Yes / No				Recapture Yes/No: N	Band on Left/Right: Left/Right
Time of Capture: 23:20	WNS Wing Score: -		Wing Photo ID:		Transmitter Attached? if so: Frequency (mHz):	
Remarks: Escape at trap when removed						

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 2619 site 001	Date: 09 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B178
Height in meters captured above ground surface: 1 m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: 0/PL
Time of Capture: 20:03	Photo Taken: Yes	No	Wing Photo ID:	Remarks:
Body Measurements (grams and millimeters)				
Fore-arm	Tragus	Ear	Wt. (g)	Repro. Condition
33.7			6.5	SCR
Band Information (if banded)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
N				
Transmitter Attached? if so: Frequency (MHz)				
Remarks:				
Repro. Condition: NR=nonreproductive, PG=pregnant, L=lactating, PL=post-lactating, SCR=serotalepididymis swollen				
Site Name Or Number: PA SR 2619 site 001	Date: 09 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B179
Height in meters captured above ground surface: m				
Species: MYSE	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: 80
Time of Capture: 20:03	Photo Taken: Yes	No	Wing Photo ID:	Remarks:
Body Measurements (grams and millimeters)				
Fore-arm	Tragus	Ear	Wt. (g)	Repro. Condition
				SCR
Band Information (if banded)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
Y	Metal	Silver	PAGE 55872	Right
Transmitter Attached? if so: Frequency (MHz)				
Remarks:				
Repro. Condition: NR=nonreproductive, PG=pregnant, L=lactating, PL=post-lactating, SCR=serotalepididymis swollen				
Site Name Or Number: PA SR 2619 site 001	Date: 09 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B180
Height in meters captured above ground surface: 1 m				
Species: MYSE	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: 80
Time of Capture: 20:03	Photo Taken: Yes	No	Wing Photo ID:	Remarks:
Body Measurements (grams and millimeters)				
Fore-arm	Tragus	Ear	Wt. (g)	Repro. Condition
			80	SCR
Band Information (if banded)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
Y	Metal	Silver	PAGE 55886	Right
Transmitter Attached? if so: Frequency (MHz)				
Remarks:				
Repro. Condition: NR=nonreproductive, PG=pregnant, L=lactating, PL=post-lactating, SCR=serotalepididymis swollen				

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>PA 822619 Site 001</u>	Date: <u>09 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B181</u>
Height in meters captured above ground surface: <u>1</u> m					
Species	Sex	Age	Repro. Condition	Wt. (g)	Transmitter Attached? If so: Frequency (mHz)
Photo Taken	Yes / No	WNS Wing Score	Wing Photo ID:		
<u>20:03</u>	<u>Yes / No</u>		Remarks: <u>Escape from plastic bin, believed to be a MYLU</u>		
Repro. Condition: NR = nonreproductive; PG = pregnant; L = lactating; PL = post lactating; SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>PA 822619 Site 001</u>	Date: <u>09 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B182</u>
Height in meters captured above ground surface: <u>1</u> m					
Species	Sex	Age	Repro. Condition	Wt. (g)	Transmitter Attached? If so: Frequency (mHz)
<u>PEBU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>7.5</u>	
Photo Taken	Yes / No	WNS Wing Score	Wing Photo ID:		
<u>20:27</u>	<u>Yes / No</u>	<u>0</u>	Remarks:		
Repro. Condition: NR = nonreproductive; PG = pregnant; L = lactating; PL = post lactating; SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>PA 822619 Site 001</u>	Date: <u>09 October 2012</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>MS Fishman</u>		*Capture Number: <u>B183</u>
Height in meters captured above ground surface: <u>1</u> m					
Species	Sex	Age	Repro. Condition	Wt. (g)	Transmitter Attached? If so: Frequency (mHz)
<u>PEBU</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>7.5</u>	
Photo Taken	Yes / No	WNS Wing Score	Wing Photo ID:		
<u>20:27</u>	<u>Yes / No</u>	<u>0</u>	Remarks:		

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 2619 Sit 001	Date: 09 October 2012	Set No. 1	Captured In: 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B184
Height in meters captured above ground surface: 1 m					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.5	Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.) Recapture Yes/No: N
Photo Taken: Yes / No	Ear: 16.2	Tragus: 8.8	Fore-arm: 36.4	Hind Foot: 8.2	Band Material: Metal
WNS Wing Score: 0/P1	Wing Photo ID:				Band Color: Silver
Time of Capture: 20:27	Remarks:				Transmitter Attached? if so: Frequency (MHz)
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotalepididymis swollen					
Site Name Or Number: PA SR 2619 Sit 001	Date: 09 October 2012	Set No. 1	Captured In: 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B185
Height in meters captured above ground surface: 1 m					
Species: MYSE	Sex: M	Age: J?	Repro. Condition: NR	Wt. (g): 7.5	Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.) Recapture Yes/No: N
Photo Taken: Yes / No	Ear: 16.2	Tragus: 8.8	Fore-arm: 36.4	Hind Foot: 8.2	Band Material: Metal
WNS Wing Score: 0/P1	Wing Photo ID:				Band Color: Silver
Time of Capture: 20:27	Remarks:				Transmitter Attached? if so: Frequency (MHz)
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotalepididymis swollen					
Site Name Or Number: PA SR 2619 Sit 001	Date: 09 October 2012	Set No. 1	Captured In: 1	Name of Person Identifying the Bat: MS Fishman	*Capture Number: B186
Height in meters captured above ground surface: 1 m					
Species: MYLU	Sex: F	Age: A	Repro. Condition: PL	Wt. (g): 8.5	Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.) Recapture Yes/No: N
Photo Taken: Yes / No	Ear: 14.4	Tragus: 6.4	Fore-arm: 36.5	Hind Foot: 8.0	Band Material: Metal
WNS Wing Score: 0/P1	Wing Photo ID:				Band Color: Silver
Time of Capture: 20:46	Remarks:				Transmitter Attached? if so: Frequency (MHz)

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: PA SR 2019 Site 001		Date: 29 October 2012	Set No. 1	Name of Person Identifying the Bat: MS Fishman		*Capture Number: B 187
Height in meters captured above ground surface:						
Species MYLU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 8.5	Ear 14.0	Tragus 6.8
Photo Taken Yes / No			WNS Wing Score C	Fore-arm 36.3	Hind Foot 8.1	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: N Band Material: Metal Band Color: Silver Band Inscription: PAC5590 Band on Left/Right: Right
Time of Capture 20:46	Wing Photo ID: Remarks:					
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen.						
Site Name Or Number:		Date:	Set No.	Name of Person Identifying the Bat:		*Capture Number:
Height in meters captured above ground surface:						
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus
Photo Taken Yes / No			WNS Wing Score	Fore-arm	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: Band Material: Band Color: Band Inscription: Band on Left/Right:
Time of Capture	Wing Photo ID: Remarks:					
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen.						
Site Name Or Number: PA SR 2019 Site 001		Date:	Set No.	Name of Person Identifying the Bat:		*Capture Number:
Height in meters captured above ground surface:						
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus
Photo Taken Yes / No			WNS Wing Score	Fore-arm	Hind Foot	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: Band Material: Band Color: Band Inscription: Band on Left/Right:
Time of Capture	Wing Photo ID: Remarks:					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219, Site #1</u>		Date: <u>10/13/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyl</u>		*Capture Number: <u>C04</u>
Height in meters captured above ground surface:						
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>9.4</u>	Wing Score <u>7</u>	Tragus arm <u>36.5</u>
Photo Taken Yes / No <u>Yes</u>			WNS Wing Score <u>7</u>			
Time of Capture <u>2004</u>						
Remarks: <u>2 scats on right wing, finger bent</u>						
<div> <div> Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen </div> <div> Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) </div> </div>						
Name of Person Identifying the Bat: <u>J. Zeyl</u>		*Capture Number: <u>C02</u>	Transmitter Attached? If so: Frequency (mHz)			
Height in meters captured above ground surface:						
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>9.4</u>	Wing Score <u>7</u>	Tragus arm <u>36.5</u>
Photo Taken Yes / No <u>Yes</u>			WNS Wing Score <u>7</u>			
Time of Capture <u>2004</u>						
Remarks: <u>2 scats on right wing, finger bent</u>						
<div> <div> Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen </div> <div> Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) </div> </div>						
Name of Person Identifying the Bat: <u>J. Zeyl</u>		*Capture Number: <u>C03</u>	Transmitter Attached? If so: Frequency (mHz)			
Height in meters captured above ground surface:						
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>9.4</u>	Wing Score <u>7</u>	Tragus arm <u>36.5</u>
Photo Taken Yes / No <u>Yes</u>			WNS Wing Score <u>7</u>			
Time of Capture <u>2004</u>						
Remarks: <u>2 scats on right wing, finger bent</u>						

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>86219, Site #1</u>		Date: <u>10/13/12</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>S. Zey2ws</u>		*Capture Number: <u>504</u>
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded)		
Species <u>MYSE</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCK</u>	Wt. (g) <u>16</u>	Fore- arm <u>36</u>	Hind Foot <u>7</u>
Time of Capture <u>2104</u>	Photo Taken <u>Yes</u> / No	WNS Wing Score <u>0</u>	Wing Photo ID: <u>Photos 7074-7076</u>			
Remarks:						

Site Name Or Number: <u>86219, Site #1</u>		Date: <u>10/13/12</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>S. Zey2ws</u>		*Capture Number: <u>508</u>
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded)		
Species <u>MYSE</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>17.2</u>	Fore- arm <u>34.5</u>	Hind Foot <u>6.5</u>
Time of Capture <u>2104</u>	Photo Taken <u>Yes</u> / No	WNS Wing Score <u>0</u>	Wing Photo ID: <u>Photos: 7077-7078</u>			
Remarks:						

Site Name Or Number: <u>86219, Site #1</u>		Date: <u>10/13/12</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>S. Zey2ws</u>		*Capture Number: <u>506</u>
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded)		
Species <u>MYSA</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCK</u>	Wt. (g) <u>6.7</u>	Fore- arm <u>36</u>	Hind Foot <u>7</u>
Time of Capture <u>2104</u>	Photo Taken <u>Yes</u> / No	WNS Wing Score <u>0</u>	Wing Photo ID: <u>Photos: 7079</u>			
Remarks:						

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis sodalis, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: SR029, Site #1		Date: 10/13/12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeyzus	*Capture Number: C07
Height in meters captured above ground surface:					
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm
MySB	M	A	SCR	7.9	37
Photo Taken			WNS Wing Score	Tragus	Hind Foot
2104			8	10	6.5
Remarks: Photos: 7880					
Body Measurements (grams and millimeters)					
Ear		Fore-arm	Hind Foot	Recapture Yes/No	Band Information (if banded)
16.5		37	6.5	N	(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Material		Color	Inscription	Band	Band on Left/Right
Metal		Silver	55995		R
Transmitter Attached? If so: Frequency (MHz)					

Site Name Or Number: SR029, Site #1		Date: 10/13/12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeyzus	*Capture Number: C08
Height in meters captured above ground surface:					
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm
MySB	M	A	SCR		
Photo Taken			WNS Wing Score	Tragus	Hind Foot
2104					
Remarks:					
Body Measurements (grams and millimeters)					
Ear		Fore-arm	Hind Foot	Recapture Yes/No	Band Information (if banded)
				Y	(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Material		Color	Inscription	Band	Band on Left/Right
Metal		Silver	55947		R
Transmitter Attached? If so: Frequency (MHz)					

Site Name Or Number: SR029, Site #1		Date: 10/13/12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeyzus	*Capture Number: C09
Height in meters captured above ground surface:					
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm
MyLU	M	A	SCR	8.4	36
Photo Taken			WNS Wing Score	Tragus	Hind Foot
2104			8	6.5	8
Remarks: Photos: 7861 - 7884					
Body Measurements (grams and millimeters)					
Ear		Fore-arm	Hind Foot	Recapture Yes/No	Band Information (if banded)
14		36	8	N	(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Material		Color	Inscription	Band	Band on Left/Right
Metal		Silver	55996		R
Transmitter Attached? If so: Frequency (MHz)					

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/13/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zey ZWS</u>	*Capture Number: <u>C10</u>
Height in meters captured above ground surface:					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>8.5</u>	Fore-arm <u>37</u>
Time of Capture <u>2104</u>	Photo Taken <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>7085-7087</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>NO</u> Band Material: <u>metal</u> Band Color: <u>silver</u> Band Inscription: <u>55997</u> Band on Left/Right: <u>R</u>	Transmitter Attached? If so: Frequency (mHz)
Remarks:					

Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/13/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zey ZWS</u>	*Capture Number: <u>C11</u>
Height in meters captured above ground surface:					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NK</u>	Wt. (g) <u>8.5</u>	Fore-arm <u>35.5</u>
Time of Capture <u>2104</u>	Photo Taken <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>7088-7090</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>N</u> Band Material: <u>metal</u> Band Color: <u>silver</u> Band Inscription: <u>55998</u> Band on Left/Right: <u>R</u>	Transmitter Attached? If so: Frequency (mHz)
Remarks: <u>left wing = 4 photo?</u>					

Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/13/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zey ZWS</u>	*Capture Number: <u>C12</u>
Height in meters captured above ground surface:					
Species <u>MYSL</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>8.2</u>	Fore-arm <u>36</u>
Time of Capture <u>2104</u>	Photo Taken <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>7091-7094</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>N</u> Band Material: <u>metal</u> Band Color: <u>silver</u> Band Inscription: <u>55999</u> Band on Left/Right: <u>R</u>	Transmitter Attached? If so: Frequency (mHz)
Remarks: <u>Banding and left wing with a few small scars.</u>					

*Capture Number = number in sequence by site.

GB 11/1/12

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219, Site #1</u>		Date: <u>10/13/12</u>		Set No. Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>J. Zeyzus</u>		*Capture Number: <u>C13</u>	
Height in meters captured above ground surface:		m		Repro. Condition		Age		Sex	
Species: <u>MYSE</u>		<u>NR</u>		<u>A</u>		<u>A</u>		<u>F</u>	
Photo Taken Yes / No		WNS Wing Score		Wing Photo ID:		Remarks:			
<u>2104</u>		<u>0</u>		<u>Photos 7095</u>		<u>LW - 1 pinhole, LW - 3 pinholes</u>			
<p>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = sexual/epididymis swollen</p>									
Site Name Or Number: <u>SR6219, Site #1</u>		Date: <u>10/13/12</u>		Set No. Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>J. Zeyzus</u>		*Capture Number: <u>C14</u>	
Height in meters captured above ground surface:		m		Repro. Condition		Age		Sex	
Species: <u>MYLU</u>		<u>NR</u>		<u>A</u>		<u>A</u>		<u>M</u>	
Photo Taken Yes / No		WNS Wing Score		Wing Photo ID:		Remarks:			
<u>2104</u>		<u>0</u>		<u>Photos 7096-7099</u>		<u># NO more bands</u>			
<p>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = sexual/epididymis swollen</p>									
Site Name Or Number: <u>SR6219, Site #1</u>		Date: <u>10/13/12</u>		Set No. Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>J. Zeyzus</u>		*Capture Number: <u>C15</u>	
Height in meters captured above ground surface:		m		Repro. Condition		Age		Sex	
Species: <u>MYLU</u>		<u>SCR</u>		<u>A</u>		<u>A</u>		<u>M</u>	
Photo Taken Yes / No		WNS Wing Score		Wing Photo ID:		Remarks:			
<u>2104</u>		<u>0</u>		<u>Photos 5588</u>		<u>SCR - sexual/epididymis swollen</u>			
<p>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = sexual/epididymis swollen</p>									
Body Measurements (grams and millimeters)		Wt. (g)		Fore-arm		Hind Foot		Recapture Yes/No	
Ear		Tragus		Fore-arm		Hind Foot		Recapture Yes/No	
<u>16</u>		<u>11</u>		<u>36</u>		<u>7</u>		<u>N</u>	
Band Information (if banded)		Band Material		Band Color		Band Inscription		Band on Left/Right	
<u>metal</u>		<u>silver</u>		<u>5588</u>		<u>L</u>			
Transmitter Attached? If so: Frequency (mHz)									

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR029, Site # 4</u>	Date: <u>10/13/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>J. Veyrus</u>		*Capture Number: <u>NH</u>
Height in meters captured above ground surface:					
Species: <u>MyS6</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SK</u>	Wt. (g):	
Photo Taken: <u>Yes</u> / <u>No</u>	WNS Wing Score:		Wing Photo ID:		
Time of Capture: <u>2204</u>	Remarks: <u>Same as CO2, placed into portul.</u>				
Body Measurements (grams and millimeters)					
Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No: <u>Y</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Material: <u>MAW</u> Color: <u>silver</u> Band: <u>55872</u> Inscription: <u>55872</u>
Transmitter Attached? If so: Frequency (MHz)					
* <u>2nd time on 10/13/12</u>					
Site Name Or Number: <u>SR029, Site # 4</u>					
Date: <u>10/13/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>J. Veyrus</u>		*Capture Number: <u>C16</u>	
Height in meters captured above ground surface:					
Species: <u>MyS6</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SK</u>	Wt. (g): <u>6.9</u>	
Photo Taken: <u>Yes</u> / <u>No</u>	WNS Wing Score:		Wing Photo ID:		
Time of Capture: <u>2204</u>	Remarks: <u>No more bands, LW-large hole</u>				
Body Measurements (grams and millimeters)					
Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No:	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Material: Band: Inscription:
Transmitter Attached? If so: Frequency (MHz)					
* <u>Photos: 7100-7103</u>					
Site Name Or Number: <u>SR029, Site # 1</u>					
Date: <u>10/13/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>J. Veyrus</u>		*Capture Number: <u>C17</u>	
Height in meters captured above ground surface:					
Species: <u>PSA</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SK</u>	Wt. (g): <u>6.7</u>	
Photo Taken: <u>Yes</u> / <u>No</u>	WNS Wing Score:		Wing Photo ID:		
Time of Capture: <u>2204</u>	Remarks: <u>photos 7104</u>				
Body Measurements (grams and millimeters)					
Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No:	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Material: Band: Inscription:
Transmitter Attached? If so: Frequency (MHz)					

*Capture Number = number in sequence by site.

926219

COMMONWEALTH OF PENNSYLVANIA
Pennsylvania Game Commission

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: 926219, Site #1		Date: 10/13/12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeyl	*Capture Number: C18
Height in meters captured above ground surface: 2204		Species: <i>Myotis</i>		Transmitter Attached? If so: Frequency (mHz)	
Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 19	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Photo Taken: Yes	WNS Wing Score: 0	Fore-arm: 35	Tragus: 5.5	Recapture Yes/No: 7	Band Material: LW-1 pinhole
Time of Capture: 2204		Ear: 11	Foot: 7	Band Color: LW-1 pinhole	
Remarks: LW-1 pinhole		Photos: 7105 - 7107			
Repro Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scarotalepididymis swollen					
Site Name Or Number: 926219, Site #1		Date: 10/13/12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeyl	*Capture Number: C19
Height in meters captured above ground surface: 2204		Species: <i>Myotis</i>		Transmitter Attached? If so: Frequency (mHz)	
Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 17.7	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Photo Taken: Yes	WNS Wing Score: 0	Fore-arm: 36	Tragus: 6	Recapture Yes/No: 6	Band Material: LW-1 pinhole
Time of Capture: 2204		Ear: 12.5	Foot: 6	Band Color: LW-1 pinhole	
Remarks: No bands		Photos: 7108 - 7109			
Repro Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scarotalepididymis swollen					
Site Name Or Number: 926219, Site #1		Date: 10/13/12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeyl	*Capture Number: C20
Height in meters captured above ground surface: 2204		Species: <i>Myotis</i>		Transmitter Attached? If so: Frequency (mHz)	
Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 17	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Photo Taken: Yes	WNS Wing Score: 0	Fore-arm: 37	Tragus: 6.5	Recapture Yes/No: 8	Band Material: LW-1 pinhole
Time of Capture: 2204		Ear: 13	Foot: 8	Band Color: LW-1 pinhole	
Remarks: No bands		Photos: 7110 - 7114			

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR029 Site #1</u>		Date: <u>10/13/12</u>		Set No. Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>J. Jeyaraj</u>		*Capture Number: <u>271</u>		*Bat species not usually found in PA)	
Height in meters captured above ground surface:		in		Body Measurements (grams and millimeters)				Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
<u>MYSL</u>	<u>M</u>	<u>A</u>	<u>NK</u>	<u>6.6</u>	<u>34</u>	<u>6</u>					
Time of Capture	Photo Taken	WNS Wing Score	Wing Photo ID:		Remarks:						
<u>2204</u>	Yes/No <u>Yes</u>	<u>0</u>	<u>0</u>		<u>Photo - 7115</u> <u>No bands</u>						

Site Name Or Number: SR029, Site #1	Date: 10/13/12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeyans		*Capture Number: C27
Height in meters captured above ground surface:	Body Measurements (grams and millimeters)		Band Information (if banded)		
	Species MYG	Sex m	Age A	Repro. Condition NK	Wt. (g) 9.9
	Fore- arm 37	Tragus 16.5	Ear 15	Recapture Yes/No	Band Material
	Hind Foot 6.5	Band Color		Band Inscription	Band on Left/Right
Time of Capture 2204	Photo Taken Yes / No Yes	WNS Wing Score D	Wing Photo ID: Photos 7116 - 7117		
Remarks: RW-2 Males & No bands					
Transmitter Attached? if so: Frequency (mHz)					

Site Name Or Number: SR029, site #1	Date:	10/13/12	Set No. Captured In:	1	Name of Person Identifying the Bat:	J. Veyrus	*Capture Number:	C23
Height in meters captured above ground surface:								
Species	Sex	Age	Repro. Condition	Wt. (g)	Body Measurements (grams and millimeters)			Transmitter Attached? if so: Frequency (mHz)
mylu	f	A	NK	76	Fore- arm	Hind Foot	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
					Tragus			Band Inscription
					Ear			Band Color
								Left/Right
Time of Capture	Photo Taken	Wing Photo ID:						
2204	Yes / No	Remarks: NO bands						

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR629, Site #1</u>		Date: <u>10/13/12</u>	Set No. Captured In: <u>4</u>	Name of Person Identifying the Bat: <u>S. Zey ZWS</u>				*Capture Number: <u>C24</u>			
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				Transmitter Attached? If so: Frequency (mHz)			
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g)	Fore- arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
Time of Capture <u>2204</u>	Photo Taken <u>Yes</u> / No	WNS Wing Score	Wing Photo ID:	Remarks: <u>AND bands, NO measurements</u>							
Repro. Condition: NR = non-reproductive, PG = pregnant, I = lactating, PL = post-lactating, SCR = scrotal epididymis swollen											
Site Name Or Number: <u>SR629, Site #1</u>		Date: <u>10/13/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>S. Zey ZWS</u>				*Capture Number: <u>C25</u>			
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				Transmitter Attached? If so: Frequency (mHz)			
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NL</u>	Wt. (g)	Fore- arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
Time of Capture <u>2204</u>	Photo Taken <u>Yes</u> / No	WNS Wing Score	Wing Photo ID:	Remarks: <u>AND bands, NO measurements</u>							
Repro. Condition: NR = non-reproductive, PG = pregnant, I = lactating, PL = post-lactating, SCR = scrotal epididymis swollen											
Site Name Or Number: <u>SR629, Site #1</u>		Date: <u>10/13/12</u>	Set No. Captured In: <u>2</u>	Name of Person Identifying the Bat: <u>S. Zey ZWS</u>				*Capture Number: <u>C26</u>			
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				Transmitter Attached? If so: Frequency (mHz)			
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g)	Fore- arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
Time of Capture <u>2204</u>	Photo Taken <u>Yes</u> / No	WNS Wing Score	Wing Photo ID:	Remarks: <u>AND bands, NO measurements</u>							
Repro. Condition: NR = non-reproductive, PG = pregnant, I = lactating, PL = post-lactating, SCR = scrotal epididymis swollen											

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR029, site #1</u>		Date: <u>10/13/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyrus</u>		*Capture Number: <u>C27</u>
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g)	Fore- arm	Hind Foot
Time of Capture <u>2204</u>	Photo Taken (Yes / No) <u>() / ()</u>	WNS Wing Score	Wing Photo ID:	Ear	Tragus	Recapture Yes/No
Remarks: <u>Photos 7128-7130 & 7131</u>				Band Material	Band Color	Band Inscription
Remarks: <u>No bands, no measurements</u>				Transmitter Attached? If so: Frequency (mHz)		

Site Name Or Number: <u>SR029, site #1</u>		Date: <u>10/13/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyrus</u>		*Capture Number: <u>C28</u>
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g)	Fore- arm	Hind Foot
Time of Capture <u>2304</u>	Photo Taken (Yes / No) <u>() / ()</u>	WNS Wing Score	Wing Photo ID:	Ear	Tragus	Recapture Yes/No
Remarks: <u>Released at trap</u>				Band Material	Band Color	Band Inscription
Remarks:				Transmitter Attached? If so: Frequency (mHz)		

Site Name Or Number: <u>SR029, site #1</u>		Date: <u>10/13/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyrus</u>		*Capture Number: <u>C29</u>
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g)	Fore- arm	Hind Foot
Time of Capture <u>2304</u>	Photo Taken (Yes / No) <u>() / ()</u>	WNS Wing Score	Wing Photo ID:	Ear	Tragus	Recapture Yes/No
Remarks: <u>Released at trap</u>				Band Material	Band Color	Band Inscription
Remarks:				Transmitter Attached? If so: Frequency (mHz)		

Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyzus</u>	*Capture Number: <u>C30</u>
Height in meters captured above ground surface:					
Species <u>MyS</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>8</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
				Recapture Yes/No <u>Y</u>	Band Material <u>metal</u>
				Band Color <u>silver</u>	Band Inscription <u>55886</u>
				Band on Left/Right <u>R</u>	Transmitter Attached? If so: Frequency (MHz)
Time of Capture <u>2004</u>		Photo Taken Yes / No <u>No</u>	WNS Wing Score	Wing Photo ID:	Remarks:
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = sexual/epididymis swollen					
Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyzus</u>	*Capture Number: <u>C31</u>
Height in meters captured above ground surface:					
Species <u>MyS</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.3</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
				Recapture Yes/No <u>Y</u>	Band Material <u>metal</u>
				Band Color <u>silver</u>	Band Inscription <u>55872</u>
				Band on Left/Right <u>R</u>	Transmitter Attached? If so: Frequency (MHz)
Time of Capture <u>2004</u>		Photo Taken Yes / No <u>No</u>	WNS Wing Score	Wing Photo ID:	Remarks: <u>last captured in 2 nights</u>
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = sexual/epididymis swollen					
Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyzus</u>	*Capture Number: <u>C32</u>
Height in meters captured above ground surface:					
Species <u>MyS</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>6.2</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
				Recapture Yes/No	Band Material
				Band Color	Band Inscription
				Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)
Time of Capture <u>2004</u>		Photo Taken Yes / No <u>No</u>	WNS Wing Score	Wing Photo ID:	Remarks: <u>photo 7137</u>
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = sexual/epididymis swollen					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR029, site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyans</u>	*Capture Number: <u>C33</u>
Height in meters captured above ground surface:					
Species <u>Mya</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>66</u>	Body Measurements (grams and millimeters)
	Photo Taken <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>7133-1134</u>	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Time of Capture <u>2004</u>				Band Material	Band Color
				Band Inscription	Band on Left/Right
				Transmitter Attached? If so: Frequency (mHz)	

Site Name Or Number: <u>SR029, site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyans</u>	*Capture Number: <u>C34</u>
Height in meters captured above ground surface:					
Species <u>Mya</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>74</u>	Body Measurements (grams and millimeters)
	Photo Taken <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>7135-7137</u>	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Time of Capture <u>2004</u>				Band Material	Band Color
				Band Inscription	Band on Left/Right
				Transmitter Attached? If so: Frequency (mHz)	

Site Name Or Number: <u>SR029, site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyans</u>	*Capture Number: <u>C35</u>
Height in meters captured above ground surface:					
Species <u>Mya</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>9</u>	Body Measurements (grams and millimeters)
	Photo Taken <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>7138</u>	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Time of Capture <u>2004</u>				Band Material	Band Color
				Band Inscription	Band on Left/Right
				Transmitter Attached? If so: Frequency (mHz)	

*Capture Number = number in sequence by site.

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Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR629, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyrus</u>	*Capture Number: <u>C36</u>
Height in meters captured above ground surface:					
Species <u>myse</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCL</u>	Wt. (g) <u>16</u>	Body Measurements (grams and millimeters)
				Ear <u>11.5</u>	Fore-arm <u>36</u>
				Tragus <u>7</u>	Hind Foot <u>7</u>
Time of Capture <u>2004</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score	Wing Photo ID:	Remarks: <u>Photos 7139 - 7140</u>	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
				Recapture Yes/No	Band Material
				Band Color	Band Inscription
				Band on Left/Right	Band on Left/Right
Transmitter Attached? If so: Frequency (mHz)					
*Capture Number: <u>C36</u>					

Site Name Or Number: <u>SR629, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyrus</u>	*Capture Number: <u>C37</u>
Height in meters captured above ground surface:					
Species <u>myse</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCL</u>	Wt. (g) <u>17.8</u>	Body Measurements (grams and millimeters)
				Ear <u>12</u>	Fore-arm <u>35.5</u>
				Tragus <u>5</u>	Hind Foot <u>6</u>
Time of Capture <u>2104</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score	Wing Photo ID:	Remarks: <u>Photos 7139 - 7140</u>	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
				Recapture Yes/No	Band Material
				Band Color	Band Inscription
				Band on Left/Right	Band on Left/Right
Transmitter Attached? If so: Frequency (mHz)					
*Capture Number: <u>C37</u>					

Site Name Or Number: <u>SR629, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyrus</u>	*Capture Number: <u>C38</u>
Height in meters captured above ground surface:					
Species <u>QESM</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCL</u>	Wt. (g) <u>16</u>	Body Measurements (grams and millimeters)
				Ear <u>12</u>	Fore-arm <u>35.5</u>
				Tragus <u>5</u>	Hind Foot <u>6</u>
Time of Capture <u>2104</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score	Wing Photo ID:	Remarks: <u>Photos 7146</u>	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
				Recapture Yes/No	Band Material
				Band Color	Band Inscription
				Band on Left/Right	Band on Left/Right
Transmitter Attached? If so: Frequency (mHz)					
*Capture Number: <u>C38</u>					

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: SR029, Site #1 Date: 10/14/12 Set No. 1 Name of Person Identifying the Bat: J. Beyers *Capture Number: C39

Species	Sex	Age	Repro. Condition	Body Measurements (grams and millimeters)			Wt. (g)	WNS Wing Score	Photo Taken	Yes/No	Wing Photo ID:	Remarks:
				Ear	Tragus	Fore-arm						
<u>RESU</u>	<u>M</u>	<u>A</u>	<u>NR</u>	<u>9</u>	<u>4</u>	<u>32</u>	<u>63</u>					
Time of Capture	<u>2104</u>											

Band Information (if banded)
(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)

Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right

Transmitter Attached? If so: Frequency (mHz)

Species	Sex	Age	Repro. Condition	Body Measurements (grams and millimeters)			Wt. (g)	WNS Wing Score	Photo Taken	Yes/No	Wing Photo ID:	Remarks:
				Ear	Tragus	Fore-arm						
<u>RESU</u>	<u>M</u>	<u>A</u>	<u>SR</u>	<u>10</u>	<u>6</u>	<u>33</u>	<u>7.5</u>					
Time of Capture	<u>2104</u>											

Band Information (if banded)
(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)

Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right

Transmitter Attached? If so: Frequency (mHz)

Band Information (if banded)
(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)

Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right

Transmitter Attached? If so: Frequency (mHz)

Species	Sex	Age	Repro. Condition	Body Measurements (grams and millimeters)			Wt. (g)	WNS Wing Score	Photo Taken	Yes/No	Wing Photo ID:	Remarks:
				Ear	Tragus	Fore-arm						
<u>MY56</u>	<u>M</u>	<u>A</u>	<u>SR</u>	<u>17</u>	<u>10</u>	<u>36</u>	<u>9</u>					
Time of Capture	<u>2104</u>											

Band Information (if banded)
(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)

Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right

Transmitter Attached? If so: Frequency (mHz)

Band Information (if banded)
(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)

Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right

Transmitter Attached? If so: Frequency (mHz)

*Capture Number in sequence by site.

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR629, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyrus</u>	*Capture Number: <u>C42</u>
Height in meters captured above ground surface:					
Species <u>My</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.9</u>	Body Measurements (grams and millimeters)
				Ear <u>15</u>	Tragus <u>9</u>
				Fore- arm <u>36.5</u>	Hind Foot <u>7.3</u>
Time of Capture <u>2104</u>	Photo Taken <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>Photo 7151-7152</u>	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
			Remarks: <u>No bands</u>	Material	Color
				Inscription	Band on Left/Right
					Transmitter Attached? If so: Frequency (mHz)

Site Name Or Number: <u>SR629, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyrus</u>	*Capture Number: <u>C43</u>
Height in meters captured above ground surface:					
Species <u>My</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.8</u>	Body Measurements (grams and millimeters)
				Ear <u>12</u>	Tragus <u>6</u>
				Fore- arm <u>36</u>	Hind Foot <u>7</u>
Time of Capture <u>2104</u>	Photo Taken <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>Photo 7153-7153</u>	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
			Remarks: <u>No bands, 2 holes in RW</u>	Material	Color
				Inscription	Band on Left/Right
					Transmitter Attached? If so: Frequency (mHz)

Site Name Or Number: <u>SR629, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyrus</u>	*Capture Number: <u>C44</u>
Height in meters captured above ground surface:					
Species <u>Ept</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>19.9</u>	Body Measurements (grams and millimeters)
				Ear <u>13</u>	Tragus <u>6</u>
				Fore- arm <u>44</u>	Hind Foot <u>9</u>
Time of Capture <u>2204</u>	Photo Taken <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>Photo 7174</u>	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
			Remarks:	Material	Color
				Inscription	Band on Left/Right
					Transmitter Attached? If so: Frequency (mHz)

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: SR029, Site #1 Date: 10/14/12 Set No. 1 Name of Person Identifying the Bat: S. Zeyrus *Capture Number: C45

Height in meters captured above ground surface:

Species	Sex	Age	Repro. Condition	Body Measurements (grams and millimeters)			Band Information (if banded)				Transmitter Attached? If so: Frequency (mHz)	
				Wt. (g)	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription		Band on Left/Right
<u>MYSE</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>7.2</u>			<u>Y</u>	<u>metal</u>	<u>silver</u>	<u>53898</u>	<u>R</u>	
Time of Capture	Photo Taken Yes / No			WNS Wing Score			Wing Photo ID:					
<u>2204</u>	<u>Yes / No</u>						Remarks:					

Site Name Or Number: SR029, Site #1 Date: 10/14/12 Set No. 1 Name of Person Identifying the Bat: S. Zeyrus *Capture Number: C46

Height in meters captured above ground surface:

Species	Sex	Age	Repro. Condition	Body Measurements (grams and millimeters)			Band Information (if banded)				Transmitter Attached? If so: Frequency (mHz)	
				Wt. (g)	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription		Band on Left/Right
<u>MYSE</u>	<u>M</u>	<u>A</u>	<u>SCR</u>	<u>7.1</u>			<u>Y</u>	<u>metal</u>	<u>silver</u>	<u>55992</u>	<u>R</u>	
Time of Capture	Photo Taken Yes / No			WNS Wing Score			Wing Photo ID:					
<u>2204</u>	<u>Yes / No</u>						Remarks:					

Site Name Or Number: SR029, Site #1 Date: 10/14/12 Set No. 1 Name of Person Identifying the Bat: S. Zeyrus *Capture Number: C47

Height in meters captured above ground surface:

Species	Sex	Age	Repro. Condition	Body Measurements (grams and millimeters)			Band Information (if banded)				Transmitter Attached? If so: Frequency (mHz)	
				Wt. (g)	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription		Band on Left/Right
<u>EPIN</u>	<u>F</u>	<u>A</u>	<u>NK</u>	<u>92.3</u>	<u>46</u>	<u>10</u>						
Time of Capture	Photo Taken Yes / No			WNS Wing Score			Wing Photo ID:					
<u>2204</u>	<u>Yes / No</u>						Remarks:					

Photos: 7175
4 photos - LW

*Capture Number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: SR6229, Site #1		Date: 10/14/12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeyrus	*Capture Number: C48	Transmitter Attached? If so: Frequency (MHz)
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species: <i>EFM</i>	Sex: <i>m</i>	Age: <i>A</i>	Repro. Condition: <i>SCR</i>	Wt. (g): <i>17.5</i>	Fore-arm: <i>47.5</i>	Tragus: <i>6</i>
Photo Taken: <i>Yes</i>	WNS Wing Score: <i>1</i>	Wing Photo ID:	Ear: <i>14</i>	Recapture Yes/No: <i>9</i>	Band Material: <i>9</i>	Band Color: <i>9</i>
Time of Capture: <i>2204</i>	WNS Wing Score: <i>1</i>	Wing Photo ID:	Remarks: <i>3 scars on LW, Damage to RW, yellow scar/ratels mark under eye</i>	Transmitter Attached? If so: Frequency (MHz)		
Site Name Or Number: SR6229, Site #1		Date: 10/14/12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeyrus	*Capture Number: C49	Transmitter Attached? If so: Frequency (MHz)
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species: <i>EFM</i>	Sex: <i>m</i>	Age: <i>A</i>	Repro. Condition: <i>SCR</i>	Wt. (g): <i>20</i>	Fore-arm: <i>43.5</i>	Tragus: <i>6</i>
Photo Taken: <i>Yes</i>	WNS Wing Score: <i>0</i>	Wing Photo ID:	Ear: <i>17.5</i>	Recapture Yes/No: <i>9</i>	Band Material: <i>9</i>	Band Color: <i>9</i>
Time of Capture: <i>2204</i>	WNS Wing Score: <i>0</i>	Wing Photo ID:	Remarks: <i>1 scar LW, 1 scar RW</i>	Transmitter Attached? If so: Frequency (MHz)		
Site Name Or Number: SR6229, Site #1		Date: 10/14/12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeyrus	*Capture Number: C50	Transmitter Attached? If so: Frequency (MHz)
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species: <i>EFM</i>	Sex: <i>f</i>	Age: <i>A</i>	Repro. Condition: <i>NK</i>	Wt. (g): <i>6.7</i>	Fore-arm: <i>35</i>	Tragus: <i>5</i>
Photo Taken: <i>Yes</i>	WNS Wing Score: <i>0</i>	Wing Photo ID:	Ear: <i>12</i>	Recapture Yes/No: <i>6.5</i>	Band Material: <i>6.5</i>	Band Color: <i>6.5</i>
Time of Capture: <i>2204</i>	WNS Wing Score: <i>0</i>	Wing Photo ID:	Remarks: <i>1 whole RW, 1 whole LW</i>	Transmitter Attached? If so: Frequency (MHz)		

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis socialis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/14/12</u>		Set No. <u>1</u>		Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>J. Zeyans</u>		*Capture Number: <u>C51</u>	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Fore-arm		Hind Foot		Recapture Yes/No		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species: <u>MSL</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SK</u>	Wt. (g): <u>66</u>	Tragus: <u>5</u>	Ear: <u>10</u>	Fore-arm: <u>34.5</u>	Hind Foot: <u>8</u>	Yes/No	Material	Band Color
Time of Capture: <u>2204</u>	Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>0</u>		Wing Photo ID: <u>Photos 7185-7186</u>		Remarks: <u>1 pinhole LW</u>		Transmitter Attached? if so: Frequency (mHz)		Band on Left/Right	

Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/14/12</u>		Set No. <u>1</u>		Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>J. Zeyans</u>		*Capture Number: <u>C52</u>	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Fore-arm		Hind Foot		Recapture Yes/No		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species: <u>MSL</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>63</u>	Tragus: <u>5</u>	Ear: <u>11</u>	Fore-arm: <u>34</u>	Hind Foot: <u>8</u>	Yes/No	Material	Band Color
Time of Capture: <u>2204</u>	Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>0</u>		Wing Photo ID: <u>Photos 7187-7192</u>		Remarks: <u>1 pinhole LW</u>		Transmitter Attached? if so: Frequency (mHz)		Band on Left/Right	

Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/14/12</u>		Set No. <u>1</u>		Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>J. Zeyans</u>		*Capture Number: <u>C53</u>	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Fore-arm		Hind Foot		Recapture Yes/No		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species: <u>MYLW</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SK</u>	Wt. (g): <u>9</u>	Tragus: <u>6.5</u>	Ear: <u>13.5</u>	Fore-arm: <u>37</u>	Hind Foot: <u>7.5</u>	Yes/No	Material	Band Color
Time of Capture: <u>2204</u>	Photo Taken: <u>Yes</u> / No	WNS Wing Score: <u>0</u>		Wing Photo ID: <u>Photos 7193-7195</u>		Remarks: <u>Teat in LW & No bands</u>		Transmitter Attached? if so: Frequency (mHz)		Band on Left/Right	

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyluz</u>	*Capture Number: <u>054</u>
Height in meters captured above ground surface:					
Species <u>MSB</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NK</u>	Wt. (g) <u>19</u>	WNS Wing Score <u>0</u>
Photo Taken (Yes / No) <u>(Yes)</u>	Wing Photo ID: <u>Photos 7196</u>		Remarks: <u>No bands</u>		
Time of Capture <u>2204</u>					
<div> <div> Repro. Condition: <u>NR</u> non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SC = sexual and dynamic swollen </div> </div>					
Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyluz</u>	*Capture Number: <u>055</u>
Height in meters captured above ground surface:					
Species <u>MSB</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SC</u>	Wt. (g) <u>8.3</u>	WNS Wing Score <u>0</u>
Photo Taken (Yes / No) <u>(Yes)</u>	Wing Photo ID: <u>Photos 7197</u>		Remarks: <u>1 whole BW</u>		
Time of Capture <u>2204</u>					
<div> <div> Repro. Condition: <u>NR</u> non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SC = sexual and dynamic swollen </div> </div>					
Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyluz</u>	*Capture Number: <u>056</u>
Height in meters captured above ground surface:					
Species <u>BSU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NK</u>	Wt. (g) <u>5.1</u>	WNS Wing Score <u>0</u>
Photo Taken (Yes / No) <u>(Yes)</u>	Wing Photo ID: <u>Photos 7198-7199</u>		Remarks: <u>1 whole BW</u>		
Time of Capture <u>2204</u>					
<div> <div> Repro. Condition: <u>NR</u> non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SC = sexual and dynamic swollen </div> </div>					

*Capture Number = number in sequence by site.

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: SR0219, Site #1		Date: 10/14/12		Set No. 1		Captured In: 1		Name of Person Identifying the Bat: J. Zeyrus		*Capture Number: NA	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Fore-arm		Hind Foot		Recapture Yes/No		Band Information (if banded)	
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Yes/No	Material	Band Color
MYSL	M	A	SCR	7.1					Y	metal	silver
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID:		Remarks:					
2304	Yes / No					2nd time on 10/14/12					

Site Name Or Number: SR0219, Site #1		Date: 10/14/12		Set No. 1		Captured In: 1		Name of Person Identifying the Bat: J. Zeyrus		*Capture Number: NA	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Fore-arm		Hind Foot		Recapture Yes/No		Band Information (if banded)	
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Yes/No	Material	Band Color
MYSL	M	A	SCR						Y	metal	silver
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID:		Remarks:					
2304	Yes / No					1st capture tonight					

Site Name Or Number: SR0219, Site #1		Date: 10/14/12		Set No. 1		Captured In: 1		Name of Person Identifying the Bat: J. Zeyrus		*Capture Number: C57	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Fore-arm		Hind Foot		Recapture Yes/No		Band Information (if banded)	
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Yes/No	Material	Band Color
MYSL	M	A	NR	7.7	17	10	37	17			
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID:		Remarks:					
2304	Yes / No					Photo 17200					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyluz</u>	*Capture Number: <u>C58</u>
Height in meters captured above ground surface:					
Species <u>myse</u>	Sex <u>m</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>1.5</u>	WNS Wing Score <u>0</u>
Time of Capture <u>2200</u>	Photo Taken Yes / No <u>Yes</u>	Wing Photo ID: <u>3 spots, lined hole, 1 small hole - LW</u>		Remarks: <u>4 No bands</u>	
Body Measurements (grams and millimeters)			Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Ear <u>15</u>	Tragus <u>9</u>	Fore-arm <u>35</u>	Hind Foot <u>7</u>	Recapture Yes/No <u>—</u>	Band Material <u>—</u>
Transmitter Attached? If so: Frequency (mHz)			Band Inscription <u>—</u>		
Band on Left/Right <u>—</u>			Band Color <u>—</u>		

Site Name Or Number: <u>SR029, Site #1</u>		Date: <u>10/14/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyluz</u>	*Capture Number: <u>C59</u>
Height in meters captured above ground surface:					
Species <u>ABSA</u>	Sex <u>m</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.4</u>	WNS Wing Score <u>0</u>
Time of Capture <u>2200</u>	Photo Taken Yes / No <u>Yes</u>	Wing Photo ID: <u>3 spots, lined hole, 1 small hole - LW</u>		Remarks: <u>—</u>	
Body Measurements (grams and millimeters)			Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Ear <u>12</u>	Tragus <u>6</u>	Fore-arm <u>33</u>	Hind Foot <u>7</u>	Recapture Yes/No <u>—</u>	Band Material <u>—</u>
Transmitter Attached? If so: Frequency (mHz)			Band Inscription <u>—</u>		
Band on Left/Right <u>—</u>			Band Color <u>—</u>		

Site Name Or Number:		Date:	Set No. Captured In:	Name of Person Identifying the Bat:	*Capture Number:
Height in meters captured above ground surface:					
Species	Sex	Age	Repro. Condition	Wt. (g)	WNS Wing Score
Time of Capture	Photo Taken Yes / No	Wing Photo ID:		Remarks:	
Body Measurements (grams and millimeters)			Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material
Transmitter Attached? If so: Frequency (mHz)			Band Inscription		
Band on Left/Right			Band Color		

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: <u>SR6229-020-01</u>		Date: <u>10/15/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>109</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Body Measurements (grams and millimeters)	
	Wt. (g) <u>11.7</u>	Ear <u>5.9</u>	Tragus <u>37.7</u>	Fore-arm <u>7.5</u>	Hind Foot <u>—</u>
Remarks: <u>Bloody spot in left wing</u>					
Repro. Condition: <u>NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</u>					
Site Name Or Number: <u>SR6229-020-01</u>		Date: <u>10/15/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>—</u>	Capture Number: <u>110</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Body Measurements (grams and millimeters)	
	Wt. (g) <u>8.0</u>	Ear <u>11.6</u>	Tragus <u>5.5</u>	Fore-arm <u>34.5</u>	Hind Foot <u>6.5</u>
Remarks: <u>Tear left wing</u>					
Repro. Condition: <u>NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</u>					
Site Name Or Number: <u>SR6229-020-01</u>		Date: <u>10/15/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>111</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Body Measurements (grams and millimeters)	
	Wt. (g) <u>—</u>	Ear <u>—</u>	Tragus <u>—</u>	Fore-arm <u>—</u>	Hind Foot <u>—</u>
Remarks: <u>—</u>					
Repro. Condition: <u>NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</u>					
Site Name Or Number: <u>SR6229-020-01</u>		Date: <u>10/15/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>111</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Body Measurements (grams and millimeters)	
	Wt. (g) <u>—</u>	Ear <u>—</u>	Tragus <u>—</u>	Fore-arm <u>—</u>	Hind Foot <u>—</u>
Remarks: <u>—</u>					
Repro. Condition: <u>NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</u>					

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/15/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>D112</u>
Height in meters captured above ground surface: <u>—</u> m				
Species <u>PESU</u>	Repro. Condition <u>—</u>	Wt. (g) <u>—</u>	Ear <u>—</u>	Tragus <u>—</u>
Photo Taken Yes / No	Age <u>—</u>	Sex <u>—</u>	Fore-arm <u>—</u>	Hind Foot <u>—</u>
Remarks: <u>Released b/c soaking wet & cold</u>				
Time of Capture <u>1945</u>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/15/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>D113</u>
Height in meters captured above ground surface: <u>—</u> m				
Species <u>PESU</u>	Repro. Condition <u>—</u>	Wt. (g) <u>—</u>	Ear <u>—</u>	Tragus <u>—</u>
Photo Taken Yes / No	Age <u>—</u>	Sex <u>—</u>	Fore-arm <u>—</u>	Hind Foot <u>—</u>
Remarks: <u>See #12</u>				
Time of Capture <u>1945</u>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/15/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>D114</u>
Height in meters captured above ground surface: <u>—</u> m				
Species <u>PESU</u>	Repro. Condition <u>—</u>	Wt. (g) <u>—</u>	Ear <u>—</u>	Tragus <u>—</u>
Photo Taken Yes / No	Age <u>—</u>	Sex <u>—</u>	Fore-arm <u>—</u>	Hind Foot <u>—</u>
Remarks: <u>See #12</u>				
Time of Capture <u>1945</u>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

(Capture Number= Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020</u>		Date: <u>10/15/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>915</u>
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species <u>MYSE</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.4</u>	Ear <u>15.6</u>	Tragus <u>7.2</u>
Time of Capture <u>1945</u>		Fore-arm <u>34.6</u>		Foot <u>7.2</u>		
Remarks:		Recapture Yes/No <u>0</u>		Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>
Photo Taken <u>Yes</u> / No		Hind Foot <u>—</u>		Transmitter Attached? If so: Frequency (MHz) <u>—</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: <u>SR6219-020-01</u>		Date: <u>10/15/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>116</u>
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>6.3</u>	Ear <u>11.9</u>	Tragus <u>5.9</u>
Time of Capture <u>2020</u>		Fore-arm <u>35.8</u>		Foot <u>6.9</u>		
Remarks:		Recapture Yes/No <u>0</u>		Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>
Photo Taken <u>Yes</u> / No		Hind Foot <u>—</u>		Transmitter Attached? If so: Frequency (MHz) <u>—</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen						
Site Name Or Number: <u>SR6219-020-1</u>		Date: <u>10/15/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>		Capture Number: <u>117</u>
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species <u>MVLU</u>	Sex <u>M</u>	Age <u>—</u>	Repro. Condition <u>—</u>	Wt. (g) <u>8.4</u>	Ear <u>—</u>	Tragus <u>—</u>
Time of Capture <u>2020</u>		Fore-arm <u>—</u>		Foot <u>—</u>		
Remarks:		Recapture Yes/No <u>0</u>		Band Material <u>Metal Silver</u>	Band Color <u>—</u>	Band Inscription <u>PA62 55908</u>
Photo Taken <u>Yes</u> / No		Hind Foot <u>—</u>		Transmitter Attached? If so: Frequency (MHz) <u>—</u>		

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/15/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>0118</u>
Height in meters captured above ground surface: <u>—</u> m	Repro. Condition: <u>—</u>	Sex: <u>M</u>	Age: <u>A</u>	Photo Taken: <u>Yes</u> / <u>No</u>
Species: <u>MYLU</u>	Wt. (g): <u>8.7</u>	Ear: <u>—</u>	Tragus: <u>—</u>	Fore-arm: <u>—</u>
Time of Capture: <u>2130</u>	Remarks: <u>* Recapture - not counted</u>			

Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/15/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>0119</u>
Height in meters captured above ground surface: <u>—</u> m	Repro. Condition: <u>—</u>	Sex: <u>M</u>	Age: <u>A</u>	Photo Taken: <u>Yes</u> / <u>No</u>
Species: <u>MYSE</u>	Wt. (g): <u>7.5</u>	Ear: <u>16.6</u>	Tragus: <u>9.7</u>	Fore-arm: <u>35.6</u>
Time of Capture: <u>2130</u>	Remarks: <u>—</u>			

Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/15/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>0120</u>
Height in meters captured above ground surface: <u>—</u> m	Repro. Condition: <u>—</u>	Sex: <u>M</u>	Age: <u>A</u>	Photo Taken: <u>Yes</u> / <u>No</u>
Species: <u>MYLU</u>	Wt. (g): <u>7.7</u>	Ear: <u>12.4</u>	Tragus: <u>7.5</u>	Fore-arm: <u>35.4</u>
Time of Capture: <u>2130</u>	Remarks: <u>Spots on left wing</u>			

COMMONWEALTH OF PENNSYLVANIA
Pennsylvania Game Commission

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/15/12</u>	Set No. Captured In: <u>-</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>121</u>
Height in meters captured above ground surface: <u>-</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>6.3</u>
Time of Capture: <u>2225</u>	Photo Taken: <u>(Yes)</u> / No	Remarks: <u>Small hole left wing</u>		
Body Measurements (grams and millimeters)		Band Information (if banded)		
Tragus: <u>5.5</u>	Ear: <u>13.5</u>	Fore-arm: <u>34.1</u>	Hind Foot: <u>7.1</u>	
Recapture Yes/No: <u>(No)</u>		Band Material: <u>-</u>	Band Color: <u>-</u>	Band Inscription: <u>-</u>
Band Males on bat's RIGHT fa. Females on bat's LEFT fa.		Transmitter Attached? If so: Frequency (MHz): <u>-</u>		

Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/15/12</u>	Set No. Captured In: <u>-</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>122</u>
Height in meters captured above ground surface: <u>-</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>6.3</u>
Time of Capture: <u>2225</u>	Photo Taken: <u>(Yes)</u> / No	Remarks: <u>Small hole left wing</u>		
Body Measurements (grams and millimeters)		Band Information (if banded)		
Tragus: <u>5.5</u>	Ear: <u>13.5</u>	Fore-arm: <u>34.1</u>	Hind Foot: <u>7.1</u>	
Recapture Yes/No: <u>(No)</u>		Band Material: <u>-</u>	Band Color: <u>-</u>	Band Inscription: <u>-</u>
Band Males on bat's RIGHT fa. Females on bat's LEFT fa.		Transmitter Attached? If so: Frequency (MHz): <u>-</u>		

Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/15/12</u>	Set No. Captured In: <u>-</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	Capture Number: <u>123</u>
Height in meters captured above ground surface: <u>-</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>6.3</u>
Time of Capture: <u>2225</u>	Photo Taken: <u>(Yes)</u> / No	Remarks: <u>Small hole left wing</u>		
Body Measurements (grams and millimeters)		Band Information (if banded)		
Tragus: <u>5.5</u>	Ear: <u>13.5</u>	Fore-arm: <u>34.1</u>	Hind Foot: <u>7.1</u>	
Recapture Yes/No: <u>(No)</u>		Band Material: <u>-</u>	Band Color: <u>-</u>	Band Inscription: <u>-</u>
Band Males on bat's RIGHT fa. Females on bat's LEFT fa.		Transmitter Attached? If so: Frequency (MHz): <u>-</u>		

(Capture Number= Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR2619-020-01</u>	Date: <u>10/17/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	*Capture Number: <u>D122</u>
Height in meters captured above ground surface: <u>—</u> m				
Species: <u>MYSE</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>Scr</u>	Wt. (g): <u>7.1</u>
Photo Taken: <u>No</u>	WNS Wing Score: <u>—</u>	Wing Photo ID: <u>—</u>	Remarks: <u>—</u>	
Time of Capture: <u>1945</u>				
Body Measurements (grams and millimeters) Ear: <u>—</u> Tragus: <u>—</u> Fore-arm: <u>—</u> Hind Foot: <u>—</u>				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>—</u> Band Material: <u>Metal</u> Band Color: <u>Silver</u> Band Inscription: <u>PAGE 55992</u> Band on Left/Right: <u>—</u>				
Transmitter Attached? If so: Frequency (mHz): <u>—</u>				
Site Name Or Number: <u>SR2619-020-01</u> Height in meters captured above ground surface: <u>—</u> m Species: <u>MYSE</u> Sex: <u>M</u> Age: <u>A</u> Repro. Condition: <u>Scr</u> Wt. (g): <u>7.1</u> Photo Taken: <u>No</u> WNS Wing Score: <u>—</u> Wing Photo ID: <u>—</u> Remarks: <u>—</u>				
Date: <u>10/17/12</u> Set No. Captured In: <u>—</u> Name of Person Identifying the Bat: <u>Jim Hart</u> *Capture Number: <u>D123</u>				
Body Measurements (grams and millimeters) Ear: <u>—</u> Tragus: <u>—</u> Fore-arm: <u>—</u> Hind Foot: <u>—</u>				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>—</u> Band Material: <u>Metal</u> Band Color: <u>Silver</u> Band Inscription: <u>PAGE 55947</u> Band on Left/Right: <u>—</u>				
Transmitter Attached? If so: Frequency (mHz): <u>—</u>				
Site Name Or Number: <u>SR2629-020-01</u> Height in meters captured above ground surface: <u>—</u> m Species: <u>MYLL</u> Sex: <u>M</u> Age: <u>A</u> Repro. Condition: <u>Scr</u> Wt. (g): <u>—</u> Photo Taken: <u>No</u> WNS Wing Score: <u>—</u> Wing Photo ID: <u>—</u> Remarks: <u>Escaped before weighing</u>				
Date: <u>10/17/12</u> Set No. Captured In: <u>—</u> Name of Person Identifying the Bat: <u>Jim Hart</u> *Capture Number: <u>D124</u>				
Body Measurements (grams and millimeters) Ear: <u>—</u> Tragus: <u>—</u> Fore-arm: <u>—</u> Hind Foot: <u>—</u>				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: <u>—</u> Band Material: <u>Metal</u> Band Color: <u>Silver</u> Band Inscription: <u>PAGE 55946</u> Band on Left/Right: <u>—</u>				
Transmitter Attached? If so: Frequency (mHz): <u>—</u>				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-070-01</u>	Date: <u>10/17/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	*Capture Number: <u>D125</u>
Height in meters captured above ground surface: <u>—</u> m				
Species: <u>MYLU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	WNS Wing Score: <u>4.2</u>
Photo Taken: <u>Yes</u> / <u>No</u>	Ear	Tragus	Fore-arm	Hind Foot
Wing Photo ID: <u>2100</u>	Remarks: <u>—</u>			
Body Measurements (grams and millimeters)				
Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot
<u>4.2</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Band Information (if banded)				
Recapture Yes/No: <u>—</u>	Band Material: <u>Black</u>	Band Color: <u>Silver</u>	Band Inscription: <u>PL 55908</u>	Band on Left/Right: <u>—</u>
Transmitter Attached? If so: <u>—</u> (mHz)				

Site Name Or Number: <u>SR6219-070-01</u>	Date: <u>10/17/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	*Capture Number: <u>D126</u>
Height in meters captured above ground surface: <u>—</u> m				
Species: <u>PRSU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	WNS Wing Score: <u>—</u>
Photo Taken: <u>Yes</u> / <u>No</u>	Ear	Tragus	Fore-arm	Hind Foot
Wing Photo ID: <u>2100</u>	Remarks: <u>2 small holes, left wing</u>			
Body Measurements (grams and millimeters)				
Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot
<u>5.5</u>	<u>9.8</u>	<u>6.6</u>	<u>35.7</u>	<u>6.9</u>
Band Information (if banded)				
Recapture Yes/No: <u>—</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Transmitter Attached? If so: <u>—</u> (mHz)				

Site Name Or Number: <u>SR6219-070-01</u>	Date: <u>10/17/12</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jim Hart</u>	*Capture Number: <u>D127</u>
Height in meters captured above ground surface: <u>—</u> m				
Species: <u>MYSE</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	WNS Wing Score: <u>—</u>
Photo Taken: <u>Yes</u> / <u>No</u>	Ear	Tragus	Fore-arm	Hind Foot
Wing Photo ID: <u>2110</u>	Remarks: <u>—</u>			
Body Measurements (grams and millimeters)				
Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot
<u>7.2</u>	<u>16.9</u>	<u>7.3</u>	<u>35.6</u>	<u>7.9</u>
Band Information (if banded)				
Recapture Yes/No: <u>—</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Transmitter Attached? If so: <u>—</u> (mHz)				

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219-020-01</u>	Date: <u>10/17/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	*Capture Number: <u>D128</u>
Height in meters captured above ground surface:				
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>8.6</u>
Photo Taken Yes / No <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Fore-arm <u>34.3</u>	Tragus <u>6.0</u>	Ear <u>13.5</u>
Time of Capture <u>2120</u>	Wing Photo ID:	Remarks:		
Body Measurements (grams and millimeters)				
Band Information (if banded)		Band Information (if banded)		
(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Recapture Yes/No <u>Yes</u>	Band Material <u>Metel Silver</u>	Band Color <u>Silver</u>	Band Inscription <u>PHG 55904</u>	Band on Left/Right <u>Left</u>
Transmitter Attached? If so: Frequency (mHz) <u>---</u>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/17/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	*Capture Number: <u>D129</u>
Height in meters captured above ground surface:				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>6.3</u>
Photo Taken Yes / No <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Fore-arm <u>34.3</u>	Tragus <u>6.0</u>	Ear <u>13.5</u>
Time of Capture <u>2150</u>	Wing Photo ID:	Remarks:		
Body Measurements (grams and millimeters)				
Band Information (if banded)		Band Information (if banded)		
(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Recapture Yes/No <u>Yes</u>	Band Material <u>---</u>	Band Color <u>---</u>	Band Inscription <u>---</u>	Band on Left/Right <u>---</u>
Transmitter Attached? If so: Frequency (mHz) <u>---</u>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: <u>SR6219-020-1</u>	Date: <u>10/17/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Jim Hart</u>	*Capture Number: <u>D130</u>
Height in meters captured above ground surface:				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>5.6</u>
Photo Taken Yes / No <u>Yes</u> / <u>No</u>	WNS Wing Score <u>0</u>	Fore-arm <u>35.5</u>	Tragus <u>6.3</u>	Ear <u>10.7</u>
Time of Capture <u>2200</u>	Wing Photo ID:	Remarks:		
Body Measurements (grams and millimeters)				
Band Information (if banded)		Band Information (if banded)		
(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		(Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Recapture Yes/No <u>Yes</u>	Band Material <u>---</u>	Band Color <u>---</u>	Band Inscription <u>---</u>	Band on Left/Right <u>---</u>
Transmitter Attached? If so: Frequency (mHz) <u>---</u>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

12/01

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Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-1	Date: Oct. 18, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger				Capture Number: E1							
Height in meters captured above ground surface:														
Species PESU	Sex F	Age A	Repro. Condition NR	Wt. (g) 7	Ear 10	Tragus 4	Fore- arm 33	Hind Foot 7	Recapture Yes/No No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture 1900	Photo Taken <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No		Remarks: Wings: 101-2246, 101-2247 Profile: 101-2245 WNS: O											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														
Site Name Or Number: S-1	Date: Oct. 18, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger				Capture Number: E2							
Height in meters captured above ground surface:														
Species PESU	Sex F	Age A	Repro. Condition NR	Wt. (g) 7.25	Ear 11	Tragus 4	Fore- arm 34	Hind Foot 8	Recapture Yes/No No	Band Material	Band Color	Band Inscription PAGEC	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture 1930	Photo Taken Yes / <input checked="" type="checkbox"/> No		Remarks: WNS: O											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														
Site Name Or Number: S-1	Date: Oct. 18, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger				Capture Number: E3							
Height in meters captured above ground surface:														
Species PESU	Sex F	Age A	Repro. Condition NR	Wt. (g) 7.25	Ear 11	Tragus 4	Fore- arm 34	Hind Foot 8	Recapture Yes/No No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture 2000	Photo Taken Yes / <input type="checkbox"/> No		Remarks: Wings: 101-2249, 101-2250 Profile: 101-2248 WNS: O											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														

(Capture Number = Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

Bat Measurement and Capture Data Form(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-1	Date: Oct 18, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger				Capture Number: E4					
Height in meters captured above ground surface:												
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz)
PESU	M	A	SCR	6.75	10	4	33	7	No			
Time of Capture	Photo Taken		Remarks:									
2000	Yes / No		Wing: 101-2253, 101-2254 Profile: 101-2252									
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen												
Site Name Or Number: S-1	Date: Oct 18, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger				Capture Number: E5					
Height in meters captured above ground surface:												
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz)
									Yes			
Time of Capture	Photo Taken		Remarks:									
2000	Yes / No		Caught again at 2130 and 2200									
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen												
Site Name Or Number: S-1	Date: Oct 18, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger				Capture Number: E6					
Height in meters captured above ground surface:												
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz)
PESU	M	A	SCR	6.75	10	4	34	7				
Time of Capture	Photo Taken		Remarks:									
2300	Yes / No		Camera battery died									

HIGHWALL SITE 2 AND SITE 3

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Sept 20, 2012 2. Company Name: CEC

3. Bat Identifier: J. Basiger 4. Assistants: M. Gilmore
(Responsible Recorder)

5. Site Name and/or Number: SR6219, Section 020, site 2 & 3

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 - two openings within highwall

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

8. County: Somerset 9. 7.5' Quad.: Meyersdale

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S): Latitude: 39° 52' 26.0" N, Longitude: 79° 02' 58.9" W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT District 9-0 Environmental Manager, Tom Yocum (814) 696-7224

13. Time (military) & Temperature: Start Time 1900 h Stop Time 1200 h Total Minutes: 300

Start Temp. 15 °C End Temp. 10 °C (must stay ≥ 10 °C for summer netting)

14. General Weather (circle one): Clear Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other:

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
A	net	1	6 x 2.6	covering mine entrance A	15.6
B	net	1	2.6 x 2.6	covering mine entrance B	6.16

Total Capture Area: 22.36 sq. m

(Site Survey Record - Continued)

Site Name/No.: SR6219, Sec D20 Site 283 Date: Sept 20, 2012

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

Young upland forest in old mining beach

Black Birch
Red maple

Refer to description on

9/27/12 Bat Netting/Trapping

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

Site Survey

*CAPTURE RESULTS

Record Data Form.

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 0

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 19:00	Start Time: 20:00	Start Time: 21:00	Start Time: 22:00	Start Time: 23:00
End Time: 20:00	End Time: 21:00	End Time: 22:00	End Time: 23:00	End Time: 00:00
Tallies: 0	Tallies: 0	Tallies: 0	Tallies: 0	Tallies: 0

20. REMARKS:

No bat seen in sky above portal foraging or swarming

* Incomplete Survey *

FORM P-70008-N/T
12/01
Section 2

COMMONWEALTH OF PENNSYLVANIA
Pennsylvania Game Commission

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 9/27/17 2. Company Name: Skelly and Coy, Inc.
3. Reporter: J. Zephus 4. Assistants: L. Zugay
5. Site Name and/or Number: SR629, Sect 020, sites #2 & #3

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 - 2 openings within highwall

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

NA

8. County: Somerset 9. 7.5' Quad.: Meyersdale

10. Was site GPS'd (required)? YES NO

11. Geographic Coordinates (D-M-S): Latitude: 39°-52'-26.0"N, Longitude: 79°-02'-38.9"W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) contact PennDOT District 9-0 Environmental Manager, Tom Yocus (814) 696-7224

13. Time (military) & Temperature: Start Time 19:00 h Stop Time 20:45 h Total Minutes: 105

16° @ 20:30 Start Temp. 17.5 °C End Temp. 15 °C to

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain; to

Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (trees swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Net	1	6m x 2.6m	Placed to cover opening at Site #2	15.6m ²
2	Acoustic Detector	1	—	Placed 4ft. in front of opening at Site #2	—
3	Net	1	6m x 2.6m	Placed to cover opening at Site #3	15.6m ²
4	Acoustic Detector	1	—	Placed ~10ft in front of opening at Site #3	—

Total Capture Area: 31.2 sq. m

(Site Survey Record - Continued)

Site Name/No.:

SR6719-070-Site 213

Date:

9/27/12

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

Site is a high wall that resulted from stripping of coal seams; openings located 20-100 ft. above coal seams; site situated at upper portion of steep hillside. Extensive sandstone exposed outcrops for about 500 ft. east and 500 ft. west of survey area; Black birch, red maple, witch hazel, red oak, sweet cherry;

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total

fern spp, detritus & fresh leaf fall, grass spp, green briar, black raspberry.

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

Steady rain and thunderstorms moving in; suspended survey for the night.

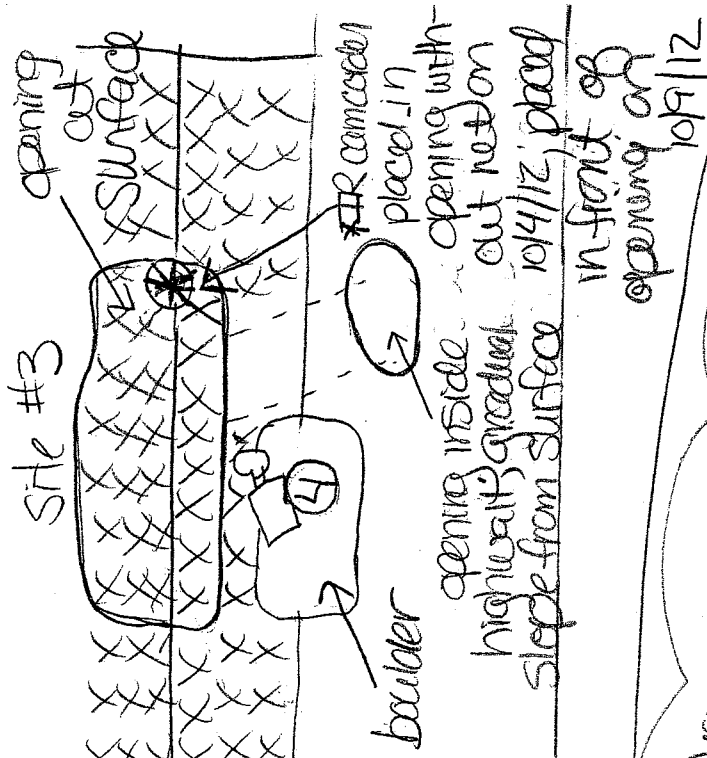
- top of Hill -

↓ steep slope ↓

- mid successional, to mature deciduous (less)
(dominant) forest -

- High wall -

(exposed sandstone outcrops)



- waste from coal seam stripping hurled over hillside -

↓ steep slope ↓

- mid successional, to mature deciduous (less) forest -
(dominant)

↓ steep slope ↓

* Incomplete Survey *

FORM P-70008-N/T
12/01
Section 2

COMMONWEALTH OF PENNSYLVANIA
Pennsylvania Game Commission

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 9/28/12
2. Company Name: Skelly and Lay, Inc.
3. Reporter: J. Fejzuo
4. Assistants: L. Zugaw
5. Site Name and/or Number: SR 6219, Section 020, sites #2 and #3
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 2 openings within highwall
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
NA
8. County: Somerset
9. 7.5' Quad.: Meyersdale
10. Was site GPS'd (required)? YES - NO
11. Geographic Coordinates (D-M-S): Latitude: 39° 52' 26.0" N, Longitude: 79° 02' 58.9" W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) contact PennDOT District 9-0 Environmental manager, Tom Yocum (814) 696-7224
13. Time (military) & Temperature: Start Time 18:40 Stop Time 20:40 Total Minutes: 120
Start Temp. 11.0 °C End Temp. 9.4 °C
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (trees swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Net	1	6m x 2.6m	Placed to cover opening at site #2	15.6m ²
2	Acoustic Detector	1	—	Placed 4ft. in front of opening at site #2	—
3	Net	1	6m x 2.6m	Placed to cover opening at site #3	15.6m ²
4	Acoustic Detector	1	—	Placed about 10ft in front of opening at site #3	—

Total Capture Area: 31.2 sq. m

19:40 = 10°C , partly cloudy, calm
20:00 = 9.75°C , partly cloudy, calm
20:10 = 9.75°C , partly cloudy, calm.
20:20 = 9.5°C , partly cloudy, calm.
2030 = 9.5°C , partly cloudy, calm
2040 = 9.4°C , partly cloudy, calm

(Site Survey Record - Continued)

Site Name/No.:

SR6219, Sect 20, #2 & #3

Date:


9/20/12

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

Refer to description on 9/27/12 Bat Netting/Trapping Site Survey Record data form.

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

- Refer to 9/27/12 Bat Netting/Trapping Site Survey Record data form for site sketch.
- Suspended survey for the night due to temperatures < 10°C within first 2 hours.

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10/01/2012 2. Company Name: Skelly and Co, Inc.
3. Reporter: J. Flyz 4. Assistants: L. Zugaw
5. Site Name and/or Number: SR629, Section 020, Sites #2 and #3

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 - two openings within highway

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

NA

8. County: Somerset 9. 7.5' Quad: Meyersdale

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S): Latitude: 39° 52' 26.0" N, Longitude: 79° 02' 58.9" W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT District 9-0 Environmental Manager, Tom Yocum (814) 696-7224

13. Time (military) & Temperature: Start Time 18:28 h Stop Time 23:30 h Total Minutes: 302

Start Temp. 13.0 °C End Temp. 11.0 °C intermittent

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

15. General Wind Conditions (circle one): Calm; Breezy (Leaves Rustling); Windy (trees swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Net	1	6m x 2.6m	Placed to cover opening at site #2	15.6m ²
2	Acoustic Detector	1	—	Placed 4ft. in front of opening at site #2	—
3	Net	1	6m x 2.6m	Placed to cover opening at site #3	15.6m ²
4	Acoustic Detector	1	—	Placed ~ 10ft. in front of opening at site #3	—

Total Capture Area: 31.2 sq. m

* refer to remarks regarding location.

weather

18:40 = 12.5°C, cloudy, no ppt, calm

18:50 = 12.5°C, cloudy, no ppt, calm

19:38 to 19:40 = drizzle, cloudy, light breeze; 12.25°C @ 19:40

19:48 to 19:51 = drizzle

19:58 to 20:11 = drizzle

20:30 = 11.5°C, cloudy, calm, no ppt.

21:31 = 11.5°C, cloudy, calm, no ppt.

21:45 to 21:49 = drizzle, calm.

22:30 = 11.25°C, cloudy, calm, no ppt.

(Site Survey Record - Continued)

Site Name/No.: SR209-020; #2 & #3

Date: 10/01/2012

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

Refer to description on 9/27/12 Bat Netting / Trapping Site Survey Record data form.

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total
											0

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: <u>18:28</u>	Start Time: <u>19:28</u>	Start Time: <u>20:28</u>	Start Time: <u>21:28</u>	Start Time: <u>22:28</u>
End Time: <u>19:27</u>	End Time: <u>20:27</u>	End Time: <u>21:27</u>	End Time: <u>22:27</u>	End Time: <u>23:30</u>
Tallies: 0	Tallies: 0	Tallies: 0	Tallies: 0	Tallies: 0

20. REMARKS:

- Acoustic detector at opening #1 placed about 4 feet in front of opening due to topography, obstructions, & location of.
- acoustic detector at opening #2 placed about 10ft. in front of opening.

- Refer to 9/27/12 Bat Netting / Trapping Site Survey Record data form for site sketch.

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10/02/2012 2. Company Name: Kelly and Lay, Inc.
3. Bat Identifier: J. Zylus (Responsible Recorder) 4. Assistants: L. Zugaey
5. Site Name and/or Number: SR6719, Section 020, sites #2 & #3

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 - two openings within highway

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

NA

8. County: Somerset 9. 7.5' Quad.: Meyersdale

10. Was site GPS'd (required)? YES NO

11. Geographic Coordinates (D-M-S): Latitude: 39° 52' 26.0" N, Longitude: 79° 02' 58.9" W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT District 90 Environmental manager, Tom Yocum (814) 696-7224

13. Time (military) & Temperature: Start Time 18:30 h Stop Time 23:30 h Total Minutes: 300
Start Temp. 15 °C End Temp. 14 °C (must stay ≥10 °C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Net	1	6m x 2.6m	placed to cover opening at site #2	15.6m ²
2	Acoustic detector	1	—	placed 4ft in front of opening at site #2	—
3	Net	1	6m x 2.6m	placed to cover opening at site #3	15.6m ²
4	Acoustic detector	1	—	placed 210ft in front of opening at site #3	—

* refer to remarks regarding location. Total Capture Area: 31.2 sq. m

weather

19:30 = 15°C, cloudy, light fog, calm, no precipitation (ppt)

20:30 = 14.0°C, cloudy, light fog, calm, no ppt.

21:30 = 14°C, cloudy, calm, no ppt.

22:30 = 14°C, cloudy, calm, no ppt.

(Site Survey Record - Continued)

Site Name/No.:

SR6219-020, #2 & #3

Date:

10/02/2012

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

Refer to description on 9/27/12 Bat Netting / Trapping Site Survey Record data form.

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 0

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 18:30	Start Time: 19:30	Start Time: 20:30	Start Time: 21:30	Start Time: 22:30
End Time: 19:29	End Time: 20:29	End Time: 21:29	End Time: 22:29	End Time: 23:30
Tallies: 1	Tallies: 1	Tallies: 0	Tallies: 0	Tallies: 1

20. REMARKS:

Acoustic detector at opening #1 placed about 4 ft in front of opening due to topography, obstructions, & location of opening.

Refer to 9/27/12 Bat Netting Trapping Site Survey Record data form for site sketch. *tally may not represent bat ultrasound

Site #2 - acoustic Results

1 acoustic recording at 20:27

Site #3 - acoustic Results

1 acoustic recording at 19:01

1 acoustic recording at 23:27

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10/04/2012 2. Company Name: Skelly and Coy, Inc.
3. Bat Identifier: J. Zely ZUS 4. Assistants: L. Zugaw
(Responsible Recorder)
5. Site Name and/or Number: SP 6219, section 020, sites #2 & #3

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 - two openings within highwall

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

NA

8. County: Somerset 9. 7.5' Quad.: Meyersdale

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S): Latitude: 39° 52' 26.0" N, Longitude: 79° 02' 58.9" W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT District 9-0 Environmental Manager, Tom Yocum (814) 696-7224

13. Time (military) & Temperature: Start Time 18:25 Stop Time 23:30 h - Total Minutes: 305

Start Temp. 15 °C End Temp. 8.5 °C (must stay ≥10 °C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Acoustic Detector	1	—	Placed ~6 ft in front of opening at site #2	—
2	IR camcorder	1	—	Placed in opening at site #2	—
3	Acoustic Detector	1	—	Placed ~10 ft in front of opening at site #3	—
4	IR camcorder	1	—	Placed in opening at site #3	—

Total Capture Area: _____ sq. m

Weather

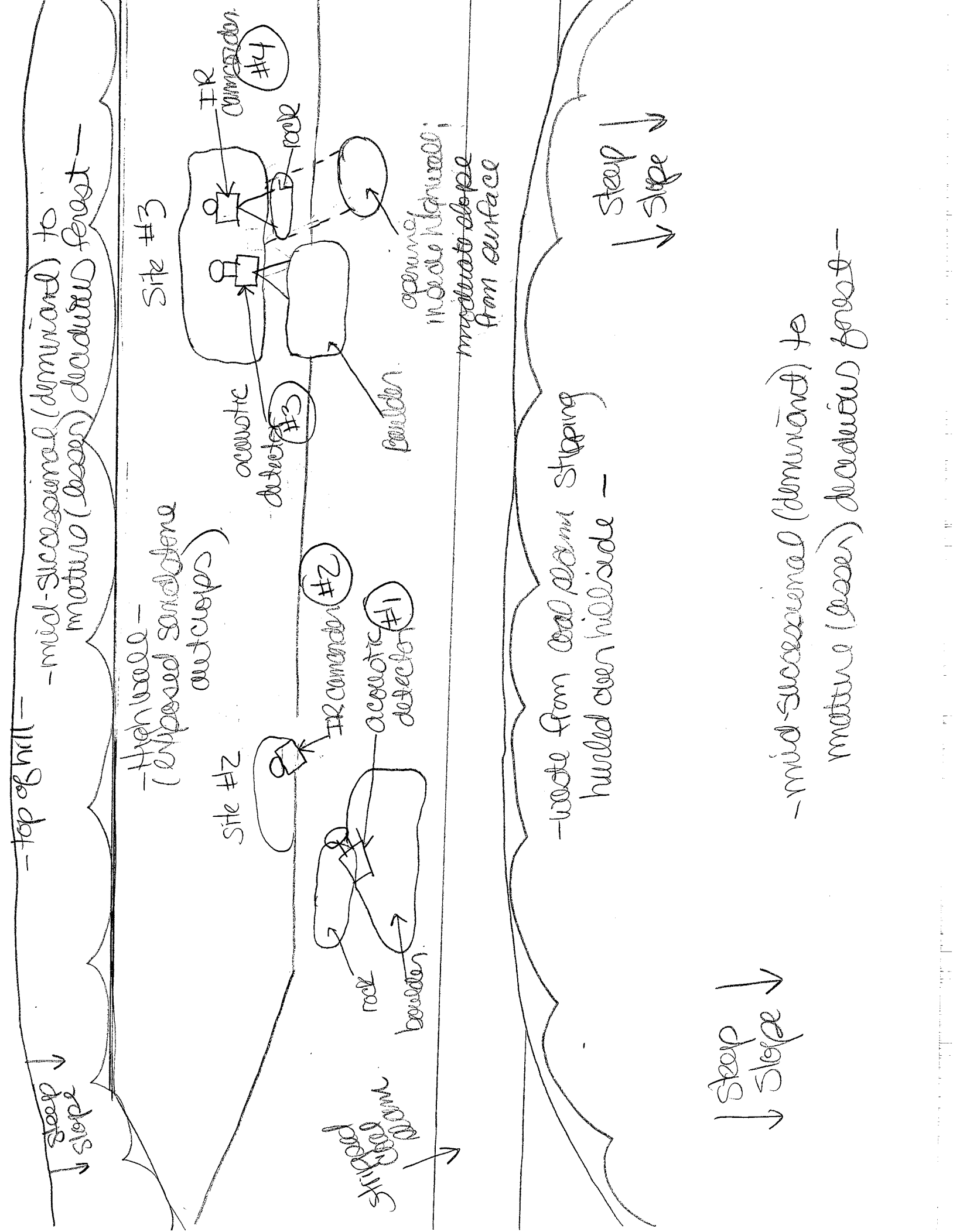
19:30 = 11.5°C; Cloudy; calm

20:05 = Clear; calm.

20:30 = 10.75°C, Clear, calm.

21:30 = 9.75°C, Clear, calm

22:30 = 9.0°C, Clear calm



(Site Survey Record - Continued)

Site Name/No.: SR029-020-Site #2 & #3

Date: 10/04/2012

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

Refer to description on 9/27/12 Bat Netting/Trapping Site Survey Record data form.

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total NA

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 18:25	Start Time: 19:30	Start Time: 20:30	Start Time: 21:30	Start Time: 22:30
End Time: 19:29	End Time: 20:29	End Time: 21:29	End Time: 22:29	End Time: 23:30
Tallies: * 1 / 0	Tallies: * 1 / 4	Tallies: * 1 / 2	Tallies: * 0 / 2	Tallies: * 0 / 2

20. REMARKS:

(IR camcorder #2 placed at opening #1)

See reverse for acoustic recording and IR camcorder summary of results (tallies are not necessarily emitted from a bat)
 * Site #2 / site #3

Site #2 - acoustic results

(cassette #2)

recordings not eliminated using Noise filter for
Anahook DOS:

- ✓ ① 18:25
- ✓ ② 19:48
- ✓ ③ 20:38

Site #3 - acoustic results

recordings not eliminated using Noise filter for.
Anahook DOS:

- ✓ ① 19:45
- ✓ ② 19:48
- ✓ ③ 19:55
- ✓ ④ 20:19
- ✓ ⑤ 20:38
- ✓ ⑥ 21:58.06
- ✓ ⑦ 21:58.25
- ✓ ⑧ 22:39
- ✓ ⑨ 23:03

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10-9-12 2. Company Name: Skelly + Loy
3. Bat Identifier: NA (Responsible Recorder) 4. Assistants: Logan Zugay, Trent Sustich
5. Site Name and/or Number: High Wall (PSD 2) SR6719, Section 070
6. Site is (circle one): hibernation site summer habitat Site #3
- 7a. If hibernation site circle one: limestone mine, coal mine, limestone cave, sandstone cave, RR tunnel,
other structure, describe - Opening within Highway
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
NA
8. County: Somerset 9. 7.5' Quad.: Meyersdale
10. Was site GPS'd (required)? YES NO
11. Geographic Coordinates (D-M-S): Latitude: 39° 52' 26.0" N, Longitude: 79° 02' 58.9" W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT District 9-0 Environmental Manager Tom Yocum (814) (610) 7224
13. Time (military) & Temperature: Start Time 18:15 h Stop Time 20:15 h Total Minutes: 300
Start Temp. 10.5 °C End Temp. 3.5 °C (must stay ≥ 10 °C for summer netting)
14. General Weather (circle one): Clear, Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Acoustic Detector	1	—	Placed about 10ft. in front of opening #3	—
2	IR camcorder	1	—	Placed just outside of opening #3	—

Total Capture Area: _____ sq. m

J. L. DARLING CORP. TACOMA, WA
www.RiteintheRain.com

TAS, LTZ			10-9-12	
6:15p	10.5°C	mostly clear	light wind	no precip
6:45p	10°C	mostly clear	light wind	no precip
7:15p	9.5°C	mostly clear	light wind	no precip
7:45p	8°C	clear	calm	no
8:15p	6°C	clear	calm	no
8:45p	6°C	clear	calm	no
9:15p	5.5°C	clear	calm	no
9:45p	4.5°C	clear	calm	no
10:15p	4°C	clear	calm	no
10:45p	3.5°C	clear	calm	no
11:15p	3.5°C	clear	calm	no

(Site Survey Record - Continued)

Site Name/No.: SE6719-070-Site #3 Date: 10-9-12

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

Refer to description on 9/27/12 Bat Netting / Trapping Site Survey Record data form

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total NA

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 18:15	Start Time: 19:15	Start Time: 20:15	Start Time: 21:15	Start Time: 22:15
End Time: 19:14	End Time: 20:14	End Time: 21:14	End Time: 22:14	End Time: 23:15
Tallies: 1	Tallies: 0	Tallies: III	Tallies: 1	Tallies: 0

20. REMARKS:

one bat recorded
with IR camcorder
exiting site #3 at 20:50 hours

Site #3 - acoustic results

Recordings not eliminated using noise filter
per Analook DOS:

- ① 19:03
- ② 20:42
- ③ 20:50 = bat recorded exiting highway
- ④ 21:14
- ⑤ 21:33

AIRSHAFT SITE 4

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 9-21-2012 2. Company Name: CEC
3. Bat Identifier: J. Basiger (Responsible Recorder) 4. Assistants: M. Gilmore
5. Site Name and/or Number: SR6219, Sec 020 Site 4
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 - abandoned air shaft
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Murdock
10. Was site GPS'd (required)? YES - NO
11. Geographic Coordinates (D-M-S): Latitude: 39°-53'-30.6"N, Longitude: 79°-02'-30.1"W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT
District 9-0 Environmental Manager Tom Yocum (814) 696-7224
13. Time (military) & Temperature: Start Time 19:00 h Stop Time 00:00 h Total Minutes: 300
Start Temp. 18.3 °C End Temp. 14.8 °C (must stay ≥10 °C for summer netting)
14. General Weather (circle one): Clear Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: _____ sq. m

(Site Survey Record - Continued) Site Name/No.: SR07A-070-Site #4 Date: 9-21-2012

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

Abandoned mine area; rolling hills, moderate slope; dry ravine that passes about 50ft in front of survey area and continues downslope to about 100ft from survey area; Red Pine plantations surrounding the site; reclaimed strip mine within 100ft. of survey area; early successional forest; Red maple also dominant.

18. Was reproductive status checked? YES 1 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>								1		1	1
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	2					2		1		1	3
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 4

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies: 0	Tallies: 52	Tallies: 217	Tallies: 215	Tallies: 203

20. REMARKS:

BAT NETTING/TRAPPING SITE SURVEY RECORD

1. Survey Date: 9-22-2012 2. Company Name: CCC
3. Bat Identifier: J. Basiger (Responsible Recorder) 4. Assistants: M. Gilmore
5. Site Name and/or Number: SR 6219, Sec 020, Site 4
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 - abandoned air shaft.
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Murdock
10. Was site GPS'd (required)? YES - NO
11. Geographic Coordinates (D-M-S): Latitude: 39° 53' 31.0" N, Longitude: 79° 02' 20.4" W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT
District 9-0 Environmental Manager Tom Locum (814) 696-7224
13. Time (military) & Temperature: Start Time 19:00 h Stop Time 00:00 h Total Minutes: 300
Start Temp. 17.9 °C End Temp. 13.7 °C (must stay ≥ 10 °C for summer netting)
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: 1 sq. m

(Site Survey Record - Continued)

Site Name/No.: SR6219, Sec 020, Site -4Date: 9-22-2012

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

Young forest edge in a small valleyVirginia PineRed maple- See 9/21/12 data18. 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>	3					3		4		4	7
<i>Myotis septentrionalis</i>											
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	4					4	2	13	1	16	20
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total
											27

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:
10	132	165	201	227

20. REMARKS:

Incomplete Survey

FORM P-70008-N/T
12/01
Section 2

COMMONWEALTH OF PENNSYLVANIA
Pennsylvania Game Commission

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 9/24/12 2. Company Name: Skelly and Lay, Inc.
3. Reporter: J. Zeyzels 4. Assistants: A. Nevin, L. Zugay
5. Site Name and/or Number: SR 6219, Section 020, Site #4

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 - Abandoned air shaft to coal mine

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

NA

8. County: Somerset 9. 7.5' Quad.: Murdock

10. Was site GPS'd (required)? YES NO

11. Geographic Coordinates (D-M-S): Latitude: 39° 53' 30.6" N, Longitude: 79° 02' 20.1" W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT District 9-0 Environmental Manager, Tom Yorum (814) 696-7224

13. Time (military) & Temperature: Start Time 18:43 h Stop Time 19:10 h Total Minutes: 27
Start Temp. 10 °C End Temp. 7.9 °C

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

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (trees swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
<u>1</u>	<u>Nets</u>	<u>4</u>	<u>12m x 2.6m</u>	<u>Stacked over trail</u>	<u>124.8 sq. m</u>
<u>1</u>	<u>Trap</u>	<u>1</u>	<u>1m x 1m</u>	<u>placed in front of opening</u>	<u>1m²</u>

Total Capture Area: _____ sq. m

(Site Survey Record - Continued)

Site Name/No.: SR6219, Sect 20 #4

Date: 9/24/12

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

Abandoned mine area; rolling hills, moderate slope; dry ravine that passes about 50ft in front of survey area and continues down slope to about 100ft from survey area; Red pine plantation surrounding site; reclaimed strip mine within 100ft of survey area; early successional forest; Red maple also dominant.

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

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total
											Ø

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

Suspended survey for the night due to temperatures < 10°C within first 2 hours.

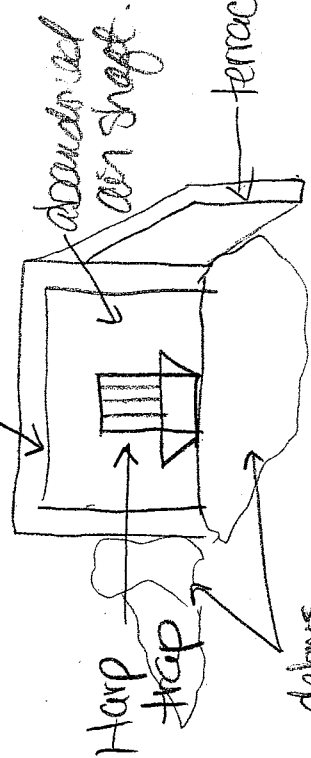
- Dirt Drive way (Private) -

moderate slope
↓

moderate slope
↓

- mixed forest -

terracotta brick shaft frame



- mixed forest -

Ravine

- mixed forest -

- grass hill -
(reclaimed strip mine)

Unrammed tributary
↓

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 9/25/12 2. Company Name: Skelly and Lay, Inc.
3. Reporter: J. Zey ZUS 4. Assistants: A. NEVIA, L. Zuck
5. Site Name and/or Number: SR 6219, Section 020, site #2/
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 - Abandoned air shaft to coal mine

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

NA

8. County: Somerset 9. 7.5' Quad.: Murdoch

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S): Latitude: 39° 53' 30.6" N, Longitude: 79° 02' 20.1" W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.)

Contact PennDOT District 9-0 Environmental Manager, Tom Krum (814) 696-7224

13. Time (military) & Temperature: Start Time 18:40 h Stop Time 24:10 h Total Minutes: 330

Start Temp. 15 °C End Temp. 12 °C

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;

Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm Breezy (Leaves Rustling), Windy (trees swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Trap	1	1m x 1m	placed in front of opening	1m ²

Total Capture Area: _____ sq. m

Hourly weather

19:40 = 13°C ; Cloudy ; Calm

21:10 = 12°C ; Cloudy ; Calm

23:21 = 12°C ; Cloudy with occasional drizzle ; Calm.
00:05 = 11.5°C ; " " " "

3 to 15
second

(Site Survey Record - Continued)

Site Name/No. SL619, Sect. 020, #4

Date: 9/25/12

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

Abandoned mine area; rolling hills, moderate slope; dry ravine that passes about 30 ft in front of survey area and continues downslope to about 100 ft from survey area; Red pine plantation surrounding site; reclaimed strip mine within 100 ft of survey area; early successional forest; Red maple also dominant.

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

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>	1					1		1		1	2
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	2			2		4	4	3		7	11
<i>Lasiurus borealis</i>											
<i>Lasiurus cinereus</i>											
<i>Lasionycteris noctivagans</i>											
Other – specify: <i>Myotis</i> *											1
Other – specify:											
Reproductive Status: NR= nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal/epididymis swollen. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 14

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour	
Start Time: 18:40	Start Time: 19:40	Start Time: 20:40	Start Time: 21:40	Start Time: 22:40	23:40
End Time: 19:39	End Time: 20:39	End Time: 21:39	End Time: 22:39	End Time: 23:39	24:10
Tallies: 2	Tallies: 76	Tallies: 193	Tallies: 104	Tallies: 109	40

20. REMARKS:

- Refer to 9/24/2012 Bat Netting / Trapping Site Survey Record data form for site sketch.
* Refer to capture notes

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 9/26/12 2. Company Name: Skelly and Co., Inc.
3. Reporter: J. Zeyher 4. Assistants: L. Zugaw, A. Brackens
5. Site Name and/or Number: SR 6219, Section 020, Site #4

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 - Abandoned air shaft to coal mine

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

NA

8. County: Somerset 9. 7.5' Quad.: Mundock

10. Was site GPS'd (required)? YES NO

11. Geographic Coordinates (D-M-S): Latitude: 39° 53' 30.6" N, Longitude: 79° 02' 30.1" W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT District 9-0 Environmental Manager, Tom Yocum (814) 696-7224

13. Time (military) & Temperature: Start Time 18:40 h Stop Time 23:45 h Total Minutes: 305
Start Temp. 17 °C End Temp. 11.5 °C

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

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (trees swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	1	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Trap	1	1m x 1m	Placed in front of opening	1 m ²

Total Capture Area: 1 sq. m

Hourly Weather:

18:40 = 1.3 ^{mph} avg. wind, wind gusts up to 2.4 mph; cloudy, breezy; 16.5°C

19:10 = 0.8 mph wind, 16.5°C; cloudy;

21:20 = 13°C; ^{partly} cloudy, calm.

22:20 = 12°C; partly cloudy, calm

23:31 = 11.5°C; partly cloudy, calm

(Site Survey Record - Continued)

Site Name/No.:

SP627, Sct 020, #4

Date:

9/26/12

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

Abandoned mine area, rolling hills, moderate slope, dry ravine that passes about 50ft in front of survey area and continues down slope to about 100ft from survey area; Red pine plantation surrounding site; reclaimed strip mine within 100ft of survey area; early successional forest; Red maple also dominant.

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

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>	1			2		3		2		2	5
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	6			1		7	11	12		23	30
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 35

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

Refer to 9/24/2012 Bat Netting / Trapping Site Survey Record data form for site sketch.

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Sep 27, 2012 2. Company Name: C&C
3. Bat Identifier: Jack Basiger 4. Assistants: Shannon Williams
(Responsible Recorder)
5. Site Name and/or Number: SR6219 Sec 020 Site 4
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 - abandoned air shaft
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Murdock
10. Was site GPS'd (required)? YES - NO
11. Geographic Coordinates (D-M-S): Latitude: 39° 53' 31.0" N, Longitude: 79° 02' 20.4" W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact Penn DOT
District 9-0 Environmental Manager - Tom Yocum (814) 696-7224
13. Time (military) & Temperature: Start Time 1900 h Stop Time 2100 h Total Minutes: 120
Start Temp. 16.9 °C End Temp. _____ °C (must stay ≥ 10 °C for summer netting)
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site: Rain Out

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp Trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: _____ sq. m

(Site Survey Record - Continued)

Site Name/No.: S-4Date: Sep 27, 2012

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

Young forest dominated by small Virginia Pine & Red Maple

See 9/21/12 data sheet

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

*CAPTURE RESULTS

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>Perimyotis 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. *Complete <u>Measurement and Capture Data Form</u> for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 0

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies: 6	Tallies: 3	Tallies:	Tallies:	Tallies:

20. REMARKS:

Rain Out

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Sep 28, 2012 2. Company Name: CEC
3. Bat Identifier: Jack Basiger 4. Assistants: Shannon Williams
(Responsible Recorder)
5. Site Name and/or Number: SR6219 Sec 020 Site 4
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 - abandoned air shaft.
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Murdock
10. Was site GPS'd (required)? (YES) - NO
11. Geographic Coordinates (D-M-S): Latitude: 39°-53'-31.0 N, Longitude: 79°-02'-20.4 W
Datum (circle one): (NAD27) (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact Penn DOT
District 9-0 Environmental Manager Tom Yocum (814) 696-7224
13. Time (military) & Temperature: Start Time 1830 h Stop Time 2100 h Total Minutes: 150
Start Temp. 12.2 °C End Temp. 8.9 °C (must stay ≥10 °C for summer netting)
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; (Cloudy); Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): (Calm), Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Hand Trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: _____ sq. m

(Site Survey Record - Continued)

Site Name/No.: S-4Date: Sep. 28, 2012

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

Young forest dominated by small Virginia Pine & Red Maple near air shaft
of old mine - See 9/21/12 data sheet

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>	1					1		1		1	2
<i>Myotis septentrionalis</i>								1		1	1
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	2					2		3		3	5
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 8

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies: 107	Tallies: 118	Tallies:	Tallies:	Tallies:

20. REMARKS:

Cold Out

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Sep 29, 2012 2. Company Name: CEC
3. Bat Identifier: Jack Basinger 4. Assistants: Shannon Williams
(Responsible Recorder)
5. Site Name and/or Number: SR 6219, Sec 020 S-4
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 - abandoned air shaft.
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Murdock
10. Was site GPS'd (required)? YES - NO
11. Geographic Coordinates (D-M-S): Latitude: 39°-53'-31.0"N, Longitude: 79°-02'-20.4"W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact Penn DOT
District 9-0 Environmental Manager Tom Yocum (814) 696-7224
13. Time (military) & Temperature: Start Time 1830 h Stop Time 1900 h Total Minutes: 30
Start Temp. 11.3 °C End Temp. 8.7 °C (must stay ≥ 10 °C for summer netting)
14. General Weather (circle one): Clear, Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: _____ sq. m

(Site Survey Record - Continued)

Site Name/No.: S-4Date: Sep. 29, 2012

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

Old Mine Air shaft near Young forest dominated by small Yewings
Pine and red maple

See 9/21/12 data sheet

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total
											0

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

Cold Out

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10/1/2012 2. Company Name: CEC
3. Bat Identifier: Jack Basiger (Responsible Recorder) 4. Assistants: Shannon Williams
5. Site Name and/or Number: SR 6219, Sec 020 S-4
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 - abandoned air shaft
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad: Murdock
10. Was site GPS'd (required)? YES NO
11. Geographic Coordinates (D-M-S): Latitude: 39° 53' 31.0" N, Longitude: 79° 02' 20.4" W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT District 9-D Environmental Manager Tom Yocum (814) 696-7224
13. Time (military) & Temperature: Start Time 1830 h Stop Time 2330 h Total Minutes: 300
Start Temp. 13.3 °C End Temp. 12.2 °C (must stay ≥ 10 °C for summer netting)
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp Trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: 1 sq. m

(Site Survey Record - Continued)

Site Name/No.: S-4Date: 10/11/2012

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

Young upland forest in valley Virginia Pine
Red maple
- see 9/21/12 datasheet

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

*CAPTURE RESULTS

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>								4			4
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	4							14			18
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 22

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies: 4	Tallies: 12	Tallies: 135	Tallies: 47	Tallies: —

20. REMARKS:

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Oct 2, 2012 2. Company Name: CEC
3. Bat Identifier: Jack Basiger (Responsible Recorder) 4. Assistants: Shannon Williams
5. Site Name and/or Number: SRG 219 SECOZO S-4
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 - Abandoned air shaft
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad: Murdock
10. Was site GPS'd (required)? YES - NO
11. Geographic Coordinates (D-M-S): Latitude: 39°-53'-30.6 N, Longitude: 79°-02'-20.1 W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.)
Contact PennDot District 9-0 Environmental Manager, Tom Yocum (814) 696-7224
13. Time (military) & Temperature: Start Time 1830 h Stop Time 2330 h Total Minutes: 300
Start Temp. 16.1 °C End Temp. 16.3 °C (must stay ≥ 10 °C for summer netting)
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harb Trap	1	1m x 1m	Placed in front of opening	1 m ²

Total Capture Area: _____ sq. m

(Site Survey Record - Continued) Site Name/No.: SRG 219 SEC020 S-4 Date: Oct 2, 2012

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

See 9/21/12 data sheet

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>							1	3		4	4
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	4					4		15		15	19
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 23

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 18:30	Start Time: 19:30	Start Time: 20:30	Start Time: 21:30	Start Time: 22:30
End Time: 19:30	End Time: 20:30	End Time: 21:30	End Time: 22:30	End Time: 23:30
Tallies: 8	Tallies: 151	Tallies: 218	Tallies: 88	Tallies: 62

20. REMARKS:

Time	Temp
1830	61.1
1900	61.1
1930	60.9
2000	61.1
2030	60.9
2100	60.9
2130	61.1
2200	61.1
2230	61.3

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Oct 3, 2012 2. Company Name: CSC
3. Bat Identifier: Jack Basiger (Responsible Recorder) 4. Assistants: Shannon Williams
5. Site Name and/or Number: SR6219 SECOZO S-4
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 - Abandoned air shaft
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Murdock
10. Was site GPS'd (required)? YES - NO
11. Geographic Coordinates (D-M-S): Latitude: 39°-53'-30.6"N, Longitude: 79°-02'-20.1"W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Tom Vocum (814) 696-7224
PennDot District 9-D Environmental Manager
13. Time (military) & Temperature: Start Time 1830 h Stop Time 2330 h Total Minutes: 300
Start Temp. 18.5 °C End Temp. 15.7 °C (must stay ≥ 10°C for summer netting)
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: 1 sq. m

(Site Survey Record - Continued) Site Name/No.: SR6219 SEC020 S-4 Date: Oct 3, 2012

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

see 9/21/12 data sheet

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>Epptesicus fuscus</i>	2		1			3	2	1	1	4	7
<i>Myotis lucifugus</i>								1		1	1
<i>Myotis septentrionalis</i>							1	2		3	3
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Epptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	9					9		11		11	20
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 24

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 18:30	Start Time: 19:30	Start Time: 20:30	Start Time: 21:30	Start Time: 22:30
End Time: 19:30	End Time: 20:30	End Time: 21:30	End Time: 22:30	End Time: 23:30
Tallies: 0	Tallies: 94	Tallies: 126	Tallies: 138	Tallies: 163

20. REMARKS:

Time	Temp
1830	65.3
1900	
1930	62.4
2000	61.7
2030	60.9
2100	60.8
2130	60.9
2200	60.8
2230	60.4
	60.5

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Oct 4, 2012 2. Company Name: CEC
3. Bat Identifier: Jack Basiger 4. Assistants: Shannon Williams
(Responsible Recorder)
5. Site Name and/or Number: SR6219 SEC 020 S-4

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 - Abandoned air shaft

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

N/A
8. County: Somerset 9. 7.5' Quad: Murdock

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S): Latitude: 39°-53'-30.6"N, Longitude: 79°-02'-20.1"W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Tom Vocum (814) 696-7224

PennDot District 9-0 Environmental Manager

13. Time (military) & Temperature: Start Time 1830 h Stop Time 2330 h Total Minutes: 300

Start Temp. 15.3 °C End Temp. 8.8 °C (must stay ≥ 10 °C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp Trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: 1 sq. m

(Site Survey Record – Continued) Site Name/No.: SR 6219 SEC020 S-4 Date: Oct 4, 2012

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

See 9/21/12 data sheet

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>							4			4	4
<i>Myotis septentrionalis</i>	1					1	3	2		5	6
<i>Myotis leibii</i>							1 recapture				
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	5					5	4	6		47	52
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 62

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 18:30	Start Time: 19:30	Start Time: 20:30	Start Time: 21:30	Start Time: 22:30
End Time: 19:30	End Time: 20:30	End Time: 21:30	End Time: 22:30	End Time: 23:30
Tallies: 3	Tallies: 451	Tallies: 639	Tallies: 485	Tallies: 181

20. REMARKS:

Time	Temp
1830	59.5
1900	55.4
1930	53.2
2000	51.9
2030	51.4
2100	50.5
2130	50.0
2200	49.4
2230	48.3
2300	45.0

BAT NETTING/TRAPPING SITE SURVEY RECORD

1. Survey Date: Oct 5, 2012 2. Company Name: CEC
3. Bat Identifier: Jack Basiger 4. Assistants: Shannon Williams
(Responsible Recorder)
5. Site Name and/or Number: SR 6219 SEC 020 S-4
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 - Abandoned air shaft
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Murdock
10. Was site GPS'd (required)? (YES) - NO
11. Geographic Coordinates (D-M-S): Latitude: 39°-53'-30.6"N, Longitude: 79°-02'-20.1"W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Tom Vocum (814) 696-7224
Penn Dot District 9-0 Environmental Manager
13. Time (military) & Temperature: Start Time 1820 h Stop Time 2320 h Total Minutes: _____
Start Temp. 16.5 °C End Temp. 9.4 °C (must stay ≥10 °C for summer netting)
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp Trap	1	1m x 1m	Placed in front of opening	1 m ²

Total Capture Area: 1 sq. m

(Site Survey Record - Continued) Site Name/No.: SR 6219 SSC 020 S-4 Date: Oct 5, 2012

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

See 9/21/12 data sheet

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>							1			1	1
<i>Myotis septentrionalis</i>	1					1	1			1	2
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	6					6	11	4		15	21
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 24

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 1820	Start Time: 1920	Start Time: 2020	Start Time: 2120	Start Time: 2220
End Time: 1920	End Time: 2020	End Time: 2120	End Time: 2220	End Time: 2320
Tallies: 0	Tallies: 234	Tallies: 225	Tallies: 304	Tallies: 159

20. REMARKS:

Time	Temp
1820	61.7
1850	58.3
1920	56.6
1950	54.6
2020	53.8
2050	52.1
2120	51.9
2150	50.7
2220	50.4

* Incomplete Survey *

FORM P-70008-N/T

COMMONWEALTH OF PENNSYLVANIA

12/09

Pennsylvania Game Commission

Section 2

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10/06/2012 2. Company Name: Skelly and Coy, Inc.
3. Bat Identifier: J. Zely ZUS (Responsible Recorder) 4. Assistants: E. Bruggeman
5. Site Name and/or Number: SR 6219, Section 020, Site #4
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: Abandoned airshaft to coal mine
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
NA
8. County: Somerset 9. 7.5' Quad.: Murdock
10. Was site GPS'd (required)? YES - NO
11. Geographic Coordinates (D-M-S): Latitude: 39° 53' 31.0" N, Longitude: 79° 02' 20.4" W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDot District 9-0 Environmental Manager, Tom Yocum (814) 696-7224
13. Time (military) & Temperature: Start Time 18:20 h Stop Time 19:40 h Total Minutes: 80
Start Temp. 10 °C End Temp. 2 °C (36°F) → elevation of opening and 4 feet from ground.
(must stay ≥ 10 °C for summer netting)
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site: Clear, Calm @ 19:20

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: _____ sq. m

19:35 = 42°F, clear, calm. (15 ft from opening
elevation and 6 ft above ground)

(Site Survey Record - Continued)

Site Name/No.: SR 629, Sect. 020 #4

Date: 10/06/2012

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

Abandoned mine area, rolling hills, moderate slope, dry ravine that passes about 50ft in front of survey area and continues down slope to about 100ft from survey area; Red pine plantations surrounding site; reclaimed strip mine within 100ft of survey area; early successional forest; Red maple also dominant.

18. Was reproductive status checked? YES NO (if "NO" only enter numbers in Total columns)

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>Perimyotis subflavus</i>							1			1	1
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 1

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 18:20	Start Time: 19:20	Start Time: X	Start Time: X	Start Time: X
End Time: 19:19	End Time: 19:40	End Time: X	End Time: X	End Time: X
Tallies: 0	Tallies: 77	Tallies: NA	Tallies: NA	Tallies: NA

20. REMARKS:

- Two bats seen flying / foraging mid canopy Aug @ 19:22
- Refer to 9/24/2012 Bat Netting/Trapping data form for site sketch.

Suspended survey for the night due to temperatures < 10°C within first 2 hrs.

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Oct 9, 2012 2. Company Name: CEC
3. Bat Identifier: Ryan Stark (Responsible Recorder) 4. Assistants: Shannon Williams
5. Site Name and/or Number: SR 6219 SEC 020 S-4
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 - Abandoned air shaft
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Murdock
10. Was site GPS'd (required)? (YES) NO
11. Geographic Coordinates (D-M-S): Latitude: 39° - 53' - 30.6"N, Longitude: 79° - 02' - 20.1"W
Datum (circle one): (NAD27 (Preferred)), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Tom Vocum (814) 696-7224
Penn Dot District 9-0 Environmental Manager
13. Time (military) & Temperature: Start Time 1820 h Stop Time 2320 h Total Minutes: 300
Start Temp. 11.8 °C End Temp. 2.5 °C (must stay ≥ 10°C for summer netting)
14. General Weather (circle one): Clear, (Partly Cloudy), Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): (Calm), Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp Trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: 1 sq. m

(Site Survey Record - Continued) Site Name/No.: SR 6219 SEC020 S-4 Date: Oct 9, 2012

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

see 9/21/12 data sheet

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>							0			0	0
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	2					2	2			3	5
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 10

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 18:20	Start Time: 19:20	Start Time: 20:20	Start Time: 21:20	Start Time: 22:20
End Time: 19:20	End Time: 20:20	End Time: 21:20	End Time: 22:20	End Time: 23:20
Tallies: 0	Tallies: 3	Tallies: 12	Tallies: 9	Tallies: 0

20. REMARKS:

Time	temp	Weather
1820	53.4	Calm, mostly cloudy
1850	50.0	Calm, Partly cloudy
1920	45.6	Calm, Partly cloudy
1950	43.7	Calm, clear
2020	41.7	Calm, clear
2050	40.8	Calm, clear
2120	40.4	Calm, clear
2150	40.1	Calm, clear
2220	38.1	Calm, clear
2250	37.4	Calm, clear
2320		Calm, clear

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Oct 11, 2012 2. Company Name: CEC
3. Bat Identifier: Ryan Slack 4. Assistants: Shannon Williams
(Responsible Recorder)
5. Site Name and/or Number: SR 6219 SECOZO S-4
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 - Abandoned air shaft
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):

8. County: Somerset 9. 7.5' Quad: Murdock
10. Was site GPS'd (required)? YES NO
11. Geographic Coordinates (D-M-S): Latitude: 39°-53'-31.0"N, Longitude: 79°-02'-20.4"W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Tom Yocum (814) 696-7224
Penn Dot District 9-D Environmental Manager
13. Time (military) & Temperature: Start Time 1820 h Stop Time 1837 h Total Minutes: 17
Start Temp. 10.5 °C End Temp. 6.1 °C (must stay ≥ 10 °C for summer netting)
14. General Weather (circle one): Clear, Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp Trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: 1 sq. m

(Site Survey Record - Continued)

Site Name/No.: SR 6219 SEC 020 S-4Date: Oct 11, 2012

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

see 9/21/12

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total
											0

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS: Cold out

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Oct 13, 2012 2. Company Name: CSC
3. Bat Identifier: Ryan Slack 4. Assistants: Shamon Williams
(Responsible Recorder)
5. Site Name and/or Number: SR6219 SEC020 S-4
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 - Abandoned air shaft
- 7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
N/A
8. County: Somerset 9. 7.5' Quad.: Murdock
10. Was site GPS'd (required)? YES - NO
11. Geographic Coordinates (D-M-S): Latitude: 39° - 53' - 30.6"N, Longitude: 79° - 02' - 20.1"W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Tom Vocum (814) 696-7224
PennDot District 9-D Environmental Manager
13. Time (military) & Temperature: Start Time 1806 h Stop Time 2306 h Total Minutes: 300
Start Temp. 11.5 °C End Temp. 7.9 °C (must stay ≥ 10 °C for summer netting)
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).
16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harb Trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: 1 sq. m

(Site Survey Record - Continued) Site Name/No.: SR 6219 SEC020 S-4 Date: Oct 13, 2012

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

See 9/21/12 notes.

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>	1					1	1			1	2
<i>Myotis septentrionalis</i>							7			7	7
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>							8			8	8
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 17

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 18 06	Start Time: 19 06	Start Time: 20 06	Start Time: 21 06	Start Time: 22 06
End Time: 19 06	End Time: 20 06	End Time: 21 06	End Time: 22 06	End Time: 23 06
Tallies: 0	Tallies: 28	Tallies: 27	Tallies: 80	Tallies: 53

20. REMARKS:

Time	Temp	
1806	52.7	Mostly cloudy, Windy
1836	49.6	Partly cloudy, Calm
1906	45.1	Mostly cloudy, Calm
1936	45.8	Overcast, Light wind
2006	46.9	Clear, Light wind
2036	47.4	Clear, Light wind
2106	44.6	Clear, Calm
2136	44.4	Clear, Calm
2206	44.2	Clear, Calm
2236	43.8	Clear, Calm

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Oct 14, 2012 2. Company Name: CSC

3. Bat Identifier: Ryan Slack 4. Assistants: Shannon Williams
(Responsible Recorder)

5. Site Name and/or Number: SR 6219 SEC020 S-4

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 - Abandoned air shaft

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

N/A

8. County: Somerset 9. 7.5' Quad.: Murdock

10. Was site GPS'd (required)? (YES) - NO

11. Geographic Coordinates (D-M-S): Latitude: 39°-53'-31.0"N, Longitude: 79°-02'-20.4"W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Tom Yocum (814) 696-7224
Penn Dot District 9-0 Environmental Manager

13. Time (military) & Temperature: Start Time 1806 h Stop Time 2306 h Total Minutes: 300

Start Temp. 19.2 °C End Temp. 15.5 °C (must stay ≥10 °C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; (Mostly Cloudy) Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), (Windy (Trees Swaying))

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp Trap	1	1m x 1m	Place in front of opening	1m ²

Total Capture Area: 1 sq. m

(Site Survey Record – Continued)

Site Name/No.: SR 6219 SFCOZO S-4Date: Oct 14, 2012

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

See 9/21/12 data sheet

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>	2					2	2			2	4
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>	1					1	5			5	6
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 10

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 1806	Start Time: 1906	Start Time: 2006	Start Time: 2106	Start Time: 2206
End Time: 1906	End Time: 2006	End Time: 2106	End Time: 2206	End Time: 2306
Tallies: 0	Tallies: 22	Tallies: 24	Tallies: 12	Tallies: 98

20. REMARKS:

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Oct 15, 2012 2. Company Name: C&C

3. Bat Identifier: Ryan Slack 4. Assistants: Shannon Williams
(Responsible Recorder)

5. Site Name and/or Number: SR 6219 SEC 020 S-4

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 - Abandoned air shaft

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

N/A

8. County: Somerset 9. 7.5' Quad.: Murdock

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S): Latitude: 39°-53'-31.0"N, Longitude: 79°-02'-20.4"W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Tom Yocum (814) 696-7274
PennDot District 9-0 Environmental manager

13. Time (military) & Temperature: Start Time 1806 h Stop Time 2306 h Total Minutes: 300

Start Temp. 10.9 °C End Temp. 7.0 °C (must stay ≥10 °C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp Trap	1	1m x 1m	Placed in front of opening	1 m ²

Total Capture Area: 1 sq. m

(Site Survey Record – Continued) Site Name/No.: SR6219 SEC 020 S-4 Date: Oct 15, 2012

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

See 9/21/12 data sheet

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>							3			3	3
<i>Myotis septentrionalis</i>	1					1	2			2	3
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>							1				1
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 7

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 1806	Start Time: 1906	Start Time: 2006	Start Time: 2106	Start Time: 2206
End Time: 1906	End Time: 2006	End Time: 2106	End Time: 2206	End Time: 2306
Tallies: 1	Tallies: 40	Tallies: 22	Tallies: 15	Tallies: 1

20. REMARKS:

Time	Temp	weather
1806	51.8	cloudy, windy
1836	49.6	cloudy, windy
1906	49.0	rainy, windy
1936	47.1	light rain, windy
2006	47.4	drizzle, windy
2036	46.7	cloudy, windy
2106	46.2	drizzle, windy
2136	45.6	cloudy, windy
2206	44.9	drizzle, windy
2236	44.7	drizzle, windy
2306	44.6	cloudy, windy

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Oct 16, 2012 2. Company Name: CEC

3. Bat Identifier: Jack Basiger 4. Assistants: Shannon Williams
(Responsible Recorder)

5. Site Name and/or Number: SR 6219 580020 S-4

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 - Abandoned air shaft

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

N/A

8. County: Somerset 9. 7.5' Quad.: Murdock

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S): Latitude: 39 ° - 53 ' - 31.0 "N, Longitude: 79 ° - 02 ' - 20.4 "W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Tom Yocum (814) 696-7224
PennDot District 9-0 Environmental manager

13. Time (military) & Temperature: Start Time 1806 h Stop Time 1856 h Total Minutes: 50

Start Temp. 9.4 °C End Temp. 4.1 °C (must stay ≥10 °C for summer netting)

14. General Weather (circle one): Clear Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site: Cold Out

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp Trap	1	1m x 1m	In front of opening	1m ²

Total Capture Area: 1 / 1 sq. m

(Site Survey Record – Continued)


Site Name/No.: SR 6219 SEC 020 S-4Date: Oct 16, 2012

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

See 9/21/12

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time:	Start Time:	Start Time:	Start Time:	Start Time:
End Time:	End Time:	End Time:	End Time:	End Time:
Tallies:	Tallies:	Tallies:	Tallies:	Tallies:

20. REMARKS:

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: Oct 17, 2012 2. Company Name: CEC

3. Bat Identifier: Jack Basiger 4. Assistants: Shannon Williams
(Responsible Recorder)

5. Site Name and/or Number: SR6219 SEC020 3-4

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 - Abandoned air shaft

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

N/A

8. County: Somerset 9. 7.5' Quad.: Murdock

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S): Latitude: 39°-53'-31.0"N, Longitude: 79°-02'-20.4"W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Tom Yocum (814) 696-7224
Penn Dot District 9-0 Environmental manager

13. Time (military) & Temperature: Start Time 1803 h Stop Time 2303 h Total Minutes: 300

Start Temp. 14.1 °C End Temp. 6.3 °C (must stay ≥10 °C for summer netting)

14. General Weather (circle one): Clear, Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp Trap	1	1m x 1m	Place in front of opening	1m ²

Total Capture Area: 1 sq. m

(Site Survey Record – Continued) Site Name/No.: SR6219 SEC 020 S-4 Date: October 17, 2012

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

See 9/21/12 data sheet

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>							3			3	3
<i>Myotis septentrionalis</i>	5					5	1	1		2	7
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>							3			3	3
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 13

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 1803	Start Time: 1903	Start Time: 2003	Start Time: 2103	Start Time: 2203
End Time: 1903	End Time: 2003	End Time: 2103	End Time: 2203	End Time: 2303
Tallies: 0	Tallies: 1	Tallies: 14	Tallies: 14	Tallies: 40

20. REMARKS:

Time	Temp	weather
1803	57.3	Clear, Breezy
1833	51.8	Clear, Calm
1903	47.3	Clear, Calm
1933	46.7	clear, Calm
2003	46.0	Clear, Calm
2033	44.6	Clear, Calm
2103	44.9	Clear, Calm
2133	45.8	Clear, Calm
2203	46.0	Clear, Calm
2233	46.1	clear, Calm
2303	43.3	Clear, Calm

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10/18/2012 2. Company Name: Skelly and Coy, Inc.
3. Reporter: J. Zyklus 4. Assistants: T. Sustich
5. Site Name and/or Number: SR 6219, Section 020, Site #4
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 - Air shaft to coal mine.
7b. If summer habitat, describe area being sampled (e.g. forested stream or forest clearing with stream):
NA
8. County: Somerset 9. 7.5' Quad.: Murdock
10. Was site GPS'd (required)? YES - NO
11. Geographic Coordinates (D-M-S): Latitude: 39°-53'-30.6"N, Longitude: 79°-02'-20.1"W
Datum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____
12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT
District 9-0 Environmental Manager, Tom Yocum (814) 696-7224
13. Time (military) & Temperature: Start Time 18:03h Stop Time 23:30h Total Minutes: 327
Start Temp. 13 °C End Temp. 6 °C
14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
Steady Rain; Thunderstorms; Snow; Other: _____
15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (trees swaying).
16. Capture Setup at Site: occasional

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Trap	1	1m x 1m	placed in front of opening.	1 m ²

Total Capture Area: 1 sq. m

weather

18:33 = 12.5°C, breezy, cloudy, occasional drizzle

18:55 = 11.25°C, thunderstorm and heavy rain,
Shut down until 19:26

19:26 = 9°C, cloudy, rain ceased, calm

* 31 minutes of ppt. during survey *

19:26 = bat seen flying.

19:45 = light rain, trapping proceeding

20:05 = 9°C, cloudy, light rain, calm

* 20:10 = Moderate Rain, survey suspended *

20:17 9°C, moderate rain continues, anabat down

21:00 Thermometer pulled due to rain, moderate
rain continues, calm winds

21:22 Rain slows to a drizzle, 9.5°C

* 21:30 - Rain stopped. Anabat back up, survey continued *

21:40 8.75°C, light breeze starting

21:57 8.75°C, moderate wind occasional gusts up to 2.4 mph

22:07 8.75°C, breeze and gusts stopped

22:30 8.5°C, clear, no rain, calm

23:00 7.75°C, mostly clear, no rain, calm

23:30 6°C, clear, no rain, calm

➡ Total time with Rain = 31 minutes + 80 minutes
= 1 hour, 51 minutes

(Site Survey Record - Continued)

Site Name/No.: SP629, 020-Site #4

Date: 10/18/2012

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

Abandoned mine area; rolling hills, moderate slope; dry ravine passes about 50 ft in front of survey area and continues downslope to about 100 ft. from survey area; Red pine plantations surrounding site; reclaimed strip mine within 100 ft. of survey area; early successional forest; *CAPTURE RESULTS Red maple also dominant.

18. Was reproductive status checked? YES NO (if "NO" only enter numbers in Total columns)

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>							1			1	1
<i>Myotis septentrionalis</i>							1	1		2	2
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis subflavus</i>							2			2	2
<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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 5

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour	
Start Time: 18:03	Start Time: 19:03	Start Time: 20:03	Start Time: 21:03	Start Time: 22:03	23:03
End Time: 19:02	End Time: 20:02	End Time: 21:02	End Time: 22:02	End Time: 23:02	23:30
Tallies: 0	Tallies: 20	Tallies: 8	Tallies: 0	Tallies: 37	22
20. REMARKS: Rain Notes stopped detector for 31 mins. stopped detector for 45 mins. stopped detector for 28 mins					

- Refer to 9/24/2012 Bat Netting/Trapping data form for site sketch.

BAT NETTING/TRAPPING SITE SURVEY RECORD

1. Survey Date: Oct 19, 2012 2. Company Name: CEC

3. Bat Identifier: J. Basiger (Responsible Recorder) 4. Assistants: S. Williams

5. Site Name and/or Number: SR6219 Sec 020 S-4

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 - Abandoned air shaft

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

8. County: Somerset 9. 7.5' Quad.: Murdock

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S): Latitude: 39° - 53' - 31.0"N, Longitude: 79° - 02' - 20.4"W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Tom Yocum (814) 696-7224
Penn Dot District 9-0 Environmental manager

13. Time (military) & Temperature: Start Time 1800 h Stop Time 2300 h Total Minutes: 300

Start Temp. 13.6 °C End Temp. 10 °C (must stay ≥ 10 °C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Harp trap	1	1m x 1m	Placed in front of opening	1m ²

Total Capture Area: 1 sq. m

(Site Survey Record - Continued)

Site Name/No.: S-4Date: 10/19/2012

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

See 9/21/12 data sheet18. 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>	1					1					1
<i>Myotis septentrionalis</i>							2			2	2
<i>Myotis leibii</i>											
<i>Myotis sodalis</i>											
<i>Eptesicus fuscus</i>											
<i>Perimyotis 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. *Complete <u>Measurement and Capture Data Form</u> for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 3

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: <u>1800</u>	Start Time: <u>1900</u>	Start Time: <u>2000</u>	Start Time: <u>2100</u>	Start Time: <u>2200</u>
End Time: <u>1900</u>	End Time: <u>2000</u>	End Time: <u>2100</u>	End Time: <u>2200</u>	End Time: <u>2300</u>
Tallies: <u>0</u>	Tallies: <u>1</u>	Tallies: <u>1</u>	Tallies: <u>0</u>	Tallies: <u>0</u>

20. REMARKS:

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR 6219, Sec 020</u>	Date: <u>9/21/2012</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>J. Basiger</u>	*Capture Number: <u>1</u>
Height in meters captured above ground surface: <u>5-4</u>				
Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	WNS Wing Score: <u>0</u>
Photo Taken: <u>Yes</u> / No	Wt. (g): <u>7.0</u>	Ear: <u>9</u>	Tragus: <u>4</u>	Fore-arm: <u>34</u>
				Hind Foot: <u>6</u>
Time of Capture: <u>2200</u>	Wing Photo ID: <u>1501, 1502</u>	Remarks: <u>bat 1500</u>		
Repro: Condition: <u>NR</u> = nonreproductive; PG = pregnant; L = lactating; PL = postlactating; SCR = scrotal/epididymis swollen				
Site Name Or Number: <u>S-4</u>	Date: <u>9/21/2012</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>J. Basiger</u>	*Capture Number: <u>2</u>
Height in meters captured above ground surface: <u>X</u>				
Species: <u>MYSE</u>	Sex: <u>M</u>	Age: <u>NR</u>	Repro. Condition: <u>A</u>	WNS Wing Score: <u>0-P</u>
Photo Taken: <u>Yes</u> / No	Wt. (g): <u>9</u>	Ear: <u>15</u>	Tragus: <u>9</u>	Fore-arm: <u>34</u>
				Hind Foot: <u>7</u>
Time of Capture: <u>2200</u>	Wing Photo ID: <u>1506, 1507</u>	Remarks: <u>bat 1504, 1505</u> <u>hole in right wing</u> <u>damage</u>		
Repro: Condition: <u>NR</u> = nonreproductive; PG = pregnant; L = lactating; PL = postlactating; SCR = scrotal/epididymis swollen				
Site Name Or Number: <u>S-4</u>	Date: <u>9/21/2012</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>J. Basiger</u>	*Capture Number: <u>3</u>
Height in meters captured above ground surface: <u>X</u>				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>ND</u>	WNS Wing Score: <u>0</u>
Photo Taken: <u>Yes</u> / No	Wt. (g): <u>6.25</u>	Ear: <u>11</u>	Tragus: <u>3</u>	Fore-arm: <u>33</u>
				Hind Foot: <u>8</u>
Time of Capture: <u>2231</u>	Wing Photo ID: <u>1509, 1510</u>	Remarks: <u>body 1508</u>		
Repro: Condition: <u>NR</u> = nonreproductive; PG = pregnant; L = lactating; PL = postlactating; SCR = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219, Sec 020</u>		Date: <u>9/21/2012</u>		Set No. Captured In:		Name of Person Identifying the Bat: <u>J. Basiger</u>		*Capture Number: <u>4</u>				
Height in meters captured above ground surface:		m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)						
Species <u>PEsu</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>8.0</u>	Fore- arm <u>34</u>	Hind Foot <u>7</u>	Recapture Yes/No <u>NO</u>	Band Material <u>-</u>	Band Color <u>-</u>	Band Inscription <u>-</u>	Band on Left/Right <u>-</u>	Transmitter Attached? If so: Frequency (mHz) <u>-</u>
Time of Capture <u>0000</u>		Photo Taken Yes / (No)		WNS Wing Score <u>0</u>		Wing Photo ID:		Remarks:				
<hr/>												
Site Name Or Number:		Date:		Set No. Captured In:		Name of Person Identifying the Bat:		*Capture Number:				
Height in meters captured above ground surface:		m		Body Measurements (grams and millimeters)				Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore- arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture		Photo Taken Yes / No		WNS Wing Score		Wing Photo ID:		Remarks:				
<hr/>												
Site Name Or Number:		Date:		Set No. Captured In:		Name of Person Identifying the Bat:		*Capture Number:				
Height in meters captured above ground surface:		m		Body Measurements (grams and millimeters)				Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore- arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture		Photo Taken Yes / No		WNS Wing Score		Wing Photo ID:		Remarks:				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR 6219, Sec 020</u> <u>5-4</u>	Date: <u>22 Sept 2012</u>	Set No. <u>-</u> Captured In:	Name of Person Identifying the Bat: <u>J. Barger</u>	*Capture Number: <u>5</u>													
Height in meters captured above ground surface: <u>PESU</u>	Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NL</u>	Wt. (g) <u>7.5</u>	Ear <u>14</u>	Tragus <u>5</u>	Fore-arm <u>33</u>	Hind Foot <u>7</u>	Body Measurements (grams and millimeters)	Recapture Yes/No <u>NO</u>	Band Material <u>-</u>	Band Color <u>-</u>	Band Inscription <u>-</u>	Band on Left/Right <u>-</u>	Transmitter Attached? If so: Frequency (mHz) <u>-</u>	
Time of Capture <u>2014</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>1514, 1515</u>	Remarks: <u>body pic 1513</u>													

Site Name Or Number: <u>5-4</u>	Date: <u>22 Sept 2012</u>	Set No. <u>-</u> Captured In:	Name of Person Identifying the Bat: <u>J. Barger</u>	*Capture Number: <u>6</u>													
Height in meters captured above ground surface: <u>PESU</u>	Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>6.25</u>	Ear <u>10</u>	Tragus <u>4</u>	Fore-arm <u>32</u>	Hind Foot <u>6</u>	Body Measurements (grams and millimeters)	Recapture Yes/No <u>NO</u>	Band Material <u>-</u>	Band Color <u>-</u>	Band Inscription <u>-</u>	Band on Left/Right <u>-</u>	Transmitter Attached? If so: Frequency (mHz) <u>-</u>	
Time of Capture <u>2030</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>body 1516</u>	Remarks: <u>Wing photo - 1517, 1518</u>													

Site Name Or Number: <u>5-4</u>	Date: <u>22 Sept 2012</u>	Set No. <u>-</u> Captured In:	Name of Person Identifying the Bat: <u>J. Barger</u>	*Capture Number: <u>7</u>													
Height in meters captured above ground surface: <u>PESU</u>	Species <u>PESU</u>	Sex <u>M</u>	Age <u>J</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>10.5</u>	Ear <u>11</u>	Tragus <u>5</u>	Fore-arm <u>35</u>	Hind Foot <u>7.0</u>	Body Measurements (grams and millimeters)	Recapture Yes/No <u>NO</u>	Band Material <u>-</u>	Band Color <u>-</u>	Band Inscription <u>-</u>	Band on Left/Right <u>-</u>	Transmitter Attached? If so: Frequency (mHz) <u>-</u>	
Time of Capture <u>2030</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>1520, 1521</u>	Remarks: <u>body 1519</u>													

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number:	SR 6219, Sec 020		Date:	9/22/2012		Set No.	-		Name of Person Identifying the Bat:	J. BASIGER		*Capture Number:	8	
Height in meters captured above ground surface:	-													
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)
MYLU	M	A	NR	7	15	6	37	7	NO	AWN	SILVER	55902	RIGHT	-
Time of Capture	Photo Taken (Yes / No)		WNS Wing Score	Wing Photo ID: 1529, 1526, 1528 body 1529										
2045	(Yes) / (No)		Ø	Remarks:										
Repro: Condition: NR = nonreproductive; PG = pregnant; L = lactating; PL = post lactating; SCR = scrotal/epididymis swollen														
Site Name Or Number:	S-4		Date:	9/22/2012		Set No.	-		Name of Person Identifying the Bat:	J. BASIGER		*Capture Number:	9	
Height in meters captured above ground surface:	-													
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)
PESU	M	A	NR	6.5	10	4	32	7	NO	-	-	-	-	-
Time of Capture	Photo Taken (Yes / No)		WNS Wing Score	Wing Photo ID: 1532, 1533 face-1531										
2105	(Yes) / (No)		Ø	Remarks:										
Repro: Condition: NR = nonreproductive; PG = pregnant; L = lactating; PL = post lactating; SCR = scrotal/epididymis swollen														
Site Name Or Number:	S-4		Date:	9/22/2012		Set No.	-		Name of Person Identifying the Bat:	J. BASIGER		*Capture Number:	10	
Height in meters captured above ground surface:	-													
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)
PESU	A	F	NR	7.5	12	4	34	10	NO	-	-	-	-	-
Time of Capture	Photo Taken (Yes / No)		WNS Wing Score	Wing Photo ID: 1535, 1536 Portrait-1534										
2105	(Yes) / (No)		Ø	Remarks:										

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number:	5R219, Sec 020 S-4		Date:	9/22/2012		Set No.	-		Name of Person Identifying the Bat:	J. BASINGER		*Capture Number:	11											
Height in meters captured above ground surface:	PESU		Body Measurements (grams and millimeters)		Wt. (g)		Fore-arm		Hind Foot		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (MHz)											
	Sex	M	Age	A	Repro. Condition	NR	Wt. (g)	7.9	Fore-arm	33	Hind Foot	7	Recapture Yes/No	NO	Band Material	-	Band Color	-	Band Inscription	-	Band on Left/Right	-	Transmitter Frequency (MHz)	-
Time of Capture	2105		Photo Taken	Yes / No		WNS Wing Score		1538, 1539		Wing Photo ID:		face-1537		Remarks:										
Repro: Condition: NR=nonreproductive; PG=pregnant; L=lactating; PL=post-lactating; SCR=scrotal/epididymis swollen																								
Site Name Or Number:	S-4		Date:	9/22/2012		Set No.	-		Name of Person Identifying the Bat:	J. BASINGER		*Capture Number:	12											
Height in meters captured above ground surface:	PESU		Body Measurements (grams and millimeters)		Wt. (g)		Fore-arm		Hind Foot		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (MHz)											
	Sex	M	Age	A	Repro. Condition	NR	Wt. (g)	7.2	Fore-arm	33	Hind Foot	6	Recapture Yes/No	NO	Band Material	-	Band Color	-	Band Inscription	-	Band on Left/Right	-	Transmitter Frequency (MHz)	-
Time of Capture	2145		Photo Taken	Yes / No		WNS Wing Score		1541, 1542		Wing Photo ID:		face-1540		Remarks:										
Repro: Condition: NR=nonreproductive; PG=pregnant; L=lactating; PL=post-lactating; SCR=scrotal/epididymis swollen																								
Site Name Or Number:	S-4		Date:	9/22/2012		Set No.	-		Name of Person Identifying the Bat:	J. BASINGER		*Capture Number:	13											
Height in meters captured above ground surface:	PESU		Body Measurements (grams and millimeters)		Wt. (g)		Fore-arm		Hind Foot		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (MHz)											
	Sex	M	Age	A	Repro. Condition	NR	Wt. (g)	8.1	Fore-arm	33	Hind Foot	7	Recapture Yes/No	NO	Band Material	-	Band Color	-	Band Inscription	-	Band on Left/Right	-	Transmitter Frequency (MHz)	-
Time of Capture	2145		Photo Taken	Yes / No		WNS Wing Score		1544, 1545		Wing Photo ID:		face-1543		Remarks:										
Repro: Condition: NR=nonreproductive; PG=pregnant; L=lactating; PL=post-lactating; SCR=scrotal/epididymis swollen																								

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219, Sec070</u>	Date: <u>9/22/2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>J. BASINGER</u>	*Capture Number: <u>14</u>
Height in meters captured above ground surface: <u>—</u> m				
Species <u>MYLU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.5</u>
	Ear <u>12</u>	Tragus <u>6</u>	Fore- arm <u>37</u>	Hind Foot <u>9</u>
Time of Capture <u>2145</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>— 0</u>	Wing Photo ID: <u>1548, 1549</u>	Remarks: <u>face - 1546</u>
Repro: Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>9/22/2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>J. BASINGER</u>	*Capture Number: <u>15</u>
Height in meters captured above ground surface: <u>—</u> m				
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.1</u>
	Ear <u>11</u>	Tragus <u>4</u>	Fore- arm <u>34</u>	Hind Foot <u>6</u>
Time of Capture <u>2145</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>1554, 1555</u>	Remarks: <u>profile - 1553</u>
Repro: Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>9/22/2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>J. BASINGER</u>	*Capture Number: <u>16</u>
Height in meters captured above ground surface: <u>—</u> m				
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>8.0</u>
	Ear <u>12</u>	Tragus <u>4</u>	Fore- arm <u>36</u>	Hind Foot <u>7</u>
Time of Capture <u>2145</u>	Photo Taken <u>(Yes) / No</u>	WNS Wing Score <u>0</u>	Wing Photo ID: <u>1551, 1552</u>	Remarks: <u>Profile - 1550</u>
Repro: Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post-lactating, <u>SCR</u> = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219, Sec 020</u> <u>5-4</u>	Date: <u>9/22/2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>J. BASIGER</u>	*Capture Number: <u>17</u>
Height in meters captured above ground surface: <u>—</u>				
Species <u>PSU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	m
Wt. (g) <u>6.9</u>	Ear <u>11</u>	Tragus <u>4</u>	Fore- arm <u>33</u>	Hind Foot <u>7</u>
WNS Wing Score <u>0</u>	Wing Photo ID: Remarks:			
Time of Capture <u>2215</u>	Photo Taken <input checked="" type="radio"/> Yes / <input type="radio"/> No			
Repro: Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>9/22/2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>J. BASIGER</u>	*Capture Number: <u>18</u>
Height in meters captured above ground surface: <u>—</u>				
Species <u>MYLU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	m
Wt. (g) <u>7.4</u>	Ear <u>12</u>	Tragus <u>6</u>	Fore- arm <u>34</u>	Hind Foot <u>7</u>
WNS Wing Score <u>0</u>	Wing Photo ID: Remarks:			
Time of Capture <u>2215</u>	Photo Taken <input checked="" type="radio"/> Yes / <input type="radio"/> No			
Repro: Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>9/22/2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>J. BASIGER</u>	*Capture Number: <u>19</u>
Height in meters captured above ground surface: <u>—</u>				
Species <u>PSU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	m
Wt. (g) <u>7.2</u>	Ear <u>13</u>	Tragus <u>5</u>	Fore- arm <u>33</u>	Hind Foot <u>8</u>
WNS Wing Score <u>0</u>	Wing Photo ID: Remarks:			
Time of Capture <u>2230</u>	Photo Taken <input checked="" type="radio"/> Yes / <input type="radio"/> No			
Repro: Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>9/22/2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>J. BASIGER</u>	*Capture Number: <u>19</u>
Height in meters captured above ground surface: <u>—</u>				
Species <u>PSU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	m
Wt. (g) <u>7.2</u>	Ear <u>13</u>	Tragus <u>5</u>	Fore- arm <u>33</u>	Hind Foot <u>8</u>
WNS Wing Score <u>0</u>	Wing Photo ID: Remarks:			
Time of Capture <u>2230</u>	Photo Taken <input checked="" type="radio"/> Yes / <input type="radio"/> No			
Repro: Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number:	SR6214, Sec 020		Date:	9/22/2012		Set No.	Captured In:		Name of Person Identifying the Bat:		J.BAS160R		*Capture Number:	20	
Height in meters captured above ground surface:	— m														
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)	
PE30	M	A	NR	7.5	12	4	32	8	NO	—	—	—	—	—	
Time of Capture	Photo Taken		WNS Wing Score	Wing Photo ID:											
2230	Yes / No		0	Remarks:											
Repro: Condition: NR=nonreproductive; PG=pregnant; L=lactating; PL=post-lactating; SCR=scrotal/epididymis swollen															
Site Name Or Number:	S-4		Date:	9/22/2012		Set No.	Captured In:		Name of Person Identifying the Bat:		J.BAS160R		*Capture Number:	21	
Height in meters captured above ground surface:	m														
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)	
PE30	M	A	NR						YES						
Time of Capture	Photo Taken		WNS Wing Score	Wing Photo ID:											
2251	Yes / No			Remarks:											
Repro: Condition: NR=nonreproductive; PG=pregnant; L=lactating; PL=post-lactating; SCR=scrotal/epididymis swollen															
Site Name Or Number:	S-4		Date:	9/22/2012		Set No.	Captured In:		Name of Person Identifying the Bat:		J.BAS160R		*Capture Number:	22	
Height in meters captured above ground surface:	— m														
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)	
PE30	M	A	SCR	7.0	10	4	32	7	NO	—	—	—	—	—	
Time of Capture	Photo Taken		WNS Wing Score	Wing Photo ID:											
2251	Yes / No		0-P	Remarks: Small hole in left wing											

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219 sec 020</u> <u>5-4</u>	Date: <u>9/22/2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>J. BASIGER</u>	*Capture Number: <u>23</u>
Height in meters captured above ground surface:				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	m
Wt. (g) <u>6.6</u>	Ear <u>11</u>	Tragus <u>4</u>	Fore-arm <u>33</u>	Hind Foot <u>6</u>
WNS Wing Score <u>Q-P</u>	Wing Photo ID:			
Photo Taken <u>Yes</u> / <u>No</u>	Remarks: <u>Small hole returning</u>			
Time of Capture <u>2320</u>				
Repro: Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post-lactating; <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>9/22/2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>J. BASIGER</u>	*Capture Number: <u>24</u>
Height in meters captured above ground surface:				
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	m
Wt. (g) <u>7.1</u>	Ear <u>11</u>	Tragus <u>4</u>	Fore-arm <u>34</u>	Hind Foot <u>6</u>
WNS Wing Score <u>Q</u>	Wing Photo ID:			
Photo Taken <u>Yes</u> / <u>No</u>	Remarks: <u>11-19-12 No pictures found MO</u>			
Time of Capture <u>2320</u>				
Repro: Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post-lactating; <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>9/22/2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>J. BASIGER</u>	*Capture Number: <u>25</u>
Height in meters captured above ground surface:				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	m
Wt. (g) <u>7.5</u>	Ear <u>10</u>	Tragus <u>5</u>	Fore-arm <u>35</u>	Hind Foot <u>8</u>
WNS Wing Score <u>Q</u>	Wing Photo ID:			
Photo Taken <u>Yes</u> / <u>No</u>	Remarks:			
Time of Capture <u>2320</u>				
Repro: Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post-lactating; <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>9/22/2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>J. BASIGER</u>	*Capture Number: <u>25</u>
Height in meters captured above ground surface:				
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	m
Wt. (g) <u>7.5</u>	Ear <u>10</u>	Tragus <u>5</u>	Fore-arm <u>35</u>	Hind Foot <u>8</u>
WNS Wing Score <u>Q</u>	Wing Photo ID:			
Photo Taken <u>Yes</u> / <u>No</u>	Remarks:			
Time of Capture <u>2320</u>				
Repro: Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post-lactating; <u>SCR</u> = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219, sec 070</u>		Date: <u>9/22/2012</u>		Set No. Captured In: <u>-</u>		Name of Person Identifying the Bat: <u>J.BASIGER</u>		*Capture Number: <u>26</u>				
Height in meters captured above ground surface:		m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz)				
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>6.9</u>	Fore- arm <u>34</u>	Hind Foot <u>7</u>	Recapture Yes/No <u>NO</u>	Band Material <u>f</u>	Band Color <u>-</u>	Band Inscription <u>-</u>	Band on Left/Right <u>-</u>	Transmitter Attached? If so: Frequency (mHz) <u>-</u>
Time of Capture <u>2320</u>		Photo Taken Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		WNS Wing Score <u>0</u>		Wing Photo ID:		Remarks:				
Repro: Condition: <u>NR</u> nonreproductive; PG = pregnant; L = lactating; PL = post lactating; SCR = scrotal/epididymis swollen												
Site Name Or Number: <u>S-4</u>		Date: <u>9/22/2012</u>		Set No. Captured In: <u>-</u>		Name of Person Identifying the Bat: <u>J.BASIGER</u>		*Capture Number: <u>27</u>				
Height in meters captured above ground surface:		m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz)				
Species <u>MYLU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>8.1</u>	Fore- arm <u>36</u>	Hind Foot <u>9</u>	Recapture Yes/No <u>NO</u>	Band Material <u>AUM SILV</u>	Band Color <u>-</u>	Band Inscription <u>55910</u>	Band on Left/Right <u>Left</u>	Transmitter Attached? If so: Frequency (mHz) <u>-</u>
Time of Capture <u>2326</u>		Photo Taken Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		WNS Wing Score <u>0</u>		Wing Photo ID:		Remarks:				
Repro: Condition: <u>NR</u> nonreproductive; PG = pregnant; L = lactating; PL = post lactating; SCR = scrotal/epididymis swollen												
Site Name Or Number: <u>S-4</u>		Date: <u>9/22/2012</u>		Set No. Captured In: <u>-</u>		Name of Person Identifying the Bat: <u>J.BASIGER</u>		*Capture Number: <u>28</u>				
Height in meters captured above ground surface:		m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz)				
Species <u>MYLU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>8.9</u>	Fore- arm <u>37</u>	Hind Foot <u>8</u>	Recapture Yes/No <u>NO</u>	Band Material <u>AUM SILV</u>	Band Color <u>-</u>	Band Inscription <u>55907</u>	Band on Left/Right <u>Right</u>	Transmitter Attached? If so: Frequency (mHz) <u>-</u>
Time of Capture <u>2320</u>		Photo Taken Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		WNS Wing Score <u>0</u>		Wing Photo ID:		Remarks:				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219, se-020</u>	Date: <u>9/22/2012</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>J. BASINGER</u>	*Capture Number: <u>29</u>
Height in meters captured above ground surface:				
Species: <u>MYLU</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>7.8</u>	Ear: <u>12</u>	Tragus: <u>4</u>
Sex: <u>M</u>	Age: <u>A</u>	Fore-arm: <u>39</u>	Hind Foot: <u>8</u>	WNS Wing Score: <u>Ø</u>
Photo Taken: <u>Yes</u> / <u>No</u>	Wing Photo ID: <u>Ø</u>			
Time of Capture: <u>2320</u>	Remarks:			
Repro: Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post-lactating; <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>S-4</u>	Date: <u>9/22/2012</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>J. BASINGER</u>	*Capture Number: <u>30</u>
Height in meters captured above ground surface:				
Species: <u>PESU</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>7.4</u>	Ear: <u>9</u>	Tragus: <u>4</u>
Sex: <u>M</u>	Age: <u>A</u>	Fore-arm: <u>34</u>	Hind Foot: <u>9</u>	WNS Wing Score: <u>Ø</u>
Photo Taken: <u>Yes</u> / <u>No</u>	Wing Photo ID: <u>Ø</u>			
Time of Capture: <u>2320</u>	Remarks:			
Repro: Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post-lactating; <u>SCR</u> = scrotal/epididymis swollen				
Site Name Or Number: <u>S-4</u>	Date: <u>9/22/2012</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>J. BASINGER</u>	*Capture Number: <u>31</u>
Height in meters captured above ground surface:				
Species: <u>PESU</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>8</u>	Ear: <u>-</u>	Tragus: <u>-</u>
Sex: <u>M</u>	Age: <u>A</u>	Fore-arm: <u>33</u>	Hind Foot: <u>-</u>	WNS Wing Score: <u>Ø</u>
Photo Taken: <u>Yes</u> / <u>No</u>	Wing Photo ID: <u>Ø</u>			
Time of Capture: <u>2320</u>	Remarks:			
Repro: Condition: <u>NR</u> = nonreproductive; <u>PG</u> = pregnant; <u>L</u> = lactating; <u>PL</u> = post-lactating; <u>SCR</u> = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>Site 4, SR6219</u>	Date: <u>9-25-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zervus</u>	*Capture Number: <u>13</u>
Height in meters captured above ground surface: <u>N/A</u>				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Transmitter Attached? If so: Frequency (MHz) <u>N/A</u>
Time of Capture: <u>20:08</u>	Photo Taken: <u>(Yes) / No</u>	Remarks: <u>7.1 g - white coloration on back side of left wing below forearm. # 6857-6859</u>		
Body Measurements (grams and millimeters)				
Wt. (g) <u>7.1</u>	Ear <u>14</u>	Tragus <u>6</u>	Fore-arm <u>34</u>	Hind Foot <u>8</u>
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No <u>No</u>	Band Material <u>-</u>	Band Color <u>-</u>	Band Inscription <u>-</u>	Band on Left/Right <u>-</u>
*Capture Number: <u>13</u>				
Reproductive Condition: <u>NR</u> - nonreproductive, PG - pregnant, L - lactating, FI - post lactating, SCR - serotally dependent on milk				
Site Name Or Number: <u>S-4, SR6219-020</u>	Date: <u>9-25-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zervus</u>	*Capture Number: <u>13</u>
Height in meters captured above ground surface: <u>N/A</u>				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Transmitter Attached? If so: Frequency (MHz) <u>N/A</u>
Time of Capture: <u>20:45</u>	Photo Taken: <u>(Yes) / No</u>	Remarks: <u>Photos 6860-6863</u>		
Body Measurements (grams and millimeters)				
Wt. (g) <u>7.8</u>	Ear <u>11</u>	Tragus <u>6</u>	Fore-arm <u>34</u>	Hind Foot <u>8</u>
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No <u>No</u>	Band Material <u>-</u>	Band Color <u>-</u>	Band Inscription <u>-</u>	Band on Left/Right <u>-</u>
*Capture Number: <u>13</u>				
Reproductive Condition: <u>NR</u> - nonreproductive, PG - pregnant, L - lactating, FI - post lactating, SCR - serotally dependent on milk				
Site Name Or Number: <u>S-4, SR6219-020</u>	Date: <u>9-25-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zervus</u>	*Capture Number: <u>13</u>
Height in meters captured above ground surface: <u>N/A</u>				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Transmitter Attached? If so: Frequency (MHz) <u>N/A</u>
Time of Capture: <u>20:45</u>	Photo Taken: <u>(Yes) / No</u>	Remarks: <u>Photos 6864-6867</u>		
Body Measurements (grams and millimeters)				
Wt. (g) <u>6.1</u>	Ear <u>11</u>	Tragus <u>6</u>	Fore-arm <u>33.5</u>	Hind Foot <u>8</u>
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No <u>No</u>	Band Material <u>-</u>	Band Color <u>-</u>	Band Inscription <u>-</u>	Band on Left/Right <u>-</u>
*Capture Number: <u>13</u>				
Reproductive Condition: <u>NR</u> - nonreproductive, PG - pregnant, L - lactating, FI - post lactating, SCR - serotally dependent on milk				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4; SR029-020	Date: 9-25-12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeigel	*Capture Number: 114
Height in meters captured above ground surface: N/A				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.8
	Ear: 12	Tragus: 5.5	Fore-arm: 32	Hind Foot: 7.5
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: No	Band Material: -	Band Color: -	Band Inscription: -	Band on Left/Right: -
Transmitter Attached? If so: Frequency (mHz): -				
Time of Capture: 20:45	Remarks: Photos 6868-6869 WNS = 0			

Site Name Or Number: S-4; SR029-020	Date: 9-25-12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeigel	*Capture Number: 115
Height in meters captured above ground surface: N/A				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.4
	Ear: 12.5	Tragus: 5.5	Fore-arm: 32	Hind Foot: 6.5
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: No	Band Material: -	Band Color: -	Band Inscription: -	Band on Left/Right: -
Transmitter Attached? If so: Frequency (mHz): -				
Time of Capture: 21:40	Remarks: Photos 6870-6872 WNS = 0			

Site Name Or Number: S-4; SR029-020	Date: 9-25-12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeigel	*Capture Number: 116
Height in meters captured above ground surface: N/A				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 7.1
	Ear: 11.5	Tragus: 5	Fore-arm: 33	Hind Foot: 7
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: No	Band Material: -	Band Color: -	Band Inscription: -	Band on Left/Right: -
Transmitter Attached? If so: Frequency (mHz): N/A				
Time of Capture: 21:40	Remarks: Photos 6873-6875 WNS = 0			

Section 3

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4, SR629-020	Date: 9-25-12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeveloff	*Capture Number: A7
Height in meters captured above ground surface: N/A m	Transmitter Attached? If so: Frequency (MHz) N/A			
Species: MYSE	Sex: A	Age: A	Repro. Condition: NR	Wt. (g): 8.9
Time of Capture: 21:40	Photo Taken: (Yes) / No	Remarks: Photos 6876 - 6880 WNS = 0	Banded - Banded	
Repro. Condition: NR - nonreproductive, PG - pregnant, L - lactating, PL - post-lactating, SCR - serotally epididymis swollen				
Site Name Or Number: S-4, SR629-020	Date: 9-25-12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeveloff	*Capture Number: A8
Height in meters captured above ground surface: N/A m	Transmitter Attached? If so: Frequency (MHz) N/A			
Species: MUSE	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 8.1
Time of Capture: 21:40	Photo Taken: (Yes) / No	Remarks: Photos 6881 - 6884 WNS = 0	Banded - Banded	
Repro. Condition: NR - nonreproductive, PG - pregnant, L - lactating, PL - post-lactating, SCR - serotally epididymis swollen				
Site Name Or Number: S-4, SR629-020	Date: 9-25-12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeveloff	*Capture Number: A9
Height in meters captured above ground surface: N/A m	Transmitter Attached? If so: Frequency (MHz) N/A			
Species: MYOTIS	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 8.8
Time of Capture: 22:36	Photo Taken: (Yes) / No	Remarks: Photos 6885 - 6891 WNS = 0	Banded - Banded	
Repro. Condition: NR - nonreproductive, PG - pregnant, L - lactating, PL - post-lactating, SCR - serotally epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>S-4; SR029-020</u>	Date: <u>9-25-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyl</u>	*Capture Number: <u>A10</u>
Height in meters captured above ground surface: <u>N/A</u> m				
Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>7.4</u>
	Ear: <u>10</u>	Tragus: <u>5</u>	Fore-arm: <u>34</u>	Hind Foot: <u>7</u>
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: <u>No</u>	Band Material: <u>-</u>	Band Color: <u>-</u>	Band Inscription: <u>-</u>	Band on Left/Right: <u>-</u>
Transmitter Attached? If so: Frequency (mHz) <u>N/A</u>				
Time of Capture: <u>22:38</u>	Remarks: <u>6892-6893 Photos</u> <u>WNS = 0</u>			

Site Name Or Number: <u>S-4; SR029-020</u>	Date: <u>9-25-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyl</u>	*Capture Number: <u>A11</u>
Height in meters captured above ground surface: <u>N/A</u> m				
Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Repro. Condition: <u>PL</u>	Wt. (g): <u>7.3</u>
	Ear: <u>10</u>	Tragus: <u>5</u>	Fore-arm: <u>34</u>	Hind Foot: <u>6</u>
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: <u>No</u>	Band Material: <u>-</u>	Band Color: <u>-</u>	Band Inscription: <u>-</u>	Band on Left/Right: <u>-</u>
Transmitter Attached? If so: Frequency (mHz) <u>N/A</u>				
Time of Capture: <u>23:40</u>	Remarks: <u>Photo: 6894</u> <u>WNS = 0</u>			

Site Name Or Number: <u>S-4; SR029-020</u>	Date: <u>9-25-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyl</u>	*Capture Number: <u>A12</u>
Height in meters captured above ground surface: <u>N/A</u> m				
Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Repro. Condition: <u>PL</u>	Wt. (g): <u>7.6</u>
	Ear: <u>11</u>	Tragus: <u>4</u>	Fore-arm: <u>34</u>	Hind Foot: <u>8</u>
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: <u>No</u>	Band Material: <u>-</u>	Band Color: <u>-</u>	Band Inscription: <u>-</u>	Band on Left/Right: <u>-</u>
Transmitter Attached? If so: Frequency (mHz) <u>N/A</u>				
Time of Capture: <u>23:40</u>	Remarks: <u>Photo: 6895</u> <u>WNS = 0</u>			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>S-4; SR6219-020</u>		Date: <u>9-25-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyz</u>		*Capture Number: <u>A13</u>
Height in meters captured above ground surface: <u>N/A</u> m						
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.3</u>	Ear <u>11.5</u>	Tragus <u>6</u>
Photo Taken <u>Yes</u> / <u>No</u>		Fore-arm <u>33</u>		Hind Foot <u>7</u>		
Time of Capture <u>23:46</u>		Remarks: <u>Photo: 6896</u> <u>WNS = 6</u>				

Site Name Or Number: <u>S-4; SR6219-020</u>		Date: <u>9-25-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyz</u>		*Capture Number: <u>A14</u>
Height in meters captured above ground surface: <u>N/A</u> m						
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.9</u>	Ear <u>10</u>	Tragus <u>5</u>
Photo Taken <u>Yes</u> / <u>No</u>		Fore-arm <u>34</u>		Hind Foot <u>8</u>		
Time of Capture <u>23:46</u>		Remarks: <u>Photo: 6897-6898</u> <u>WNS = 6</u>				

Site Name Or Number: <u>S-4; SR6219-020</u>		Date: <u>9-26-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyz</u>		*Capture Number: <u>A15</u>
Height in meters captured above ground surface: <u>N/A</u> m						
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.9</u>	Ear <u>10</u>	Tragus <u>5</u>
Photo Taken <u>Yes</u> / <u>No</u>		Fore-arm <u>34</u>		Hind Foot <u>8</u>		
Time of Capture <u>23:46</u>		Remarks: <u>Photo: 6897-6898</u> <u>WNS = 6</u>				

Site Name Or Number: <u>S-4; SR6219-020</u>		Date: <u>9-26-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyz</u>		*Capture Number: <u>A15</u>
Height in meters captured above ground surface: <u>N/A</u> m						
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.3</u>	Ear <u>11.5</u>	Tragus <u>6</u>
Photo Taken <u>Yes</u> / <u>No</u>		Fore-arm <u>31.5</u>		Hind Foot <u>7</u>		
Time of Capture <u>20:15</u>		Remarks: <u>6899 - 6904</u> <u>WNS = 6</u>				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>Site 4, SR629-020</u>		Date: <u>9-26-12</u>		Set No. <u>1</u>		Captured In:		Name of Person Identifying the Bat: <u>J. ZeYZus</u>		*Capture Number: <u>A16</u>	
Height in meters captured above ground surface: _____ m		Body Measurements (grams and millimeters)		Fore- arm <u>34</u>		Hind Foot <u>6.5</u>		Recapture Yes/No <u>N</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.5</u>	Ear <u>10</u>	Tragus <u>5</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>	Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (mHz) <u>—</u>
Time of Capture <u>20:15</u>		Photo Taken <u>Yes</u> / No		Remarks: <u>6906-6908 = photos</u> <u>WNS = 8</u>							

Site Name Or Number: <u>Site 4, SR629-020</u>		Date: <u>9-26-12</u>		Set No. <u>1</u>		Captured In:		Name of Person Identifying the Bat: <u>J. ZeYZus</u>		*Capture Number: <u>A17</u>	
Height in meters captured above ground surface: _____ m		Body Measurements (grams and millimeters)		Fore- arm <u>34</u>		Hind Foot <u>6</u>		Recapture Yes/No <u>N</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.4</u>	Ear <u>11</u>	Tragus <u>5.5</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>	Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (mHz) <u>—</u>
Time of Capture <u>20:15</u>		Photo Taken <u>Yes</u> / No		Remarks: <u>6909-6910 = photos</u> <u>WNS = 8</u>							

Site Name Or Number: <u>Site 4, SR629-020</u>		Date: <u>9-26-12</u>		Set No. <u>1</u>		Captured In:		Name of Person Identifying the Bat: <u>J. ZeYZus</u>		*Capture Number: <u>A18</u>	
Height in meters captured above ground surface: _____ m		Body Measurements (grams and millimeters)		Fore- arm <u>34</u>		Hind Foot <u>7</u>		Recapture Yes/No <u>N</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.7</u>	Ear <u>10</u>	Tragus <u>5</u>	Band Material <u>—</u>	Band Color <u>—</u>	Band Inscription <u>—</u>	Band on Left/Right <u>—</u>	Transmitter Attached? If so: Frequency (mHz) <u>—</u>
Time of Capture <u>20:45</u>		Photo Taken <u>Yes</u> / No		Remarks: <u>photos</u> <u>6911-6913</u> <u>WNS = 8</u>							

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4; SR629-020		Date: 9-26-12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeyzys	*Capture Number: 119
Height in meters captured above ground surface: _____					
Species PESU	Sex M	Age A	Repro. Condition NR	Wt. (g) 6.0	Ear 11
Body Measurements (grams and millimeters)			Fore-arm 33	Tragus 5	Hind Foot 7
Time of Capture 20:45			Remarks: 6914-6916 = photos WNS = 0		
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, P = post-lactating, SCR = scrotal epididymis swollen					
Site Name Or Number: S-4; SR629-020		Date: 9-26-12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeyzys	*Capture Number: 170
Height in meters captured above ground surface: _____					
Species PESU	Sex F	Age A	Repro. Condition NR	Wt. (g) 7.2	Ear 11
Body Measurements (grams and millimeters)			Fore-arm 33	Tragus 5	Hind Foot 7
Time of Capture 20:45			Remarks: 6917-6918 = photos WNS = 0		
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, P = post-lactating, SCR = scrotal epididymis swollen					
Site Name Or Number: S-4; SR629-020		Date: 9-26-12	Set No. Captured In: 1	Name of Person Identifying the Bat: J. Zeyzys	*Capture Number: 171
Height in meters captured above ground surface: _____					
Species PESU	Sex F	Age A	Repro. Condition NR	Wt. (g) 7.3	Ear 11
Body Measurements (grams and millimeters)			Fore-arm 34	Tragus 5.5	Hind Foot 7.5
Time of Capture 20:45			Remarks: 6919-6920 = photos WNS = 0		
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, P = post-lactating, SCR = scrotal epididymis swollen					

(photo correction:
6919-6921 (3/11/2012))

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: <u>Site # 4-SR629-020</u>	Date: <u>9-26-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyzys</u>	*Capture Number: <u>A22</u>
Height in meters captured above ground surface: <u>—</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>SCR</u>	Wt. (g): <u>6.7</u>
	Ear: <u>10</u>	Tragus: <u>4</u>	Fore-arm: <u>34</u>	Hind Foot: <u>7</u>
Time of Capture: <u>20:45</u>	Photo Taken: <u>(Yes) / No</u>	Remarks: <u>6921-6923 = photos</u> <u>WNS = 0</u>		
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: <u>N</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Transmitter Attached? If so: Frequency (MHz): <u>—</u>				

Site Name Or Number: <u>Site # 4-SR629-020</u>	Date: <u>9-26-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyzys</u>	*Capture Number: <u>A23</u>
Height in meters captured above ground surface: <u>—</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>7.5</u>
	Ear: <u>10.5</u>	Tragus: <u>5</u>	Fore-arm: <u>34</u>	Hind Foot: <u>8</u>
Time of Capture: <u>20:45</u>	Photo Taken: <u>(Yes) / No</u>	Remarks: <u>6924-6925 = photos</u> <u>WNS = 0</u>		
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: <u>N</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Transmitter Attached? If so: Frequency (MHz): <u>—</u>				

Site Name Or Number: <u>Site # 4-SR629-020</u>	Date: <u>9-26-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyzys</u>	*Capture Number: <u>A24</u>
Height in meters captured above ground surface: <u>—</u> m				
Species: <u>MYSE</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>8.4</u>
	Ear: <u>17</u>	Tragus: <u>10</u>	Fore-arm: <u>35</u>	Hind Foot: <u>8</u>
Time of Capture: <u>21:40</u>	Photo Taken: <u>(Yes) / No</u>	Remarks: <u>6926-6927 = photos</u> <u>WNS = 0</u>		
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: <u>N</u>	Band Material: <u>metal</u>	Band Color: <u>Silver</u>	Band Inscription: <u>55912</u>	Band on Left/Right: <u>R</u>
Transmitter Attached? If so: Frequency (MHz): <u>—</u>				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>Site # 4, SR629-020</u>	Date: <u>9-26-12</u>	Set No. <u>1</u>	Captured In:		Name of Person Identifying the Bat: <u>J. Zeyzus</u>	*Capture Number: <u>1725</u>
Height in meters captured above ground surface:						
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.3</u>	Ear <u>11</u>	Tragus <u>5</u>
				Fore-arm <u>33</u>	Hind Foot <u>7</u>	
Time of Capture <u>21:40</u>	Photo Taken <u>Yes</u> / No	Remarks: <u>6928=photo</u> <u>WNS = Ø</u>				
Body Measurements (grams and millimeters)						
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)						
Recapture Yes/No <u>N</u> Band Material <u>—</u> Band Color <u>—</u> Band Inscription <u>—</u> Band on Left/Right <u>—</u>						
Transmitter Attached? If so: Frequency (MHz) <u>—</u>						
Reproductive Condition: <u>NR</u> non-reproductive, <u>PG</u> pregnant, <u>L</u> lactating, <u>SC</u> serotally endogenous swollen						
Site Name Or Number: <u>Site # 4, SR629-020</u>	Date: <u>9-26-12</u>	Set No. <u>1</u>	Captured In:		Name of Person Identifying the Bat: <u>J. Zeyzus</u>	*Capture Number: <u>1726</u>
Height in meters captured above ground surface:						
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.0</u>	Ear <u>11.5</u>	Tragus <u>5</u>
				Fore-arm <u>32.5</u>	Hind Foot <u>7</u>	
Time of Capture <u>21:40</u>	Photo Taken <u>Yes</u> / No	Remarks: <u>6929=photo</u> <u>WNS = Ø</u>				
Body Measurements (grams and millimeters)						
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)						
Recapture Yes/No <u>N</u> Band Material <u>—</u> Band Color <u>—</u> Band Inscription <u>—</u> Band on Left/Right <u>—</u>						
Transmitter Attached? If so: Frequency (MHz) <u>—</u>						
Reproductive Condition: <u>NR</u> non-reproductive, <u>PG</u> pregnant, <u>L</u> lactating, <u>SC</u> serotally endogenous swollen						
Site Name Or Number: <u>Site # 4, SR629-020</u>	Date: <u>9-26-12</u>	Set No. <u>1</u>	Captured In:		Name of Person Identifying the Bat: <u>J. Zeyzus</u>	*Capture Number: <u>1727</u>
Height in meters captured above ground surface:						
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.3</u>	Ear <u>12</u>	Tragus <u>4.5</u>
				Fore-arm <u>33.5</u>	Hind Foot <u>7</u>	
Time of Capture <u>21:40</u>	Photo Taken <u>Yes</u> / No	Remarks: <u>6930-6932=photos</u> <u>WNS = Ø</u>				
Body Measurements (grams and millimeters)						
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)						
Recapture Yes/No <u>N</u> Band Material <u>—</u> Band Color <u>—</u> Band Inscription <u>—</u> Band on Left/Right <u>—</u>						
Transmitter Attached? If so: Frequency (MHz) <u>—</u>						
Reproductive Condition: <u>NR</u> non-reproductive, <u>PG</u> pregnant, <u>L</u> lactating, <u>SC</u> serotally endogenous swollen						

*Capture Number = number in sequence by site.

* 1 Escapee - PESU

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>Site # 4, SR6219-020</u>	Date: <u>9-26-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zey 2-05</u>	*Capture Number: <u>A28</u>
Height in meters captured above ground surface: <u>—</u>				
Species: <u>PESU</u>	Repro. Condition: <u>SCR</u>	Age: <u>A</u>	Sex: <u>M</u>	Transmitter Attached? If so: Frequency (mHz) <u>—</u>
Wt. (g): <u>7.4</u>	Ear: <u>9.5</u>	Tragus: <u>5</u>	Fore-arm: <u>33</u>	
Hind Foot: <u>7</u>				
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)				
Recapture Yes/No: <u>N</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Remarks: <u>6933 - 6935 = photos</u> <u>WNS = ∅</u>				
Time of Capture: <u>21:40</u>	Photo Taken: <u>(Yes) / No</u>			
<hr/>				
Site Name Or Number: <u>Site # 4, SR6219-020</u>	Date: <u>9-26-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zey 2-05</u>	*Capture Number: <u>A29</u>
Height in meters captured above ground surface: <u>—</u>				
Species: <u>PESU</u>	Repro. Condition: <u>SCR</u>	Age: <u>A</u>	Sex: <u>M</u>	Transmitter Attached? If so: Frequency (mHz) <u>—</u>
Wt. (g): <u>7.7</u>	Ear: <u>10</u>	Tragus: <u>6</u>	Fore-arm: <u>33</u>	
Hind Foot: <u>7</u>				
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)				
Recapture Yes/No: <u>N</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Remarks: <u>6936 - 6937 = photos</u> <u>WNS = ∅</u>				
Time of Capture: <u>21:40</u>	Photo Taken: <u>(Yes) / No</u>			
<hr/>				
Site Name Or Number: <u>Site # 4, SR6219-020</u>	Date: <u>9-26-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zey 2-05</u>	*Capture Number: <u>A30</u>
Height in meters captured above ground surface: <u>—</u>				
Species: <u>PESU</u>	Repro. Condition: <u>NR</u>	Age: <u>A</u>	Sex: <u>M</u>	Transmitter Attached? If so: Frequency (mHz) <u>—</u>
Wt. (g): <u>6.9</u>	Ear: <u>11</u>	Tragus: <u>6</u>	Fore-arm: <u>33.5</u>	
Hind Foot: <u>8</u>				
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)				
Recapture Yes/No: <u>N</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Remarks: <u>6938 = photo</u> <u>WNS = ∅</u>				
Time of Capture: <u>21:40</u>	Photo Taken: <u>(Yes) / No</u>			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>Site #4, 020</u>		Date: <u>9-26-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyzys</u>		*Capture Number: <u>A31</u>
Height in meters captured above ground surface: <u>—</u> m						
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>8.7</u>	Ear <u>10</u>	Tragus <u>5.5</u>
				Fore-arm <u>34</u>	Hind Foot <u>8</u>	
Time of Capture <u>21:40</u>		Remarks: <u>6939-6940=photo</u> <u>WNS = Ø</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u>—</u> Band Color <u>—</u> Band Inscription <u>—</u> Band on Left/Right <u>—</u>		
Transmitter Attached? If so: Frequency (MHz) <u>—</u>						
<p>Repro. Condition: NR = non-reproductive; PG = pregnant; L = lactating; PL = post-lactating; SCR = scrotal epididymis swollen</p>						
Site Name Or Number: <u>Site #4, 020</u>		Date: <u>9-26-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyzys</u>		*Capture Number: <u>A32</u>
Height in meters captured above ground surface: <u>—</u> m						
Species <u>MYSE</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>8.6</u>	Ear <u>16.5</u>	Tragus <u>11</u>
				Fore-arm <u>41</u>	Hind Foot <u>8.5</u>	
Time of Capture <u>21:40</u>		Remarks: <u>6941-6942=photo</u> <u>WNS = Ø</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u>Metal</u> Band Color <u>Silver</u> Band Inscription <u>PAGE 55913</u> Band on Left/Right <u>R</u>		
Transmitter Attached? If so: Frequency (MHz) <u>—</u>						
<p>Repro. Condition: NR = non-reproductive; PG = pregnant; L = lactating; PL = post-lactating; SCR = scrotal epididymis swollen</p>						
Site Name Or Number: <u>Site #4, 020</u>		Date: <u>9-26-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyzys</u>		*Capture Number: <u>A33</u>
Height in meters captured above ground surface: <u>—</u> m						
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.3</u>	Ear <u>12</u>	Tragus <u>6</u>
				Fore-arm <u>33</u>	Hind Foot <u>7.5</u>	
Time of Capture <u>22:40</u>		Remarks: <u>6943-6944=photo</u> <u>WNS = Ø</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u>—</u> Band Color <u>—</u> Band Inscription <u>—</u> Band on Left/Right <u>—</u>		
Transmitter Attached? If so: Frequency (MHz) <u>—</u>						
<p>Repro. Condition: NR = non-reproductive; PG = pregnant; L = lactating; PL = post-lactating; SCR = scrotal epididymis swollen</p>						

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>Site 4, SR6219-020</u>	Date: <u>9-26-12</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyzys</u>		*Capture Number: <u>A34</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>MYSE</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.7</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
					Recapture Yes/No <u>N</u>
					Band Material <u>Metal</u>
					Band Color <u>Silver</u>
					Band Inscription <u>PA 66914</u>
					Band on Left/Right <u>L</u>
Time of Capture <u>22:40</u>	Photo Taken <u>(Yes)</u> No	Remarks: <u>6945-6947=photos WNS = ∅</u> <u>(Photo correction: 6946-6948 6/21/12)</u>			

Site Name Or Number: <u>Site 4, SR6219-020</u>	Date: <u>9-26-12</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyzys</u>		*Capture Number: <u>A35</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>6.5</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
					Recapture Yes/No <u>N</u>
					Band Material <u>—</u>
					Band Color <u>—</u>
					Band Inscription <u>—</u>
					Band on Left/Right <u>—</u>
Time of Capture <u>22:40</u>	Photo Taken <u>(Yes)</u> No	Remarks: <u>6948-6949=photos WNS = ∅</u> <u>(Photo correction: 6949-6950 6/21/12)</u>			

Site Name Or Number: <u>Site 4, SR6219-020</u>	Date: <u>9-26-12</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyzys</u>		*Capture Number: <u>A36</u>
Height in meters captured above ground surface: <u>—</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.1</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
					Recapture Yes/No <u>—</u>
					Band Material <u>—</u>
					Band Color <u>—</u>
					Band Inscription <u>—</u>
					Band on Left/Right <u>—</u>
Time of Capture <u>22:40</u>	Photo Taken <u>(Yes)</u> No	Remarks: <u>6950-6951=photos WNS = ∅</u> <u>(Photo correction: 6951-6952 6/21/12)</u>			

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>Site 4, SR6219-020</u>		Date: <u>9-26-12</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>J. Zey 205</u>		*Capture Number: <u>A37</u>
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species <u>PESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>6.7</u>	Ear (mm) <u>10</u>	Tragus (mm) <u>5</u>
				Fore- arm (mm) <u>35</u>	Hind Foot (mm) <u>8</u>	
Time of Capture <u>22:40</u>		Photo Taken <u>Yes</u> / <u>No</u>		Remarks: <u>6952-6953=photos</u> <u>WNS = ∅</u> (Photo correction: 6953-6954 11/26/12)		
Repro. Condition NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal epididymus swollen						
Site Name Or Number: <u>Site 4, SR6219-020</u>		Date: <u>9-26-12</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>J. Zey 205</u>		*Capture Number: <u>A38</u>
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species <u>MYSE</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>PL</u>	Wt. (g) <u>7.5</u>	Ear (mm) <u>15</u>	Tragus (mm) <u>11</u>
				Fore- arm (mm) <u>36</u>	Hind Foot (mm) <u>7.5</u>	
Time of Capture <u>22:40</u>		Photo Taken <u>Yes</u> / <u>No</u>		Remarks: <u>6954-6956=photos</u> <u>WNS = ∅</u> (Photo correction: 6955-6957 11/26/12)		
Repro. Condition NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal epididymus swollen						
Site Name Or Number: <u>Site 4, SR6219-020</u>		Date: <u>9-26-12</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>J. Zey 205</u>		*Capture Number: <u>A39</u>
Height in meters captured above ground surface: <u>—</u> m		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)		
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.8</u>	Ear (mm) <u>10</u>	Tragus (mm) <u>5.5</u>
				Fore- arm (mm) <u>34</u>	Hind Foot (mm) <u>8</u>	
Time of Capture <u>22:40</u>		Photo Taken <u>Yes</u> / <u>No</u>		Remarks: <u>6957-6958=photos</u> <u>WNS = 1</u> (Photo correction: 6958-6959 11/26/12)		
Repro. Condition NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal epididymus swollen						

*Capture Number = number in sequence by site.

20% of left wing discarded
1 Pin Hole
11/16/12 may not be due to WNS.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: <u>S-4, SK629-020</u>	Date: <u>9-26-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyz</u>	*Capture Number: <u>AYO</u>
Height in meters captured above ground surface: <u>—</u> m				
Species: <u>PESU</u>	Wt. (g): <u>7.2</u>	Fore-arm (mm): <u>33.5</u>	Tragus (mm): <u>4</u>	Ear (mm): <u>9</u>
Repro. Condition: <u>SCR</u>	Age: <u>A</u>	Sex: <u>M</u>		
Photo Taken: <u>(Yes) / No</u>				
Time of Capture: <u>22:40</u>	Remarks: <u>6959-6960=photos</u>			

Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: <u>—</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Transmitter Attached? If so: Frequency (mHz): <u>—</u>				

WNS = Ø (photo correction: 6960-6961 9/26/12)

Site Name Or Number: <u>Site 4, SK629-020</u>	Date: <u>9-26-12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyz</u>	*Capture Number: <u>AY1</u>
Height in meters captured above ground surface: <u>—</u> m				
Species: <u>WYSE</u>	Wt. (g): <u>8.1</u>	Fore-arm (mm): <u>36</u>	Tragus (mm): <u>10</u>	Ear (mm): <u>15</u>
Repro. Condition: <u>PL</u>	Age: <u>A</u>	Sex: <u>F</u>		
Photo Taken: <u>(Yes) / No</u>				
Time of Capture: <u>22:40</u>	Remarks: <u>6961-6962=photos</u>			

Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: <u>N</u>	Band Material: <u>Metal</u>	Band Color: <u>Silver</u>	Band Inscription: <u>PAGE 559/6</u>	Band on Left/Right: <u>L</u>
Transmitter Attached? If so: Frequency (mHz): <u>—</u>				

WNS = Ø (photo correction: 6962-6963 9/26/12)

Site Name Or Number: <u>Site #4, SK629-020</u>	Date: <u>9/26/12</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyz</u>	*Capture Number: <u>AY2</u>
Height in meters captured above ground surface: <u>—</u> m				
Species: <u>PESU</u>	Wt. (g): <u>7.2</u>	Fore-arm (mm): <u>34</u>	Tragus (mm): <u>5.5</u>	Ear (mm): <u>12</u>
Repro. Condition: <u>SCR</u>	Age: <u>A</u>	Sex: <u>N</u>		
Photo Taken: <u>(Yes) / No</u>				
Time of Capture: <u>23:05</u>	Remarks: <u>6963-6964=photos</u>			

Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: <u>—</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Transmitter Attached? If so: Frequency (mHz): <u>—</u>				

WNS = Ø (photo correction: 6964-6965 9/26/12)

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>Site #4, SK6219-020</u>	Date: <u>9/26/12</u>	Set No.:	Captured In:	Name of Person Identifying the Bat: <u>J. Zeyzus</u>	*Capture Number: <u>443</u>
Height in meters captured above ground surface:					
Species: <u>VEJU</u>	Sex: <u>♀</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (MHz)
Wt. (g): <u>8.0</u>	Ear: <u>10</u>	Tragus: <u>5</u>	Fore-arm: <u>33.5</u>	Recapture Yes/No	Band Material
Time of Capture: <u>2345</u>	Photo Taken: <u>Yes</u>	No	Remarks: <u>6965-6967 = photos</u>	Band Color	Band Inscription
Time of Capture: <u>2345</u>	Photo Taken: <u>Yes</u>	No	Remarks: <u>6965-6967 = photos</u>	Band Color	Band Inscription
Species: <u>VEJU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (MHz)
Wt. (g): <u>7.6</u>	Ear: <u>11</u>	Tragus: <u>6</u>	Fore-arm: <u>34</u>	Recapture Yes/No	Band Material
Time of Capture: <u>2345</u>	Photo Taken: <u>Yes</u>	No	Remarks: <u>6968 = photo</u>	Band Color	Band Inscription
Time of Capture: <u>2345</u>	Photo Taken: <u>Yes</u>	No	Remarks: <u>6968 = photo</u>	Band Color	Band Inscription
Species: <u>VEJU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (MHz)
Wt. (g): <u>8.2</u>	Ear: <u>11</u>	Tragus: <u>6</u>	Fore-arm: <u>33.5</u>	Recapture Yes/No	Band Material
Time of Capture: <u>2345</u>	Photo Taken: <u>Yes</u>	No	Remarks: <u>6969-6970 = photos</u>	Band Color	Band Inscription
Time of Capture: <u>2345</u>	Photo Taken: <u>Yes</u>	No	Remarks: <u>6969-6970 = photos</u>	Band Color	Band Inscription

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>Site #4, SR6219-020</u>		Date: <u>9/26/12</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>J. Zaryus</u>	*Capture Number: <u>A446</u>
Height in meters captured above ground surface:					
Species <u>RESU</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>QC</u>	Wt. (g) <u>9.8</u>	Body Measurements (grams and millimeters)
				Fore- arm <u>38.5</u>	
				Tragus <u>6</u>	
				Ear <u>11.5</u>	
				Hind Foot <u>9</u>	
Time of Capture <u>2345</u>		Photo Taken <u>Yes</u> / <u>No</u>		Remarks: <u>6971-6972 = photos</u>	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)
Name of Person Identifying the Bat: <u>J. Zaryus</u>					
*Capture Number: <u>A447</u>					
Height in meters captured above ground surface:					
Species <u>RESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.7</u>	Body Measurements (grams and millimeters)
				Fore- arm <u>33</u>	
				Tragus <u>7</u>	
				Ear <u>11.5</u>	
				Hind Foot <u>8</u>	
Time of Capture <u>2345</u>		Photo Taken <u>Yes</u> / <u>No</u>		Remarks: <u>6973-6975 = photos</u>	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)
Name of Person Identifying the Bat: <u>J. Zaryus</u>					
*Capture Number: <u>A448</u>					
Height in meters captured above ground surface:					
Species <u>RESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>6.3</u>	Body Measurements (grams and millimeters)
				Fore- arm <u>34.5</u>	
				Tragus <u>5.5</u>	
				Ear <u>12</u>	
				Hind Foot <u>7.5</u>	
Time of Capture <u>2345</u>		Photo Taken <u>Yes</u> / <u>No</u>		Remarks: <u>6976-6977 = photos</u>	
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)
Name of Person Identifying the Bat: <u>J. Zaryus</u>					
*Capture Number: <u>A448</u>					

*Capture Number = number in sequence by site.

one photo on left wing

WNS = 0

(Photo correction: 6977-6978 9/26/12)

some spots on left wing (8)

WNS = 0 (Photo correction: 6974-6976 9/26/12)

WNS = 0 (Photo correction: 6972-6973 9/26/12)

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>S-14, SR029-020</u>		Date: <u>9/26/12</u>	Set No. <u>1</u>	Name of Person Identifying the Bat: <u>J. Zeyans</u>		*Capture Number: <u>949</u>	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species <u>PSU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.0</u>	Ear <u>11</u>	Tragus <u>5.5</u>	Fore-arm <u>35.5</u>
Time of Capture <u>2345</u>		Photo Taken <u>Yes</u> / <u>No</u>		Remarks: <u>6978-6980=photos</u> <u>WNS=0</u> <u>(Photo correction: 6979-6981 9/26/12)</u>			
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal epithelium swollen							
Site Name Or Number:		Date:	Set No.	Name of Person Identifying the Bat:		*Capture Number:	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species <u>PSU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.0</u>	Ear <u>11</u>	Tragus <u>5.5</u>	Fore-arm <u>35.5</u>
Time of Capture		Photo Taken		Remarks:			
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal epithelium swollen							
Site Name Or Number:		Date:	Set No.	Name of Person Identifying the Bat:		*Capture Number:	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm
Time of Capture		Photo Taken		Remarks:			
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal epithelium swollen							
Site Name Or Number:		Date:	Set No.	Name of Person Identifying the Bat:		*Capture Number:	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm
Time of Capture		Photo Taken		Remarks:			
Repro. Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal epithelium swollen							

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SRG219, Sec 020</u> <u>S-4</u>	Date: <u>9-28-2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>	*Capture Number: <u>B1</u>
Height in meters captured above ground surface: <u>tharp trap</u> m	Body Measurements (grams and millimeters)	Reproductive Condition	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (MHz)
Species <u>Myotis</u> <u>septentrionalis</u>	Wt. (g) <u>8.5</u> Ear <u>15</u> Tragus <u>5</u> Fore-arm <u>34</u> Hind Foot <u>7</u>	Repro. Condition <u>NR</u>	Recapture Yes/No <u>No</u> Band Material <u>Metal</u> Band Color <u>Silver</u> Band Inscription <u>55917 PAGC</u> Band on Left/Right <u>Right</u>	Frequency <u>—</u>
Time of Capture <u>2000</u>	Photo Taken <u>Yes</u> / No	Remarks: <u>1577-1579</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: <u>S-4</u>	Date: <u>9-28-2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat:	*Capture Number: <u>B2</u>
Height in meters captured above ground surface: <u>—</u> m	Body Measurements (grams and millimeters)	Reproductive Condition	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (MHz)
Species <u>Perimyotis</u> <u>subulvus</u>	Wt. (g) <u>7</u> Ear <u>7</u> Tragus <u>4</u> Fore-arm <u>34</u> Hind Foot <u>7</u>	Repro. Condition <u>NR</u>	Recapture Yes/No <u>N</u> Band Material <u>—</u> Band Color <u>—</u> Band Inscription <u>—</u> Band on Left/Right <u>—</u>	Frequency <u>—</u>
Time of Capture <u>2000</u>	Photo Taken <u>Yes</u> / No	Remarks: <u>1580-1582</u>		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: <u>S-4</u>	Date: <u>9-28-2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat:	*Capture Number: <u>B3</u>
Height in meters captured above ground surface: <u>—</u> m	Body Measurements (grams and millimeters)	Reproductive Condition	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Transmitter Attached? If so: Frequency (MHz)
Species <u>Myotis</u> <u>lucifugus</u>	Wt. (g) <u>9.5</u> Ear <u>7</u> Tragus <u>5</u> Fore-arm <u>35</u> Hind Foot <u>7</u>	Repro. Condition <u>NR</u>	Recapture Yes/No <u>No</u> Band Material <u>Metal</u> Band Color <u>Silver</u> Band Inscription <u>PAGC 55918</u> Band on Left/Right <u>Right</u>	Frequency <u>—</u>
Time of Capture <u>2000</u>	Photo Taken <u>Yes</u> / No	Remarks: <u>1583-1596</u>		

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>5-4</u>	Date: <u>9-28-2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>	*Capture Number: <u>B4</u>
Height in meters captured above ground surface:				
Species <u>Myotis</u> <u>subflavus</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>85</u>	Ear <u>8</u>	Tragus <u>6</u>
Sex <u>F</u>	Age <u>Ad</u>	Fore-arm <u>35</u>	Hind Foot <u>9</u>	
Photo Taken <u>(Yes)</u> / No	Remarks: <u>1587-1590</u>			
Time of Capture <u>2010</u>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>9-28-2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>	*Capture Number: <u>B5</u>
Height in meters captured above ground surface:				
Species <u>Myotis</u> <u>subflavus</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7</u>	Ear <u>10</u>	Tragus <u>5</u>
Sex <u>F</u>	Age <u>Ad</u>	Fore-arm <u>34</u>	Hind Foot <u>9</u>	
Photo Taken <u>(Yes)</u> / No	Remarks: <u>Not Banded</u>			
Time of Capture <u>2045</u>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>9-28-2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>	*Capture Number: <u>B6</u>
Height in meters captured above ground surface:				
Species <u>Myotis</u> <u>subflavus</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>75</u>	Ear <u>11</u>	Tragus <u>5</u>
Sex <u>M</u>	Age <u>Ad</u>	Fore-arm <u>33</u>	Hind Foot <u>9</u>	
Photo Taken <u>(Yes)</u> / No	Remarks: <u>Not Banded</u>			
Time of Capture <u>2045</u>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>S-4</u>	Date: <u>9-28-2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>Jack Basler</u>	*Capture Number: <u>B7</u>
Height in meters captured above ground surface: <u>PEW</u>	Repro. Condition: <u>NR</u>	Age: <u>Ad</u>	Sex: <u>M</u>	Transmitter Attached? If so: Frequency <u>(mHz)</u>
Species <u>PEW</u>	Wt. (g): <u>7.75</u>	Ear: <u>11</u>	Tragus: <u>4</u>	Fore-arm: <u>33</u>
Photo Taken: <u>Yes</u> / No	Repro. Condition: <u>NR</u>	Age: <u>Ad</u>	Sex: <u>M</u>	Transmitter Attached? If so: Frequency <u>(mHz)</u>
Time of Capture: <u>2045</u>	Wt. (g): <u>7.75</u>	Ear: <u>11</u>	Tragus: <u>4</u>	Fore-arm: <u>33</u>
Remarks: <u>Not Banded</u>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotalepididymis swollen				
Site Name Or Number: <u>S-4</u>	Date: <u>9-28-2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>Jack Basler</u>	*Capture Number: <u>B8</u>
Height in meters captured above ground surface: <u>PEW</u>	Repro. Condition: <u>NR</u>	Age: <u>Ad</u>	Sex: <u>M</u>	Transmitter Attached? If so: Frequency <u>(mHz)</u>
Species <u>PEW</u>	Wt. (g): <u>6.5</u>	Ear: <u>10</u>	Tragus: <u>4</u>	Fore-arm: <u>33</u>
Photo Taken: <u>Yes</u> / No	Repro. Condition: <u>NR</u>	Age: <u>Ad</u>	Sex: <u>M</u>	Transmitter Attached? If so: Frequency <u>(mHz)</u>
Time of Capture: <u>2045</u>	Wt. (g): <u>6.5</u>	Ear: <u>10</u>	Tragus: <u>4</u>	Fore-arm: <u>33</u>
Remarks: <u>Not Banded</u>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotalepididymis swollen				
Site Name Or Number: <u>S-4</u>	Date: <u>9-28-2012</u>	Set No. Captured In: <u>1</u>	Name of Person Identifying the Bat: <u>Jack Basler</u>	*Capture Number: <u>B8</u>
Height in meters captured above ground surface: <u>PEW</u>	Repro. Condition: <u>NR</u>	Age: <u>Ad</u>	Sex: <u>M</u>	Transmitter Attached? If so: Frequency <u>(mHz)</u>
Species <u>PEW</u>	Wt. (g): <u>6.5</u>	Ear: <u>10</u>	Tragus: <u>4</u>	Fore-arm: <u>33</u>
Photo Taken: <u>Yes</u> / No	Repro. Condition: <u>NR</u>	Age: <u>Ad</u>	Sex: <u>M</u>	Transmitter Attached? If so: Frequency <u>(mHz)</u>
Time of Capture: <u>2045</u>	Wt. (g): <u>6.5</u>	Ear: <u>10</u>	Tragus: <u>4</u>	Fore-arm: <u>33</u>
Remarks: <u>Not Banded</u>				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotalepididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>SR6219, S-4</u>	Date: <u>Oct. 1, 2012</u>	Set No. <u>—</u>	Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>	*Capture Number: <u>B9</u>
Height in meters captured above ground surface: <u>—</u>	Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>7.25</u>
		Ear: <u>12</u>	Tragus: <u>4</u>	Fore-arm: <u>34</u>	Hind Foot: <u>7</u>
Time of Capture: <u>1957</u>	Photo Taken: <u>(Yes) No</u>	Remarks: <u>Profile Pic # 101-1606</u> <u>wing Pic # 101-1607, 101-1608</u>			
WS: O					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>S-4</u>	Date: <u>Oct 1, 2012</u>	Set No. <u>—</u>	Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>	*Capture Number: <u>B10</u>
Height in meters captured above ground surface: <u>—</u>	Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>6.5</u>
		Ear: <u>12</u>	Tragus: <u>5</u>	Fore-arm: <u>32</u>	Hind Foot: <u>8</u>
Time of Capture: <u>2028</u>	Photo Taken: <u>(Yes) No</u>	Remarks: <u>Profile # 101-1609</u> <u>wing Pic # 101-1610, 101-1611</u>			
WS: O					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: <u>S-4</u>	Date: <u>Oct 1, 2012</u>	Set No. <u>—</u>	Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>	*Capture Number: <u>B11</u>
Height in meters captured above ground surface: <u>—</u>	Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>7.25</u>
		Ear: <u>4</u>	Tragus: <u>11</u>	Fore-arm: <u>34</u>	Hind Foot: <u>7</u>
Time of Capture: <u>2026</u>	Photo Taken: <u>(Yes) No</u>	Remarks: <u>Profile # 101-1612</u> <u>wing # 101-1613, 101-1614</u>			
WS: O					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 1, 2012	Set No. Captured In: —	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B12
Height in meters captured above ground surface: —				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Transmitter Attached? If so: Frequency (mHz)
Time of Capture: 2028	Photo Taken: Yes / No			
Remarks: Profile # 101-1615 Wing # 101-1616, 101-1617 WS: 0				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: S-4	Date: Oct 1, 2012	Set No. Captured In: —	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B13
Height in meters captured above ground surface: —				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Transmitter Attached? If so: Frequency (mHz)
Time of Capture: 2028	Photo Taken: Yes / No			
Remarks: Profile # 101-1618 Wing # 101-1619, 101-1620 WS: 0				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: S-4	Date: Oct 1, 2012	Set No. Captured In: —	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B14
Height in meters captured above ground surface: —				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Transmitter Attached? If so: Frequency (mHz)
Time of Capture: 2028	Photo Taken: Yes / No			
Remarks: Profile # 101-1621 Wing # 101-1622, 101-1623 WS: 0				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>S-4</u>		Date: <u>Oct 1, 2012</u>	Set No. <u>—</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>		*Capture Number: <u>B16</u>
Height in meters captured above ground surface: <u>—</u>						
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Transmitter Frequency (mHz)
<u>MYSL</u>	<u>M</u>	<u>A</u>	<u>NR</u>	<u>8.25</u>	<u>16</u>	<u>—</u>
Photo Taken <u>(Yes) / No</u>				Remarks: <u>WS: O</u>		
Time of Capture	Profile # <u>101-1624</u>					
<u>2041</u>	Wing # <u>101-1625, 101-1626</u>					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotalepididymis swollen						
Site Name Or Number: <u>S-4</u>		Date: <u>Oct 1, 2012</u>	Set No. <u>—</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>		*Capture Number: <u>B17</u>
Height in meters captured above ground surface: <u>—</u>						
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Transmitter Frequency (mHz)
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>NR</u>	<u>7</u>	<u>11</u>	<u>—</u>
Photo Taken <u>(Yes) / No</u>				Remarks: <u>WS: O</u>		
Time of Capture	Profile # <u>101-1628</u>					
<u>2048</u>	Wing # <u>101-1629, 101-1630</u>					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotalepididymis swollen						
Site Name Or Number: <u>S-4</u>		Date: <u>Oct 1, 2012</u>	Set No. <u>—</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>		*Capture Number: <u>B18</u>
Height in meters captured above ground surface: <u>—</u>						
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Transmitter Frequency (mHz)
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>NR</u>	<u>6.25</u>	<u>11</u>	<u>—</u>
Photo Taken <u>(Yes) / No</u>				Remarks: <u>WS: O</u>		
Time of Capture	Profile # <u>101-1631</u>					
<u>2055</u>	Wing # <u>101-1632, 101-1633</u>					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 1, 2012	Set No. Captured In: —	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B19
Height in meters captured above ground surface: —				
Species: MYSE	Sex: M	Age: A	Repro. Condition: NR	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Wt. (g): 8.25	Ear: 14	Tragus: 7	Fore-arm: 34	Recapture Yes/No: NO
Photo Taken: (Yes) / No	Band Material: PA 55921			
Time of Capture: 2055	Band Color: Right			
Remarks: Profile # 101-1635	Wing # 101-1636			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 1, 2012	Set No. Captured In: —	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B20
Height in meters captured above ground surface: —				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Wt. (g): 6.25	Ear: 12	Tragus: 5	Fore-arm: 33	Recapture Yes/No: NO
Photo Taken: (Yes) / No	Band Material: —			
Time of Capture: 2126	Band Color: —			
Remarks: Profile # 101-1638	Wing # 101-1639			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 1, 2012	Set No. Captured In: —	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B21
Height in meters captured above ground surface: —				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Wt. (g): 6.75	Ear: 12	Tragus: 4	Fore-arm: 33	Recapture Yes/No: NO
Photo Taken: (Yes) / No	Band Material: —			
Time of Capture: 2126	Band Color: —			
Remarks: Profile # 101-1641	Wing # 101-1642			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>5-4</u>	Date: <u>Oct 1, 2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>	*Capture Number: <u>622</u>
Height in meters captured above ground surface: <u>—</u>	Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species: <u>PESU</u>	Sex: <u>F</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>7</u>
	Ear: <u>11</u>	Tragus: <u>4</u>	Fore-arm: <u>33</u>	Hind Foot: <u>8</u>
Time of Capture: <u>2135</u>	Photo Taken: <u>(Yes) / No</u>		Remarks: <u>Profile # 101-1644</u> <u>Wing # 101-1645, 101-1646</u>	
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = serototal/epididymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>Oct 1, 2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>	*Capture Number: <u>623</u>
Height in meters captured above ground surface: <u>—</u>	Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>6.5</u>
	Ear: <u>13</u>	Tragus: <u>5</u>	Fore-arm: <u>33</u>	Hind Foot: <u>9</u>
Time of Capture: <u>2149</u>	Photo Taken: <u>(Yes) / No</u>		Remarks: <u>Profile # 101-1647</u> <u>Wing # 101-1648, 101-1649</u>	
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = serototal/epididymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>Oct 1, 2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>	*Capture Number: <u>624</u>
Height in meters captured above ground surface: <u>—</u>	Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Wt. (g): <u>7</u>
	Ear: <u>13</u>	Tragus: <u>5</u>	Fore-arm: <u>33</u>	Hind Foot: <u>7</u>
Time of Capture: <u>2149</u>	Photo Taken: <u>(Yes) / No</u>		Remarks: <u>Profile # 101-1650</u> <u>Wing # 101-1651, 101-1652</u>	
Repro. Condition: <u>NR</u> = nonreproductive, <u>PG</u> = pregnant, <u>L</u> = lactating, <u>PL</u> = post lactating, <u>SCR</u> = serototal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: 5-4	Date: Oct 1, 2012	Set No. Captured In: —	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B25
Height in meters captured above ground surface: — m				
Species: MYSE	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 9.5
	Ear: 16	Tragus: 8	Fore-arm: 36	Hind Foot: 8
Time of Capture: 2149	Remarks: Profile # 101-1653			
	Wing # 101-1654 , 101-1655			
Repro. Condition: NR nonreproductive, PG pregnant, L lactating, PL post lactating, SCR serotalepididymis swollen				
Site Name Or Number: 5-4	Date: Oct 1, 2012	Set No. Captured In: —	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B26
Height in meters captured above ground surface: — m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 7.5
	Ear: 12	Tragus: 4	Fore-arm: 34	Hind Foot: 7
Time of Capture: 2200	Remarks: Profile # 101-1656			
	Wing # 101-1657 , 101-1658			
Repro. Condition: NR nonreproductive, PG pregnant, L lactating, PL post lactating, SCR serotalepididymis swollen				
Site Name Or Number: 5-4	Date: Oct 1, 2012	Set No. Captured In: —	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B27
Height in meters captured above ground surface: — m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 6
	Ear: 12	Tragus: 5	Fore-arm: 22	Hind Foot: 8
Time of Capture: 2227	Remarks: Profile # 101-1659			
	Wing # 101-1660 , 101-1661			
Repro. Condition: NR nonreproductive, PG pregnant, L lactating, PL post lactating, SCR serotalepididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>5-4</u>	Date: <u>Oct 1, 2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>	*Capture Number: <u>628</u>
Height in meters captured above ground surface: <u>—</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Transmitter Attached? If so: Frequency <u>(mHz)</u>
Time of Capture: <u>2259</u>	Photo Taken: <u>(Yes) / No</u>	Remarks: <u>Profile # 101-1662</u> <u>Wing # 101-1663, 101-1664</u>		
Body Measurements (grams and millimeters)				
Wt. (g): <u>6.5</u>	Ear: <u>10</u>	Tragus: <u>4</u>	Fore-arm: <u>34</u>	Hind Foot: <u>9</u>
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)				
Recapture Yes/No: <u>No</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>Oct 1, 2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>	*Capture Number: <u>629</u>
Height in meters captured above ground surface: <u>—</u> m				
Species: <u>MYSE</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Transmitter Attached? If so: Frequency <u>(mHz)</u>
Time of Capture: <u>2259</u>	Photo Taken: <u>(Yes) / No</u>	Remarks: <u>Profile # 101-1665</u> <u>Wing # 101-1666, 101-1667</u>		
Body Measurements (grams and millimeters)				
Wt. (g): <u>8.75</u>	Ear: <u>17</u>	Tragus: <u>10</u>	Fore-arm: <u>37</u>	Hind Foot: <u>7</u>
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)				
Recapture Yes/No: <u>No</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>PAGE 55923</u>	Band on Left/Right: <u>Right</u>
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: <u>5-4</u>	Date: <u>Oct 1, 2012</u>	Set No. Captured In: <u>—</u>	Name of Person Identifying the Bat: <u>Jack Basiger</u>	*Capture Number: <u>630</u>
Height in meters captured above ground surface: <u>—</u> m				
Species: <u>PESU</u>	Sex: <u>M</u>	Age: <u>A</u>	Repro. Condition: <u>NR</u>	Transmitter Attached? If so: Frequency <u>(mHz)</u>
Time of Capture: <u>2259</u>	Photo Taken: <u>(Yes) / No</u>	Remarks: <u>Profile # 101-1668</u> <u>Wing # 101-1669, 101-1670</u>		
Body Measurements (grams and millimeters)				
Wt. (g): <u>7.25</u>	Ear: <u>11</u>	Tragus: <u>3</u>	Fore-arm: <u>33</u>	Hind Foot: <u>8</u>
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)				
Recapture Yes/No: <u>No</u>	Band Material: <u>—</u>	Band Color: <u>—</u>	Band Inscription: <u>—</u>	Band on Left/Right: <u>—</u>
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 1, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basinger	*Capture Number: B30A
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: No	Transmitter Attached? If so: Frequency (mHz)
Time of Capture: 2335	Photo Taken: (Yes) / No	Wt. (g): 7.11	Fore-arm: 33	Tragus: 4	Ear: 11
Remarks: Profile # 101-1671 Wing # 101-1672					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen					
Site Name Or Number:	Date:	Set No.	Captured In:	Name of Person Identifying the Bat:	*Capture Number:
Height in meters captured above ground surface:					
Species:	Sex:	Age:	Repro. Condition: m	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No:	Transmitter Attached? If so: Frequency (mHz)
Time of Capture:	Photo Taken: Yes / No	Wt. (g):	Fore-arm:	Tragus:	Ear:
Remarks:					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen					
Site Name Or Number:	Date:	Set No.	Captured In:	Name of Person Identifying the Bat:	*Capture Number:
Height in meters captured above ground surface:					
Species:	Sex:	Age:	Repro. Condition: m	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No:	Transmitter Attached? If so: Frequency (mHz)
Time of Capture:	Photo Taken: Yes / No	Wt. (g):	Fore-arm:	Tragus:	Ear:
Remarks:					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S4	Date: Oct 2, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B33
Height in meters captured above ground surface:					
Species: PESU	Repro. Condition: NR	Wt. (g): 65	Fore-arm: 34	Hind Foot: 8	Transmitter Attached? If so: Frequency (mHz)
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Age: A	Ear: 10	Tragus: 4	Band Material: No	Band on Left/Right
Time of Capture: 2000	Remarks: Profile - 101 - 1675 Wing - 101 - 1676, 101 - 1677	WS-0			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotal/epididymis swollen					
Site Name Or Number: S4	Date: Oct 2, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B32
Height in meters captured above ground surface:					
Species: PESU	Repro. Condition: NR	Wt. (g): 7.5	Fore-arm: 34	Hind Foot: 7	Transmitter Attached? If so: Frequency (mHz)
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Age: A	Ear: 11	Tragus: 4	Band Material: No	Band on Left/Right
Time of Capture: 2000	Remarks: Profile - 101 - 1678 Wing - 101 - 1679, 101 - 1680	WS-0			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotal/epididymis swollen					
Site Name Or Number: S4	Date: Oct 2, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B33
Height in meters captured above ground surface:					
Species: PESU	Repro. Condition: NR	Wt. (g): 8	Fore-arm: 35	Hind Foot: 9	Transmitter Attached? If so: Frequency (mHz)
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Age: A	Ear: 13	Tragus: 5	Band Material: No	Band on Left/Right
Time of Capture: 2000	Remarks: Profile - 101 - 1681 Wing - 101 - 1682, 101 - 1683	WS-0			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotal/epididymis swollen					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: P4	Date: Oct 2, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B34
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 6.25
	Ear: 12	Tragus: 5	Fore-arm: 33	Hind Foot: 8
Time of Capture: 2016	Photo Taken: <input checked="" type="checkbox"/> Yes	No	Remarks: Profile - 101-1684 Wing - 101-1685, 101-1686	Band Information (if banded) (Band Males on bat's RIGHT fa, Females on bat's LEFT fa.) Recapture Yes/No: No Band Material: No Band Color: No Band Inscription: No
Transmitter Attached? If so: Frequency (mHz)				
WS-O				
Repro Condition: NR=nonreproductive, PG=pregnant, L=lactating, PL=post lactating, SCR=scrotal/epididymis swollen				
Site Name Or Number: P4	Date: Oct 2, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B35
Height in meters captured above ground surface:				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 6.25
	Ear: 11	Tragus: 5	Fore-arm: 33	Hind Foot: 8
Time of Capture: 2051	Photo Taken: <input checked="" type="checkbox"/> Yes	No	Remarks: Profile - 101-1687 Wing - 101-1688, 101-1689	Band Information (if banded) (Band Males on bat's RIGHT fa, Females on bat's LEFT fa.) Recapture Yes/No: No Band Material: No Band Color: No Band Inscription: No
Transmitter Attached? If so: Frequency (mHz)				
WS-O				
Repro Condition: NR=nonreproductive, PG=pregnant, L=lactating, PL=post lactating, SCR=scrotal/epididymis swollen				
Site Name Or Number: P4	Date: Oct 2, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B36
Height in meters captured above ground surface:				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 6.25
	Ear: 11	Tragus: 4	Fore-arm: 32	Hind Foot: 9
Time of Capture: 2051	Photo Taken: <input checked="" type="checkbox"/> Yes	No	Remarks: Profile - 101-1690 Wing - 101-1691, 101-1692	Band Information (if banded) (Band Males on bat's RIGHT fa, Females on bat's LEFT fa.) Recapture Yes/No: No Band Material: No Band Color: No Band Inscription: No
Transmitter Attached? If so: Frequency (mHz)				
WS-O				
Repro Condition: NR=nonreproductive, PG=pregnant, L=lactating, PL=post lactating, SCR=scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: P4	Date: Oct 2, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B37
Height in meters captured above ground surface:				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 8.5
	Photo Taken: (Yes) / No	Fore-arm: 34	Hind Foot: 8	Ear: 10
Time of Capture: 2051	Remarks: Profile - 101 - 1693 Wing - 101 - 1694, 101 - 1695	Body Measurements (grams and millimeters)		
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)				
	Recapture Yes/No: No	Band Material: WS-O	Band Color: WS-O	Band Inscription: WS-O
Transmitter Attached? If so: Frequency (mHz)				
Site Name Or Number: P4	Date: Oct 2, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B38
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 7.25
	Photo Taken: (Yes) / No	Fore-arm: 32	Hind Foot: 8	Ear: 10
Time of Capture: 2051	Remarks: Profile - 101 - 1697 Wing - 101 - 1698, 101 - 1699	Body Measurements (grams and millimeters)		
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)				
	Recapture Yes/No: No	Band Material: WS-O	Band Color: WS-O	Band Inscription: WS-O
Transmitter Attached? If so: Frequency (mHz)				
Site Name Or Number: P4	Date: Oct 2, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B39
Height in meters captured above ground surface:				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 8.5
	Photo Taken: (Yes) / No	Fore-arm: 35	Hind Foot: 8	Ear: 11
Time of Capture: 2051	Remarks: Profile - 101 - 1700 Wing - 101 - 1701, 101 - 1702	Body Measurements (grams and millimeters)		
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)				
	Recapture Yes/No: No	Band Material: WS-O	Band Color: WS-O	Band Inscription: WS-O
Transmitter Attached? If so: Frequency (mHz)				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S4	Date: Oct 2, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B40
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 6.5
	Ear: 12	Tragus: 4	Fore-arm: 32	Hind Foot: 9
Time of Capture: 2051	Photo Taken: (Yes) / No	Remarks: Profile - 101-1703 Wing - 101-1704, 101-1705		
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: No	Band Material: No	Band Color: No	Band Inscription: No	Band on Left/Right: No
Transmitter Attached? If so: Frequency (mHz):				
WS-O				
Site Name Or Number: S4	Date: Oct 2, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B41
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 7.25
	Ear: 12	Tragus: 4	Fore-arm: 33	Hind Foot: 7
Time of Capture: 2051	Photo Taken: (Yes) / No	Remarks: Profile - 101-1706 Wing - 101-1707, 101-1708		
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: No	Band Material: No	Band Color: No	Band Inscription: No	Band on Left/Right: No
Transmitter Attached? If so: Frequency (mHz):				
WS-O				
Site Name Or Number: S4	Date: Oct 2, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B42
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 7.5
	Ear: 11	Tragus: 4	Fore-arm: 33	Hind Foot: 8
Time of Capture: 2051	Photo Taken: (Yes) / No	Remarks: Profile - 101-1709 Wing - 101-1710, 101-1711		
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: No	Band Material: No	Band Color: No	Band Inscription: No	Band on Left/Right: No
Transmitter Attached? If so: Frequency (mHz):				
WS-O				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number:	S4	Date:	Oct 2, 2012	Set No.		Captured In:		Name of Person Identifying the Bat:	Jack Basiger	*Capture Number:	B43													
Height in meters captured above ground surface:																								
Species	PE SU	Sex	M	Age	A	Repro. Condition	NR	Wt. (g)	6.25	Ear	11	Tragus	4	Fore- arm	34	Hind Foot	8	Body Measurements (grams and millimeters)						
																		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)						
																		Recapture Yes/No		Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture	2111	Photo Taken		Yes / No		Remarks:		Profile: 101 - 1712 Wing: 101 - 1713, 101 - 1714 WS - O																
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen																								
Site Name Or Number:	S4	Date:	Oct 2, 2012	Set No.		Captured In:		Name of Person Identifying the Bat:	Jack Basiger	*Capture Number:	B44													
Height in meters captured above ground surface:																								
Species	PE SU	Sex	M	Age	A	Repro. Condition	NR	Wt. (g)	6.5	Ear	11	Tragus	4	Fore- arm	33	Hind Foot	7	Body Measurements (grams and millimeters)						
																		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)						
																		Recapture Yes/No		Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture	2111	Photo Taken		Yes / No		Remarks:		Profile: 101 - 1715 Wing: 101 - 1716, 101 - 1717 WS - O																
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen																								
Site Name Or Number:	S4	Date:	Oct 2, 2012	Set No.		Captured In:		Name of Person Identifying the Bat:	Jack Basiger	*Capture Number:	B45													
Height in meters captured above ground surface:																								
Species	PE SU	Sex	M	Age	A	Repro. Condition	NR	Wt. (g)	7.25	Ear	10	Tragus	4	Fore- arm	33	Hind Foot	7	Body Measurements (grams and millimeters)						
																		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)						
																		Recapture Yes/No		Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture	2111	Photo Taken		Yes / No		Remarks:		Profile: 101 - 1718 Wing: 101 - 1719, 101 - 1720 WS - O																
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen																								

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S4	Date: Oct 2, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B46
Height in meters captured above ground surface: PESU	Species: PESU	Repro. Condition: NR	Wt. (g): 7	Transmitter Attached? If so: Frequency (mHz):
Sex: M	Age: A	Photo Taken: Yes / No	Ear: 11	
Time of Capture: 2145	Remarks: Profile: 101-1721 Wing: 101-1722, 101-1723	Fore-arm: 34	Hind Foot: 9	
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
WS-0				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: S4	Date: Oct 2, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B47
Height in meters captured above ground surface: MYSZ	Species: MYSZ	Repro. Condition: NR	Wt. (g):	Transmitter Attached? If so: Frequency (mHz):
Sex: M	Age: A	Photo Taken: Yes / No	Ear:	
Time of Capture: 2145	Remarks:	Fore-arm:	Hind Foot:	
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
55920				
WS-0				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: S4	Date: Oct 2, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B48
Height in meters captured above ground surface: PESU	Species: PESU	Repro. Condition: NR	Wt. (g): 8	Transmitter Attached? If so: Frequency (mHz):
Sex: M	Age: A	Photo Taken: Yes / No	Ear: 10	
Time of Capture: 2145	Remarks: Profile: 101-1724 Wing: 101-1725, 101-1726	Fore-arm: 34	Hind Foot: 9	
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa. Females on bat's LEFT fa.)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
WS-0				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S4	Date: Oct 2, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B49
Height in meters captured above ground surface:				
Species: MYSE	Wt. (g): 7.5	Fore-arm: 35	Hind Foot: 8	Transmitter Attached? If so: Frequency (MHz)
Repro. Condition: SCR	Ear: 16	Tragus: 9	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Photo Taken: Yes	Repro. Condition: NR	Band: 55924	Band Color: Right	
Time of Capture: 2233	Remarks: Profile: 101-1727 Wing: 101-1728, 101-1729	WS-O		
Repro. Condition: NR - nonreproductive, PG - pregnant, L - lactating, PL - post lactating, SCR - scrotal/epididymis swollen				
Site Name Or Number: S4	Date: Oct 2, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B50
Height in meters captured above ground surface:				
Species: PESU	Wt. (g): 6.5	Fore-arm: 32	Hind Foot: 8	Transmitter Attached? If so: Frequency (MHz)
Repro. Condition: NR	Ear: 10	Tragus: 4	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Photo Taken: Yes	Repro. Condition: NR	Band: 55925	Band Color: Right	
Time of Capture: 2233	Remarks: Profile: 101-1730 Wing: 101-1731, 101-1732	WS-O		
Repro. Condition: NR - nonreproductive, PG - pregnant, L - lactating, PL - post lactating, SCR - scrotal/epididymis swollen				
Site Name Or Number: S4	Date:	Set No. Captured In:	Name of Person Identifying the Bat:	*Capture Number: B51
Height in meters captured above ground surface:				
Species: MYSE	Wt. (g): 7.5	Fore-arm: 34	Hind Foot: 9	Transmitter Attached? If so: Frequency (MHz)
Repro. Condition: NR	Ear: 16	Tragus: 10	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Photo Taken: Yes	Repro. Condition: NR	Band: 55925	Band Color: Right	
Time of Capture: 2233	Remarks: Profile: 101-1734 Wing: 101-1735, 101-1736	WS-O		

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S4		Date: Oct 2, 2012		Set No. Captured In:		Name of Person Identifying the Bat: Jack Basiger		*Capture Number: B52	
Height in meters captured above ground surface:		m							
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Transmitter Attached? If so: Frequency (mHz)
PSU	M	A	NR	6.25	10	3	33	8	
Time of Capture		Photo Taken		Remarks:					
2233		(Yes) / No		Profile 101-1737 Wings 101-1738, 101-1739					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen									
Site Name Or Number: S4		Date: Oct 2, 2012		Set No. Captured In:		Name of Person Identifying the Bat: Jack Basiger		*Capture Number: B53	
Height in meters captured above ground surface:		m							
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Transmitter Attached? If so: Frequency (mHz)
MYSE	M	A	NR	8.25	14	6	34	8	
Time of Capture		Photo Taken		Remarks:					
2233		(Yes) / No		Profile 101-1741 Wings 101-1742, 101-1743					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen									
Site Name Or Number:		Date:		Set No. Captured In:		Name of Person Identifying the Bat:		*Capture Number: B54	
Height in meters captured above ground surface:		m							
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot	Transmitter Attached? If so: Frequency (mHz)
Time of Capture		Photo Taken		Remarks:					
		(Yes) / No							

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B54
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: 0
Wt. (g): 6.79	Ear: 12	Tragus: 5	Fore-arm: 32	Hind Foot: 8
Photo Taken: (Yes) / No	Wing Photo ID: 101-1743, 101-1746			
Time of Capture: 2157	Remarks: Profile 2 101-1744			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B55
Height in meters captured above ground surface:				
Species: NYSE	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score:
Wt. (g):	Ear:	Tragus:	Fore-arm:	Hind Foot:
Photo Taken: Yes / (No)	Wing Photo ID:			
Time of Capture: 2157	Remarks:			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B56
Height in meters captured above ground surface:				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: 0
Wt. (g): 6.5	Ear: 11	Tragus: 4	Fore-arm: 34	Hind Foot: 8
Photo Taken: (Yes) / No	Wing Photo ID: 101-1748, 101-1749			
Time of Capture: 2157	Remarks: Profile 101-1747			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B57
Height in meters captured above ground surface: - m				
Species: MYS	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: 0
Wt. (g): 8	Ear: 16	Tragus: 9	Fore-arm: 35	Hind Foot: 9
Photo Taken: (Yes) / No	Wing Photo ID: 101-1751, 101-1752			
Time of Capture: 2041	Remarks: Profile: 101-1750			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B58
Height in meters captured above ground surface: - m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: 0
Wt. (g): 6.75	Ear: 11	Tragus: 4	Fore-arm: 34	Hind Foot: 9
Photo Taken: (Yes) / No	Wing Photo ID: 101-1755, 101-1756			
Time of Capture: 2105	Remarks: Profile: 101-1754			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B59
Height in meters captured above ground surface: - m				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: 0
Wt. (g): 6.25	Ear: 11	Tragus: 4	Fore-arm: 33	Hind Foot: 8
Photo Taken: (Yes) / No	Wing Photo ID: 101-1758, 101-1759			
Time of Capture: 2105	Remarks: Profile: 101-1757			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B60
Height in meters captured above ground surface: PESU	Repro. Condition: NR	WNS Wing Score: 0	Photo Taken: (Yes) / No	Wing Photo ID: 101-1761, 101-1762
Species: PESU	Sex: F	Age: A	Wt. (g): 8.5	Remarks: Profile: 101-1760
Body Measurements (grams and millimeters)	Fore-arm: 34	Hind Foot: 9	Tragus: 3	Ear: 10
Band Information (if banded)	Recapture Yes/No: No	Band Material: -	Band Color: -	Band Inscription: -
Transmitter Attached? If so: (mHz)	-			

Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B61
Height in meters captured above ground surface: PESU	Repro. Condition: NR	WNS Wing Score: 0	Photo Taken: (Yes) / No	Wing Photo ID: 101-1764, 101-1765
Species: PESU	Sex: M	Age: A	Wt. (g): 6.25	Remarks: Profile: 101-1763
Body Measurements (grams and millimeters)	Fore-arm: 33	Hind Foot: 8	Tragus: 4	Ear: 12
Band Information (if banded)	Recapture Yes/No: No	Band Material: -	Band Color: -	Band Inscription: -
Transmitter Attached? If so: (mHz)	-			

Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B62
Height in meters captured above ground surface: PESU	Repro. Condition: NR	WNS Wing Score: 0	Photo Taken: (Yes) / No	Wing Photo ID: 101-1767, 101-1768
Species: PESU	Sex: F	Age: A	Wt. (g): 6.5	Remarks: Profile: 101-1766
Body Measurements (grams and millimeters)	Fore-arm: 35	Hind Foot: 9	Tragus: 4	Ear: 11
Band Information (if banded)	Recapture Yes/No: No	Band Material: -	Band Color: -	Band Inscription: -
Transmitter Attached? If so: (mHz)	-			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B63
Height in meters captured above ground surface: - m				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 7
	Ear: 12	Tragus: 5	Fore-arm: 33	Hind Foot: 8
Time of Capture: 2200	Photo Taken: (Yes) / No	WNS Wing Score: 0	Wing Photo ID: 101-1770, 101-1771	Remarks: Profile: 101-1769
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen				
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B64
Height in meters captured above ground surface: - m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.75
	Ear: 12	Tragus: 5	Fore-arm: 32	Hind Foot: 9
Time of Capture: 2200	Photo Taken: (Yes) / No	WNS Wing Score: 0	Wing Photo ID: 101-1773, 101-1774	Remarks: Profile: 101-1772
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen				
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B65
Height in meters captured above ground surface: - m				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 7.5
	Ear: 11	Tragus: 4	Fore-arm: 33	Hind Foot: 8
Time of Capture: 2200	Photo Taken: (Yes) / No	WNS Wing Score: 0	Wing Photo ID: 101-1776, 101-1777	Remarks: Profile: 101-1775
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B66
Height in meters captured above ground surface:				
Species: PESU	Sex: M, Age: A	Repro. Condition: SCR	Wt. (g): 7	Transmitter Attached? If so: (mHz)
Photo Taken: (Yes) / No	WNS Wing Score: 0	Wing Photo ID: 101-1779, 101-1780	Remarks: Profile 101-1778	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B67
Height in meters captured above ground surface:				
Species: PESU	Sex: M, Age: A	Repro. Condition: NR	Wt. (g): 7.5	Transmitter Attached? If so: (mHz)
Photo Taken: (Yes) / No	WNS Wing Score: 0	Wing Photo ID: 101-1783, 101-1784	Remarks: Profile 101-1782	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B68
Height in meters captured above ground surface:				
Species: PESU	Sex: M, Age: A	Repro. Condition: NR	Wt. (g): 7	Transmitter Attached? If so: (mHz)
Photo Taken: (Yes) / No	WNS Wing Score: 0	Wing Photo ID: 101-1786, 101-1787	Remarks: Profile 101-1785	

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B69
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: Ad	Repro. Condition: NR	WNS Wing Score: 0
Photo Taken: Yes	Ear: 11	Tragus: 4	Fore-arm: 34	Hind Foot: 7
Wt. (g): 6.5				
Wing Photo ID: 101-1789	Remarks: Profile: 101-1788			
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: No	Band Material:	Band Color:	Band Inscription:	Band on Left/Right:
Transmitter Attached? If so: (mHz)				
16				
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B70
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: 0
Photo Taken: Yes	Ear: 11	Tragus: 5	Fore-arm: 33	Hind Foot: 7
Wt. (g): 7				
Wing Photo ID: 101-1792	Remarks: Profile: 101-1791			
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: No	Band Material:	Band Color:	Band Inscription:	Band on Left/Right:
Transmitter Attached? If so: (mHz)				
17				
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B71
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: 0
Photo Taken: Yes	Ear: 10	Tragus: 4	Fore-arm: 32	Hind Foot: 8
Wt. (g): 7.5				
Wing Photo ID: 101-1795	Remarks: Profile: 101-1794			
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No: No	Band Material:	Band Color:	Band Inscription:	Band on Left/Right:
Transmitter Attached? If so: (mHz)				
18				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 3, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B72
Height in meters captured above ground surface:					
Species: MYSE	Repro. Condition: SCR	Wt. (g): 8.25	Fore-arm: 35	Tragus: 8	Ear: 16
Time of Capture: 2250	Photo Taken: Yes / No	WNS Wing Score: 0	Wing Photo ID: 101-1798, 101-1799		
Remarks: Profile 101-1797					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen					
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B73
Height in meters captured above ground surface:					
Species: PESU	Repro. Condition: NR	Wt. (g): 7	Fore-arm: 32	Tragus: 9	Ear: 6
Time of Capture: 2300	Photo Taken: Yes / No	WNS Wing Score: 0	Wing Photo ID: 101-1801, 101-1802		
Remarks: Profile 101-1800					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen					
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No.	Captured In:	Name of Person Identifying the Bat:	*Capture Number: B74
Height in meters captured above ground surface:					
Species: MYLU	Repro. Condition: NR	Wt. (g): 9.75	Fore-arm: 36	Tragus: 5	Ear: 7
Time of Capture: 2310	Photo Taken: Yes / No	WNS Wing Score: 0	Wing Photo ID: 1805-1806		
Remarks: 101-1804					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 3, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B75
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: Ad	Repro. Condition: NR	Wt. (g): 7.25	Transmitter Attached? If so: Frequency (MHz)
Photo Taken: Yes	Ear: 11	Tragus: 4	Fore-arm: 34	Hind Foot: 9	
WNS Wing Score: 0	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Time of Capture: 2327	Recapture Yes/No: N	Band Material: -	Band Color: -	Band Inscription: -	Band on Left/Right: Left
Wing Photo ID: 101-1808, 101-1809					
Remarks: 101-1807					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B76
Height in meters captured above ground surface:					
Species: PESU	Sex: F	Age: Ad	Repro. Condition: NR	Wt. (g): 7	Transmitter Attached? If so: Frequency (MHz)
Photo Taken: Yes	Ear: 11	Tragus: 5	Fore-arm: 34	Hind Foot: 8	
WNS Wing Score: 0	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Time of Capture: 2327	Recapture Yes/No: -	Band Material: -	Band Color: -	Band Inscription: -	Band on Left/Right: -
Wing Photo ID: 1812-13					
Remarks: 1811					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: S-4	Date: Oct 3, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B77
Height in meters captured above ground surface:					
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 6.75	Transmitter Attached? If so: Frequency (MHz)
Photo Taken: Yes	Ear: 11	Tragus: 5	Fore-arm: 34	Hind Foot: 6	
WNS Wing Score: 0	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Time of Capture: 2330	Recapture Yes/No: -	Band Material: -	Band Color: -	Band Inscription: -	Band on Left/Right: -
Wing Photo ID: 101-1815, 101-1816					
Remarks: 101-1814					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B78
Height in meters captured above ground surface: - m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.5
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Ear: 16	Tragus: 6	Fore-arm: 34	Hind Foot: 9
WNS Wing Score: 0	Wing Photo ID: 101-1818, 101-1819			
Time of Capture: 1927	Remarks: Profile 101-1817			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B79
Height in meters captured above ground surface: - m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Ear: 11	Tragus: 4	Fore-arm: 33	Hind Foot: 9
WNS Wing Score: 0	Wing Photo ID: 101-1821, 101-1822			
Time of Capture: 1957	Remarks: Profile 101-1820			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B80
Height in meters captured above ground surface: - m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.25
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Ear: 13	Tragus: 5	Fore-arm: 33	Hind Foot: 8
WNS Wing Score: 0	Wing Photo ID: 101-1824, 101-1825			
Time of Capture: 1957	Remarks: Profile 101-1823			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B81
Height in meters captured above ground surface:				
Species: MYSZ	Sex: M	Age: A	Repro. Condition: SCR	Transmitter Attached? If so: Frequency (MHz)
Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot
7.25	12	5	32	6
WNS Wing Score	Photo Taken	Yes / No	Wing Photo ID:	
1957	Yes	No		
Remarks:				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B82
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Transmitter Attached? If so: Frequency (MHz)
Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot
7.25	12	5	32	6
WNS Wing Score	Photo Taken	Yes / No	Wing Photo ID:	
1957	Yes	No		
Remarks:	Profile: 101-1826			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B83
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Transmitter Attached? If so: Frequency (MHz)
Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot
7.75	11	5	33	9
WNS Wing Score	Photo Taken	Yes / No	Wing Photo ID:	
2013	Yes	No		
Remarks:	Profile: 101-1829			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B84
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7
Photo Taken: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	Ear: 12	Tragus: 5	Fore-arm: 33	Hind Foot: 8
WNS Wing Score: 0	Wing Photo ID: 101-1833, 101-1834			
Time of Capture: 2013	Remarks: Profile: 101-1832			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B85
Height in meters captured above ground surface:				
Species: MYSZ	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 8.25
Photo Taken: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	Ear: 16	Tragus: 8	Fore-arm: 36	Hind Foot: 8
WNS Wing Score: 0	Wing Photo ID: 101-1836, 101-1837			
Time of Capture: 2013	Remarks: Profile: 101-1835			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B86
Height in meters captured above ground surface:				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 6.75
Photo Taken: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	Ear: 9	Tragus: 3	Fore-arm: 32	Hind Foot: 7
WNS Wing Score: 0	Wing Photo ID: 101-1839, 101-1840			
Time of Capture: 2013	Remarks: Profile: 101-1838			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B87
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7	Transmitter Attached? If so: Frequency (mHz)
Photo Taken: (Yes) / No	Ear: 10	Tragus: 4	Fore-arm: 34	Hind Foot: 9	
WNS Wing Score: 0	Wing Photo ID: 101 - 1842, 101 - 1843				
Time of Capture: 2013	Remarks: Profile 101 - 1841				
Repro. Condition: NR - nonreproductive, PG - pregnant, L - lactating, PL - post lactating, SCR - scrotal/epididymis swollen					
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B88
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.5	Transmitter Attached? If so: Frequency (mHz)
Photo Taken: (Yes) / No	Ear: 10	Tragus: 4	Fore-arm: 32	Hind Foot: 8	
WNS Wing Score: 0	Wing Photo ID: 101 - 1845, 101 - 1846				
Time of Capture: 2013	Remarks: Profile 101 - 1844				
Repro. Condition: NR - nonreproductive, PG - pregnant, L - lactating, PL - post lactating, SCR - scrotal/epididymis swollen					
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:	Name of Person Identifying the Bat:	*Capture Number: B89
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.5	Transmitter Attached? If so: Frequency (mHz)
Photo Taken: (Yes) / No	Ear: 9	Tragus: 4	Fore-arm: 33	Hind Foot: 7	
WNS Wing Score: 0	Wing Photo ID: 101 - 1848, 101 - 1849				
Time of Capture: 2029	Remarks: Profile 101 - 1847				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B90
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7
Photo Taken: Yes/No	Ear: 11	Tragus: 4	Fore-arm: 32	Hind Foot: 9
WNS Wing Score: 0	Wing Photo ID: 101 - 1851, 101 - 1852			
2029	Remarks: Profile: 101 - 1850			

Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B91
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7
Photo Taken: Yes/No	Ear: 10	Tragus: 4	Fore-arm: 34	Hind Foot: 9
WNS Wing Score: 0	Wing Photo ID: 101 - 1854, 101 - 1855			
2029	Remarks: Profile: 101 - 1853			

Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B92
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.25
Photo Taken: Yes/No	Ear: 11	Tragus: 4	Fore-arm: 34	Hind Foot: 8
WNS Wing Score: 0	Wing Photo ID: 101 - 1857, 101 - 1858			
2029	Remarks: Profile: 101 - 1856			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B93
Height in meters captured above ground surface:				
Species: PESU	Sex: M, Age: A	Repro. Condition: NR	Wt. (g): 6.5	Transmitter Attached? If so: Frequency (mHz):
Photo Taken: Yes	Ear: 12	Tragus: 5	Fore-arm: 32	
Wing Photo ID: 101-1861	WNS Wing Score: 0	Wing Photo ID: 101-1862	Remarks: Profile: 101-1860	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B94
Height in meters captured above ground surface:				
Species: PESU	Sex: F, Age: A	Repro. Condition: NR	Wt. (g): 7	Transmitter Attached? If so: Frequency (mHz):
Photo Taken: Yes	Ear: 10	Tragus: 4	Fore-arm: 34	
Wing Photo ID: 101-1865	WNS Wing Score: 0	Wing Photo ID: 101-1866	Remarks: Profile: 101-1864	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B95
Height in meters captured above ground surface:				
Species: PESU	Sex: M, Age: A	Repro. Condition: SCR	Wt. (g): 6.75	Transmitter Attached? If so: Frequency (mHz):
Photo Taken: Yes	Ear: 10	Tragus: 4	Fore-arm: 33	
Wing Photo ID: 101-1868	WNS Wing Score: 0	Wing Photo ID: 101-1869	Remarks: Profile: 101-1867	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B98
Height in meters captured above ground surface:				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 6.25
Photo Taken: Yes	WNS Wing Score: 0	Wing Photo ID: 101-1874, 101-1877	Remarks: Radio-tagged, 101-1870	
Time of Capture: 2029				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B97
Height in meters captured above ground surface:				
Species: MUSE	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 5.5
Photo Taken: Yes	WNS Wing Score: 1	Wing Photo ID:	Remarks:	
Time of Capture: 2029				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B98
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 8.25
Photo Taken: Yes	WNS Wing Score: 0	Wing Photo ID: 101-1874, 101-1875	Remarks: 101-1873	
Time of Capture: 2029				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B99
Height in meters captured above ground surface: -				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.25
Photo Taken: Yes / No	WNS Wing Score: O	Fore-arm: 33	Tragus: 4	Ear: 10
Time of Capture: 2029	Wing Photo ID: 101-1877, 101-1878	Remarks: Profile: 101-1876		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B100
Height in meters captured above ground surface: -				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 6.75
Photo Taken: Yes / No	WNS Wing Score: O	Fore-arm: 33	Tragus: 5	Ear: 11
Time of Capture: 2029	Wing Photo ID: 101-1880, 101-1881	Remarks: Profile: 101-1879		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B101
Height in meters captured above ground surface: -				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.25
Photo Taken: Yes / No	WNS Wing Score: O	Fore-arm: 33	Tragus: 4	Ear: 10
Time of Capture: 2100	Wing Photo ID: 101-1883, 101-1884	Remarks: Profile: 101-1882		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B102
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.25
Photo Taken: <input checked="" type="checkbox"/> Yes / No	WNS Wing Score: 0	Wing Photo ID: 101-1886	101-1887	
Time of Capture: 2100	Remarks: Profile: 101-1885			
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B103
Height in meters captured above ground surface:				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7
Photo Taken: <input checked="" type="checkbox"/> Yes / No	WNS Wing Score: 0	Wing Photo ID: 101-1889	101-1890	
Time of Capture: 2100	Remarks: Profile: 101-1888			
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B104
Height in meters captured above ground surface:				
Species: MYSE	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 8.5
Photo Taken: <input checked="" type="checkbox"/> Yes / No	WNS Wing Score: 0	Wing Photo ID: 101-1892	101-1893	
Time of Capture: 2100	Remarks: Profile: 101-1891			
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epitidymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B105
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 6.75	Transmitter Attached? If so: (mHz)
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Ear: 11	Tragus: 4	Fore-arm: 33	Hind Foot: 8	
WNS Wing Score: 0	Wing Photo ID: 101-1895, 101-1896				
Time of Capture: 2100	Remarks: Profile: 101-1894				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B106
Height in meters captured above ground surface:					
Species: MYSE	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 8.75	Transmitter Attached? If so: (mHz)
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Ear: 16	Tragus: 8	Fore-arm: 38	Hind Foot: 8	
WNS Wing Score: 0	Wing Photo ID: 101-1898, 101-1899				
Time of Capture: 2100	Remarks: Profile: 101-1897				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B107
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.5	Transmitter Attached? If so: (mHz)
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Ear: 9	Tragus: 4	Fore-arm: 34	Hind Foot: 8	
WNS Wing Score: 0	Wing Photo ID: 101-1902, 101-1903				
Time of Capture: 2135	Remarks: Profile: 101-1901				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B108
Height in meters captured above ground surface:					
Species: MYS	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.25	Transmitter Attached? If so: (mHz)
Time of Capture: 2135	Photo Taken: Yes / No	WNS Wing Score: 0	Wing Photo ID: 101-1908	Remarks: Profile: 101-1907	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B109
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.5	Transmitter Attached? If so: (mHz)
Time of Capture: 2135	Photo Taken: Yes / No	WNS Wing Score: 0	Wing Photo ID: 101-1905	Remarks: Profile: 101-1904	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B110
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.25	Transmitter Attached? If so: (mHz)
Time of Capture: 2135	Photo Taken: Yes / No	WNS Wing Score: 0	Wing Photo ID: 101-1908	Remarks: Profile: 101-1907	

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number:	S-4	Date:	Oct 4, 2012	Set No. Captured In:	-	Name of Person Identifying the Bat:	Jack Basiger	*Capture Number:	B117
Height in meters captured above ground surface:	-								
Species	PESU	Sex	M	Age	A	Repro. Condition	SCR	Wt. (g)	7.5
		Ear	10	Tragus	4	Fore-arm	35	Hind Foot	9
Time of Capture	2135	Photo Taken	(Yes) / No	WNS Wing Score	0	Wing Photo ID:	101-1911, 101-1912		
		Remarks:	Profile: 101-1910						
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen									
Site Name Or Number:	S-4	Date:	Oct 4, 2012	Set No. Captured In:	-	Name of Person Identifying the Bat:	Jack Basiger	*Capture Number:	B112
Height in meters captured above ground surface:	-								
Species	PESU	Sex	M	Age	A	Repro. Condition	SCR	Wt. (g)	7.25
		Ear	11	Tragus	5	Fore-arm	34	Hind Foot	9
Time of Capture	2135	Photo Taken	(Yes) / No	WNS Wing Score	0	Wing Photo ID:	101-1914, 101-1915		
		Remarks:	Profile: 101-1913						
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen									
Site Name Or Number:	S-4	Date:	Oct 4, 2012	Set No. Captured In:	-	Name of Person Identifying the Bat:	Jack Basiger	*Capture Number:	B113
Height in meters captured above ground surface:	-								
Species	PESU	Sex	M	Age	A	Repro. Condition	SCR	Wt. (g)	6.5
		Ear	10	Tragus	5	Fore-arm	34	Hind Foot	8
Time of Capture	2150	Photo Taken	(Yes) / No	WNS Wing Score	0	Wing Photo ID:	101-1917, 101-1918		
		Remarks:	Profile: 101-1916						

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B114
Height in meters captured above ground surface:					
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	m	
Wt. (g): 6.75	Ear: 12	Tragus: 4	Fore-arm: 33	Hind Foot: 9	
Time of Capture: 2150	Photo Taken: Yes / No	Remarks: wing: 101-1920, 101-1921 Profile: 101-1919			
Body Measurements (grams and millimeters) Recapture Yes/No: Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: Band Material: Band Color: Band Inscription: Band on Left/Right: Transmitter Attached? If so: Frequency (MHz): 					

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B115
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	m	
Wt. (g): 7	Ear: 10	Tragus: 4	Fore-arm: 33	Hind Foot: 8	
Time of Capture: 2150	Photo Taken: Yes / No	Remarks: wing: 101-1923, 101-1924 Profile: 101-1922			
Body Measurements (grams and millimeters) Recapture Yes/No: Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: Band Material: Band Color: Band Inscription: Band on Left/Right: Transmitter Attached? If so: Frequency (MHz): 					

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B116
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	m	
Wt. (g): 6.75	Ear: 11	Tragus: 4	Fore-arm: 32	Hind Foot: 7	
Time of Capture: 2150	Photo Taken: Yes / No	Remarks: wing: 101-1926, 101-1927 Profile: 101-1925			
Body Measurements (grams and millimeters) Recapture Yes/No: Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: Band Material: Band Color: Band Inscription: Band on Left/Right: Transmitter Attached? If so: Frequency (MHz): 					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B117
Height in meters captured above ground surface: - m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.75
	Ear: 10	Tragus: 4	Fore-arm: 32	Hind Foot: 8
Time of Capture: 2150	Photo Taken: Yes / No	WNS Wing Score: O	Wing Photo ID: 101-1929, 101-1930	Remarks: Profile: 101-1928
Repro. Condition: NR - nonreproductive, PG - pregnant, L - lactating, PL - post lactating, SCR - scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B118
Height in meters captured above ground surface: - m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.75
	Ear: 14	Tragus: 6	Fore-arm: 33	Hind Foot: 8
Time of Capture: 2150	Photo Taken: Yes / No	WNS Wing Score: O	Wing Photo ID: 101-1932, 101-1933	Remarks: Profile: 101-1931
Repro. Condition: NR - nonreproductive, PG - pregnant, L - lactating, PL - post lactating, SCR - scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B119
Height in meters captured above ground surface: - m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.5
	Ear: 12	Tragus: 4	Fore-arm: 34	Hind Foot: 9
Time of Capture: 2150	Photo Taken: Yes / No	WNS Wing Score: O	Wing Photo ID: 101-1935, 101-1936	Remarks: Profile: 101-1934
Repro. Condition: NR - nonreproductive, PG - pregnant, L - lactating, PL - post lactating, SCR - scrotal/epididymis swollen				

*Capture Number = number in sequence by site.

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Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:		Name of Person Identifying the Bat: Jack Basiger	Capture Number: B120
Height in meters captured above ground surface:						
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore- arm	Hind Foot
MYLU	M	A	SCR	8.25	12	36
Time of Capture	Photo Taken (Yes / No)	Remarks:				
2150	(Yes)	Wing # 101-1938, 101-1939 Profile # 101-1937				

WS:0

Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:		Name of Person Identifying the Bat: Jack Basiger	Capture Number: B121
Height in meters captured above ground surface:						
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore- arm	Hind Foot
PESU	M	A	SCR	7.5	3	9
Time of Capture	Photo Taken (Yes / No)	Remarks:				
2215	(Yes)	Wing # 101-1941, 101-1942 Profile # 101-1940				

WS:0

Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Captured In:		Name of Person Identifying the Bat: Jack Basiger	Capture Number: B122
Height in meters captured above ground surface:						
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore- arm	Hind Foot
PESU	F	A	NR	-	11	8
Time of Capture	Photo Taken (Yes / No)	Remarks:				
2215	(Yes)	Wing # 101-1944, 101-1945 Profile # 101-1943				

WS:0

(Capture Number = Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

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Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	Capture Number: B123
Height in meters captured above ground surface:				
Species	Sex	Age	Repro. Condition	Wing #
MYLU	M	A	SCR	101-1947, 101-1948
Time of Capture	Photo Taken	Yes / No	Remarks:	Profile #
2215	(Yes)	No		101-1946
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	Capture Number: B124
Height in meters captured above ground surface:				
Species	Sex	Age	Repro. Condition	Wing #
PESU	M	A	NR	101-1950, 101-1951
Time of Capture	Photo Taken	Yes / No	Remarks:	Profile #
2215	(Yes)	No		101-1949
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	Capture Number: B125
Height in meters captured above ground surface:				
Species	Sex	Age	Repro. Condition	Wing #
PESU	M	A	SCR	101-1947, 101-1948
Time of Capture	Photo Taken	Yes / No	Remarks:	Profile #
2215	(Yes)	No		101-1946
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

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(Capture Number = Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4		Date: Oct 4, 2012	Set No. Captured In:		Name of Person Identifying the Bat: Jack Basiger		Capture Number: B126	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa, Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz)		
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot
MYSE	M	A	SCR	8.25	14	7	35	7
Time of Capture		Photo Taken		Remarks:		Band		Band on Left/Right
2215		(Yes / No)		wing # 101-1953, 101-1954		Inscription		Right
				Profile # 101-1952		PAC 55935		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen								
Site Name Or Number: S-4		Date: Oct 4, 2012	Set No. Captured In:		Name of Person Identifying the Bat: Jack Basiger		Capture Number: B127	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa, Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz)		
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot
PESO	M	A	SCR	7	10	4	34	7
Time of Capture		Photo Taken		Remarks:		Band		Band on Left/Right
2215		(Yes / No)		wing # 101-1956, 101-1957		Inscription		
				Profile # 101-1955		PAC 55936		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen								
Site Name Or Number: S-4		Date: Oct 4, 2012	Set No. Captured In:		Name of Person Identifying the Bat: Jack Basiger		Capture Number: B128	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Band Information (if banded) (Band Males on bat's RIGHT fa, Females on bat's LEFT fa.)		Transmitter Attached? If so: Frequency (mHz)		
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore-arm	Hind Foot
MYLU	M	A	SCR	8.75	12	4	38	10
Time of Capture		Photo Taken		Remarks:		Band		Band on Left/Right
2215		(Yes / No)		wing # 101-1959, 101-1960		Inscription		Right
				Profile # 101-1958		PAC 55936		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen								

(Capture Number= Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

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Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: --	Name of Person Identifying the Bat: Jack Basiger				Capture Number: B129	
Height in meters captured above ground surface:								
Species MYLU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 9.25	Ear 12	Fore- arm 38	Hind Foot 9	Transmitter Attached? If so: Frequency (mHz)
Time of Capture 2236				Remarks: Wing # 101-1962, 101-1963 Profile # 101-1961				Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: No Band Material: -- Band Color: -- Band Inscription: PAGE 55937 Band on Left/Right: Right
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen								
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: --	Name of Person Identifying the Bat: Jack Basiger				Capture Number: B130	
Height in meters captured above ground surface:								
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 5.75	Ear 10	Fore- arm 33	Hind Foot 8	Transmitter Attached? If so: Frequency (mHz)
Time of Capture 2236				Remarks: Wing # 101-1965, 101-1966 Profile # 101-1964				Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: -- Band Material: -- Band Color: -- Band Inscription: -- Band on Left/Right: --
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen								
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: --	Name of Person Identifying the Bat: Jack Basiger				Capture Number: B131	
Height in meters captured above ground surface:								
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 6.5	Ear 10	Fore- arm 32	Hind Foot 7	Transmitter Attached? If so: Frequency (mHz)
Time of Capture 2236				Remarks: Wing # 101-1968, 101-1967 Profile # 101-1967				Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: -- Band Material: -- Band Color: -- Band Inscription: -- Band on Left/Right: --
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen								

(Capture Number = Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

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Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basinger				Capture Number: B132						
Height in meters captured above ground surface:													
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			Transmitter Attached? If so: Frequency (mHz)
PESU	M	A	SCR	6.5	10	4	32	9		Band Material	Band Color	Band Inscription	Band on Left/Right
Time of Capture	Photo Taken	Remarks:											
2236	(Yes) / No	Wing # 101-1971, 101-1972 WS:0 Profile # 101-1970											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen													
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basinger				Capture Number: B133						
Height in meters captured above ground surface:													
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			Transmitter Attached? If so: Frequency (mHz)
PESU	M	A	SCR	8	12	5	34	7		Band Material	Band Color	Band Inscription	Band on Left/Right
Time of Capture	Photo Taken	Remarks:											
2236	(Yes) / No	Wing # 101-1974, 101-1975 WS:0 Profile # 101-1973											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen													
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basinger				Capture Number: B134						
Height in meters captured above ground surface:													
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Recapture Yes/No	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			Transmitter Attached? If so: Frequency (mHz)
PESU	M	A	SCR	7.25	11	4	33	8		Band Material	Band Color	Band Inscription	Band on Left/Right
Time of Capture	Photo Taken	Remarks:											
2236	(Yes) / No	Wing # 101-1977, 101-1978 WS:0 Profile # 101-1976											

(Capture Number = Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Berger				Capture Number: B135	
Height in meters captured above ground surface: -								
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.25	Ear: 10	Tragus: 4	Fore-arm: 34	Hind Foot: 8
Photo Taken: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No			Remarks: Wing # 101-1980, 101-1981 WS: 0					
Time of Capture: 2236	Profile # 101-1979							
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen								
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Berger				Capture Number: B136	
Height in meters captured above ground surface: -								
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.75	Ear: 10	Tragus: 4	Fore-arm: 33	Hind Foot: 9
Photo Taken: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No			Remarks: Wing # 101-1983, 101-1984 WS: 0					
Time of Capture: 2251	Profile # 101-1982							
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen								
Site Name Or Number: S-4	Date: Oct 4, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Berger				Capture Number: B137	
Height in meters captured above ground surface: -								
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.5	Ear: 11	Tragus: 4	Fore-arm: 33	Hind Foot: 7
Photo Taken: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No			Remarks: Wing # 101-1986, 101-1987 WS: 0					
Time of Capture: 2323	Profile # 101-1985							
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen								

(Capture Number= Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Name of Person Identifying the Bat: Jack Basinger		*Capture Number: B138
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.75	Transmitter Attached? If so: Frequency (mHz):
Photo Taken: Yes	Ear: 16	Tragus: 4	Fore-arm: 34	Hind Foot: 8	
WNS Wing Score: 0	Wing Photo ID: 101-1989				
Time of Capture: 2323	Remarks: Camera battery died, only 1 wing picture				

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Name of Person Identifying the Bat: Jack Basinger		*Capture Number: B139
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7	Transmitter Attached? If so: Frequency (mHz):
Photo Taken: Yes / No	Ear: 11	Tragus: 5	Fore-arm: 33	Hind Foot: 9	
WNS Wing Score: 0	Wing Photo ID:				
Time of Capture: 2323	Remarks: Camera battery died				

Site Name Or Number: S-4	Date: Oct 4, 2012	Set No.	Name of Person Identifying the Bat: Jack Basinger		*Capture Number: B140
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.5	Transmitter Attached? If so: Frequency (mHz):
Photo Taken: Yes / No	Ear: 10	Tragus: 4	Fore-arm: 32	Hind Foot: 8	
WNS Wing Score: 0	Wing Photo ID:				
Time of Capture: 2327	Remarks: Camera battery died				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B141
Height in meters captured above ground surface: - m				
Species MYSE	Sex F	Age A	Repro. Condition NR	Wt. (g) 8.5
Photo Taken Yes / No	Ear 16	Tragus 7	Fore- arm 35	Hind Foot 8
WNS Wing Score O	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
	Recapture Yes/No No	Band Material	Band Color	Band Inscription PAGC 55938
Time of Capture 1950	Transmitter Attached? If so: Frequency (mHz)			
Wing Photo ID: 101-1991, 101-1993				
Remarks: POF # 101-1990				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B142
Height in meters captured above ground surface: - m				
Species PESU	Sex M	Age A	Repro. Condition NR	Wt. (g) 7.25
Photo Taken Yes / No	Ear 16	Tragus 4	Fore- arm 32	Hind Foot 7
WNS Wing Score O	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
	Recapture Yes/No	Band Material	Band Color	Band Inscription
Time of Capture 2020	Transmitter Attached? If so: Frequency (mHz)			
Wing Photo ID: 101-1996, 101-1997				
Remarks: Profile # 101-1995				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B143
Height in meters captured above ground surface: - m				
Species PESU	Sex M	Age A	Repro. Condition SCR	Wt. (g) 7.25
Photo Taken Yes / No	Ear 10	Tragus 4	Fore- arm 33	Hind Foot 7
WNS Wing Score O	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
	Recapture Yes/No	Band Material	Band Color	Band Inscription
Time of Capture 2020	Transmitter Attached? If so: Frequency (mHz)			
Wing Photo ID: 101-1999, 101-2000				
Remarks: 101-1998				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Bassiger	*Capture Number: B144
Height in meters captured above ground surface: - m	Transmitter Attached? If so: Frequency (MHz)			
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: O
Photo Taken: Yes / No	Wt. (g): 6	Ear: 11	Fore-arm: 33	Hind Foot: 8
Time of Capture: 2020	Wing Photo ID: 101-2002, 101-2003	Remarks: Profile: 101-2001		

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Bassiger	*Capture Number: B145
Height in meters captured above ground surface: - m	Transmitter Attached? If so: Frequency (MHz)			
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: O
Photo Taken: Yes / No	Wt. (g): 7.75	Ear: 11	Fore-arm: 32	Hind Foot: 8
Time of Capture: 2020	Wing Photo ID: 101-2005, 101-2006	Remarks: Profile: 101-2004		

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Bassiger	*Capture Number: B146
Height in meters captured above ground surface: - m	Transmitter Attached? If so: Frequency (MHz)			
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: O
Photo Taken: Yes / No	Wt. (g): 6.75	Ear: 11	Fore-arm: 32	Hind Foot: 7
Time of Capture: 2050	Wing Photo ID: 101-2009, 101-2010	Remarks: Profile: 101-2007		

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B147
Height in meters captured above ground surface: - m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.5
Photo Taken: <input checked="" type="checkbox"/>	Ear: 11	Tragus: 5	Fore-arm: 32	Hind Foot: 7
WNS Wing Score: O	Wing Photo ID: 101-2012, 101-2013			
Time of Capture: 2050	Remarks: Profile: 101-2011			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotid epididymis swollen				
Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B148
Height in meters captured above ground surface: - m				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 5.5
Photo Taken: <input checked="" type="checkbox"/>	Ear: 7	Tragus: 4	Fore-arm: 32	Hind Foot: 7
WNS Wing Score: O	Wing Photo ID: 101-2016, 101-2017			
Time of Capture: 2100	Remarks: Profile: 101-2015			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotid epididymis swollen				
Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B149
Height in meters captured above ground surface: - m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7
Photo Taken: <input checked="" type="checkbox"/>	Ear: 11	Tragus: 5	Fore-arm: 34	Hind Foot: 9
WNS Wing Score: O	Wing Photo ID: 101-2019, 101-2020			
Time of Capture: 2100	Remarks: Profile: 101-2012			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = serotid epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B150
Height in meters captured above ground surface:				
Species: PESU	Repro. Condition: NR	WNS Wing Score: 0	Transmitter Attached? If so: Frequency (MHz)	
Sex: F	Age: A	Photo Taken: (Yes) / No		
Wt. (g): 6.5	Ear: 10	Tragus: 4		
Fore-arm: 32	Hind Foot: 8			
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
Wing Photo ID: 101-2022, 101-2023				
Remarks: Profile: 101-2021				
Repro: Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B151
Height in meters captured above ground surface:				
Species: PESU	Repro. Condition: NR	WNS Wing Score: 0	Transmitter Attached? If so: Frequency (MHz)	
Sex: F	Age: A	Photo Taken: (Yes) / No		
Wt. (g): 6.5	Ear: 10	Tragus: 4		
Fore-arm: 32	Hind Foot: 8			
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
Wing Photo ID: 101-2027, 101-2028				
Remarks: Profile: 101-2026				
Repro: Condition: NR = non-reproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B152
Height in meters captured above ground surface:				
Species: PESU	Repro. Condition: SCR	WNS Wing Score: 0	Transmitter Attached? If so: Frequency (MHz)	
Sex: M	Age: A	Photo Taken: (Yes) / No		
Wt. (g): 6.5	Ear: 12	Tragus: 5		
Fore-arm: 34	Hind Foot: 9			
Body Measurements (grams and millimeters)				
Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right
Wing Photo ID: 101-2030, 101-2031				
Remarks: Profile: 101-2029				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B153
Height in meters captured above ground surface:					
Species: PESO	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 6	Transmitter Attached? If so: Frequency (mHz):
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Ear: 11	Tragus: 5	Fore-arm: 33	Hind Foot: 8	
WNS Wing Score: 0	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Time of Capture: 2140	Photo Taken: <input checked="" type="checkbox"/> Yes / No	WNS Wing Score: 0	Remarks:		
Wing Photo ID: 2032-35					
Remarks:					
Repro. Condition: NR nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal epididymis swollen					
Site Name Or Number: S-4	Date: Oct 5, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B154
Height in meters captured above ground surface:					
Species: PESO	Sex: M	Age: A	Repro. Condition: NR	Wt. (g): 5.75	Transmitter Attached? If so: Frequency (mHz):
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Ear: 10	Tragus: 4	Fore-arm: 31	Hind Foot: 7	
WNS Wing Score: 0	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Time of Capture: 2140	Photo Taken: <input checked="" type="checkbox"/> Yes / No	WNS Wing Score: 0	Remarks:		
Wing Photo ID: 101-2037, 101-2038					
Remarks: Profile: 101-2036					
Repro. Condition: NR nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal epididymis swollen					
Site Name Or Number: S-4	Date: Oct 5, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B155
Height in meters captured above ground surface:					
Species: MYLU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 9	Transmitter Attached? If so: Frequency (mHz):
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Ear: 12	Tragus: 6	Fore-arm: 35	Hind Foot: 9	
WNS Wing Score: 0	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)				
Time of Capture: 2140	Photo Taken: <input checked="" type="checkbox"/> Yes / No	WNS Wing Score: 0	Remarks:		
Wing Photo ID: 101-2040, 101-2041					
Remarks: Profile: 101-2039					
Repro. Condition: NR nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal epididymis swollen					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No.	Name of Person Identifying the Bat: Jack Bassinger		*Capture Number: B156
Height in meters captured above ground surface:					Transmitter Attached? If so: Frequency (MHz)
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: 0	
Time of Capture: 2140	Photo Taken: Yes / No	Wing Photo ID: 101-2043, 101-2044	Remarks: Profile: 101-2042		
Body Measurements (grams and millimeters) Ear: 11 Tragus: 4 Fore-arm: 33 Hind Foot: 7 Band Information (if banded) Recapture Yes/No: Band Material: Band Color: Band Inscription: Band on Left/Right:					

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No.	Name of Person Identifying the Bat: Jack Bassinger		*Capture Number: B157
Height in meters captured above ground surface:					Transmitter Attached? If so: Frequency (MHz)
Species: MYSE	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: 0	
Time of Capture: 2140	Photo Taken: Yes / No	Wing Photo ID: 101-2046, 101-2047	Remarks: Profile: 101-2045		
Body Measurements (grams and millimeters) Ear: 17 Tragus: 7 Fore-arm: 35 Hind Foot: 9 Band Information (if banded) Recapture Yes/No: No Band Material: Band Color: Band Inscription: PAGE 55940 Band on Left/Right: Right					

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No.	Name of Person Identifying the Bat: Jack Bassinger		*Capture Number: B158
Height in meters captured above ground surface:					Transmitter Attached? If so: Frequency (MHz)
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: 0	
Time of Capture: 2210	Photo Taken: Yes / No	Wing Photo ID: 101-2049, 101-2050	Remarks: Profile: 101-2048		
Body Measurements (grams and millimeters) Ear: 10 Tragus: 4 Fore-arm: 33 Hind Foot: 7 Band Information (if banded) Recapture Yes/No: Band Material: Band Color: Band Inscription: Band on Left/Right:					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B159
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7	Ear: 11
	Tragus: 5	Fore-arm: 32	Hind Foot: 8		
Time of Capture: 2210	Photo Taken: <input checked="" type="checkbox"/> Yes / No	WNS Wing Score: 0	Wing Photo ID: 101-2052, 101-2053	Remarks: Profile: 101-2051	

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B160
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.5	Ear: 11
	Tragus: 5	Fore-arm: 33	Hind Foot: 8		
Time of Capture: 2210	Photo Taken: <input checked="" type="checkbox"/> Yes / No	WNS Wing Score: 0	Wing Photo ID: 101-2055, 101-2056	Remarks: Profile: 101-2054	

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B161
Height in meters captured above ground surface:					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.25	Ear: 11
	Tragus: 5	Fore-arm: 32	Hind Foot: 8		
Time of Capture: 2210	Photo Taken: <input checked="" type="checkbox"/> Yes / No	WNS Wing Score: 0	Wing Photo ID: 101-2059, 101-2060	Remarks: Profile: 101-2058	

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: ~	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B162
Height in meters captured above ground surface: ~ m				
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	WNS Wing Score: O
Photo Taken: Yes / No	Wt. (g): 7	Ear: 11	Tragus: 5	Fore-arm: 33
Time of Capture: 2310	Wing Photo ID: 101-2062, 101-2063	Remarks: Profile; 101-2061		
Body Measurements (grams and millimeters) Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: ~ Band Material: ~ Band Color: ~ Band Inscription: ~ Band on Left/Right: ~ Transmitter Attached? If so: Frequency (MHz): ~				

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Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: ~	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B163
Height in meters captured above ground surface: ~ m				
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	WNS Wing Score: O
Photo Taken: Yes / No	Wt. (g): 6.5	Ear: 10	Tragus: 4	Fore-arm: 33
Time of Capture: 2310	Wing Photo ID: 101-2065, 101-2066	Remarks: Profile; 101-2064		
Body Measurements (grams and millimeters) Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: ~ Band Material: ~ Band Color: ~ Band Inscription: ~ Band on Left/Right: ~ Transmitter Attached? If so: Frequency (MHz): ~				

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Site Name Or Number: S-4	Date: Oct 5, 2012	Set No. Captured In: ~	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: B164
Height in meters captured above ground surface: ~ m				
Species: PESU	Sex: M	Age: A	Repro. Condition: NR	WNS Wing Score: O
Photo Taken: Yes / No	Wt. (g): 5.5	Ear: 10	Tragus: 4	Fore-arm: 31
Time of Capture: 2310	Wing Photo ID: 101-2068, 101-2069	Remarks: Profile; 101-2067		
Body Measurements (grams and millimeters) Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No: ~ Band Material: ~ Band Color: ~ Band Inscription: ~ Band on Left/Right: ~ Transmitter Attached? If so: Frequency (MHz): ~				

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*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>S1214, S80219-020</u>		Date: <u>10/06/2012</u>		Set No. Captured In: <u>1</u>		Name of Person Identifying the Bat: <u>J. Zelazus</u>		*Capture Number: <u>C1</u>	
Height in meters captured above ground surface:		m		Repro. Condition		Age		Sex	
<u>Pesl</u>		<u>SCR</u>		<u>14</u>		<u>M</u>		<u>M</u>	
Photo Taken		Yes		No		WNS Wing Score		Wing Photo ID:	
<u>19:40</u>		<u>Yes</u>		<u>No</u>		<u>Φ</u>		<u>Released at trap</u>	
<p><i>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</i></p>									
Site Name Or Number:		Date:		Set No. Captured In:		Name of Person Identifying the Bat:		*Capture Number:	
Height in meters captured above ground surface:		m		Repro. Condition		Age		Sex	
Photo Taken		Yes		No		WNS Wing Score		Wing Photo ID:	
<p><i>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</i></p>									
Site Name Or Number:		Date:		Set No. Captured In:		Name of Person Identifying the Bat:		*Capture Number:	
Height in meters captured above ground surface:		m		Repro. Condition		Age		Sex	
Photo Taken		Yes		No		WNS Wing Score		Wing Photo ID:	
<p><i>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</i></p>									
Site Name Or Number:		Date:		Set No. Captured In:		Name of Person Identifying the Bat:		*Capture Number:	
Height in meters captured above ground surface:		m		Repro. Condition		Age		Sex	
Photo Taken		Yes		No		WNS Wing Score		Wing Photo ID:	
<p><i>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</i></p>									
Site Name Or Number:		Date:		Set No. Captured In:		Name of Person Identifying the Bat:		*Capture Number:	
Height in meters captured above ground surface:		m		Repro. Condition		Age		Sex	
Photo Taken		Yes		No		WNS Wing Score		Wing Photo ID:	
<p><i>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</i></p>									
Site Name Or Number:		Date:		Set No. Captured In:		Name of Person Identifying the Bat:		*Capture Number:	
Height in meters captured above ground surface:		m		Repro. Condition		Age		Sex	
Photo Taken		Yes		No		WNS Wing Score		Wing Photo ID:	
<p><i>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</i></p>									
Site Name Or Number:		Date:		Set No. Captured In:		Name of Person Identifying the Bat:		*Capture Number:	
Height in meters captured above ground surface:		m		Repro. Condition		Age		Sex	
Photo Taken		Yes		No		WNS Wing Score		Wing Photo ID:	
<p><i>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</i></p>									
Site Name Or Number:		Date:		Set No. Captured In:		Name of Person Identifying the Bat:		*Capture Number:	
Height in meters captured above ground surface:		m		Repro. Condition		Age		Sex	
Photo Taken		Yes		No		WNS Wing Score		Wing Photo ID:	
<p><i>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</i></p>									
Site Name Or Number:		Date:		Set No. Captured In:		Name of Person Identifying the Bat:		*Capture Number:	
Height in meters captured above ground surface:		m		Repro. Condition		Age		Sex	
Photo Taken		Yes		No		WNS Wing Score		Wing Photo ID:	
<p><i>Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen</i></p>									

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 9, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 01
Height in meters captured above ground surface:					
Species: <i>MySe</i>	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 8.75	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: Yes / No	Ear: 17	Tragus: 9	Fore-arm: 35	Hind Foot: 8	
WNS Wing Score: 0	Wing Photo ID: 101-2072, 101-2073				
Time of Capture: 2003	Remarks: Profile # 101-2071				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotally epididymis swollen					
Site Name Or Number: S-4	Date: Oct 9, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 02
Height in meters captured above ground surface:					
Species: <i>PESU</i>	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.5	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: Yes / No	Ear: 10	Tragus: 5	Fore-arm: 33	Hind Foot: 8	
WNS Wing Score: 0	Wing Photo ID: 101-2075, 101-2076				
Time of Capture: 2011	Remarks: Profile # 101-2074				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotally epididymis swollen					
Site Name Or Number: S-4	Date: Oct 9, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 03
Height in meters captured above ground surface:					
Species: <i>MySe</i>	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g):	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: Yes / No	Ear:	Tragus:	Fore-arm:	Hind Foot:	
WNS Wing Score:	Wing Photo ID:				
Time of Capture: 2041	Remarks:				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 9, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 04
Height in meters captured above ground surface: ~					
Species: MYSE	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g):	WNS Wing Score:
Photo Taken: Yes / (No)	Ear: 16	Tragus: 5	Fore-arm: 33	Hind Foot: 8	Wing Photo ID: 101-2079, 101-2080
Time of Capture: 2041	Remarks: Recaptured 2220				

Site Name Or Number: S-4	Date: Oct 9, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: PS
Height in meters captured above ground surface: ~					
Species: MYSE	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 8	WNS Wing Score: 8
Photo Taken: Yes / No	Ear: 16	Tragus: 16	Fore-arm: 34	Hind Foot: 8	Wing Photo ID: 101-2079, 101-2080
Time of Capture: 2050	Remarks: Recaptured 2220				

Site Name Or Number: S-4	Date: Oct 9, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: D6
Height in meters captured above ground surface: ~					
Species: PLESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.5	WNS Wing Score: 8
Photo Taken: Yes / No	Ear: 10	Tragus: 5	Fore-arm: 33	Hind Foot: 8	Wing Photo ID: 101-2082, 101-2083
Time of Capture: 2120	Remarks: Profile: 101-2081				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number:	S-4		Date:	Oct. 9, 2012		Set No. Captured In:	-		Name of Person Identifying the Bat:	Ryan Slack		*Capture Number:	07	
Height in meters captured above ground surface:	-													
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
MYSE	M	A	SCR	6.5	16	9	34	9	No			PAOC 55943	R	
Time of Capture	Photo Taken (Yes / No)		WNS Wing Score	Wing Photo ID: 101-2086 / 01-2087										
2120	(Yes) / No		Ø	Remarks: Profile: 101-2085										
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen														
Site Name Or Number:	S-4		Date:	Oct 9, 2012		Set No. Captured In:	-		Name of Person Identifying the Bat:	Ryan Slack		*Capture Number:	08	
Height in meters captured above ground surface:	-													
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
PESU	F	A	NR	6	11	5	34	8	N	-	-	-	-	
Time of Capture	Photo Taken (Yes / No)		WNS Wing Score	Wing Photo ID: 101-2099, 101-2090										
2150	(Yes) / No		Ø	Remarks: Profile: 101-2088										
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen														
Site Name Or Number:	S-4		Date:	Oct. 9, 2012		Set No. Captured In:	-		Name of Person Identifying the Bat:	Ryan Slack		*Capture Number:	09	
Height in meters captured above ground surface:	-													
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
MYSE	M	A	SCR	7.5	15	9	34	8	N			PAOC 55944	R	
Time of Capture	Photo Taken (Yes / No)		WNS Wing Score	Wing Photo ID: 101-2043, 101-2094										
2150	(Yes) / No			Remarks: Profile: 101-2092										

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>S-4</u>		Date: <u>Oct. 9, 2012</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Ryan Slack</u>	*Capture Number: <u>010</u>
Height in meters captured above ground surface:		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species <u>RESU</u>	Sex <u>FA</u>	Age <u>NR</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>6</u>	Band Material <u>---</u>
Body Measurements (grams and millimeters)		Fore-arm <u>33.8</u>	Hind Foot <u>8</u>	Band Inscription <u>---</u>	Band on Left/Right <u>---</u>
Time of Capture <u>2250</u>	Photo Taken <u>Yes / No</u>	WNS Wing Score <u>0</u>	Wing Photo ID:	Remarks:	Transmitter Attached? If so: Frequency (mHz) <u>---</u>
101-2097, 181-2098 Remarks: <u>8 vs file: 101-2095</u>					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number:		Date:	Set No. Captured In:	Name of Person Identifying the Bat:	*Capture Number:
Height in meters captured above ground surface:		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species	Sex	Age	Repro. Condition	Wt. (g)	Band Material
Body Measurements (grams and millimeters)		Fore-arm	Hind Foot	Band Inscription	Band on Left/Right
Time of Capture	Photo Taken Yes / No	WNS Wing Score	Wing Photo ID:	Remarks:	Transmitter Attached? If so: Frequency (mHz)
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen					
Site Name Or Number:		Date:	Set No. Captured In:	Name of Person Identifying the Bat:	*Capture Number:
Height in meters captured above ground surface:		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species	Sex	Age	Repro. Condition	Wt. (g)	Band Material
Body Measurements (grams and millimeters)		Fore-arm	Hind Foot	Band Inscription	Band on Left/Right
Time of Capture	Photo Taken Yes / No	WNS Wing Score	Wing Photo ID:	Remarks:	Transmitter Attached? If so: Frequency (mHz)
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal/epididymis swollen					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number:	S-4		Date:	Oct. 13, 2012		Set No.	-		Captured In:	-		Name of Person Identifying the Bat:	Ryan Slack		*Capture Number:	D11	
Height in meters captured above ground surface:	-		m														
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Body Measurements (grams and millimeters)		Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)	
MYSE	M	A	SCR	7.5	15	10	35	9			N	-	-	PGC 55945	R	-	
Time of Capture	Photo Taken	WNS Wing Score															
1936	(Yes / No)	Ø															
Remarks:				101-2101, 101-2102 Recaptured @ 2153 Profile: 101-2100													

Site Name Or Number:	S-4		Date:	Oct. 13, 2012		Set No.	-		Captured In:	-		Name of Person Identifying the Bat:	Ryan Slack		*Capture Number:	D12	
Height in meters captured above ground surface:	-		m														
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Body Measurements (grams and millimeters)		Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)	
PESU	M	A	SCR	6	10	4	33	9			N	-	-	-	-	-	
Time of Capture	Photo Taken	WNS Wing Score															
1944	(Yes / No)	Ø															
Remarks:				101-2105, 101-2106 Profile: 101-2104													

Site Name Or Number:	S-4		Date:	Oct. 13, 2012		Set No.	-		Captured In:	-		Name of Person Identifying the Bat:	Ryan Slack		*Capture Number:	D13	
Height in meters captured above ground surface:	-		m														
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Body Measurements (grams and millimeters)		Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (MHz)	
MYLU	M	A	SCR	7.5	11	5	36	9			N	-	-	PGC 55946	R	-	
Time of Capture	Photo Taken	WNS Wing Score															
1948	(Yes / No)	Ø															
Remarks:				101-2108, 101-2109 Profile: 101-2107													

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4		Date: Oct 13, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 014
Height in meters captured above ground surface:						
Species MYSE	Sex M	Age A	Repro. Condition SCR	Wt. (g) 8.0	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
					Recapture Yes/No N	Band Material -
					Band Color -	Band Inscription PGL 55947
					Band Left/Right R	Transmitter Attached? If so: Frequency (MHz) -
Time of Capture 1948		WNS Wing Score Ø		Wing Photo ID: 101-2111, 101-2112		
Photo Taken (Yes / No) Ø		Remarks: Profile: 101-2110				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal epididymis swollen						
Site Name Or Number: S-4		Date: Oct 13, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 015
Height in meters captured above ground surface:						
Species MYSE	Sex M	Age A	Repro. Condition SCR	Wt. (g) 7.8	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
					Recapture Yes/No N	Band Material -
					Band Color -	Band Inscription PGL 55948
					Band Left/Right R	Transmitter Attached? If so: Frequency (MHz) -
Time of Capture 2015		WNS Wing Score Ø		Wing Photo ID: 101-2114, 101-2115		
Photo Taken (Yes / No) Ø		Remarks: Recaptured @ 2122 Profile: 101-2113				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = scrotal epididymis swollen						
Site Name Or Number: S-4		Date: Oct. 13, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 016
Height in meters captured above ground surface:						
Species MYSE	Sex A	Age A	Repro. Condition SCR	Wt. (g) 8.5	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
					Recapture Yes/No N	Band Material -
					Band Color -	Band Inscription PGL 55949
					Band Left/Right R	Transmitter Attached? If so: Frequency (MHz) -
Time of Capture 2025		WNS Wing Score Ø		Wing Photo ID: 101-2117, 101-2118		
Photo Taken (Yes / No) Ø		Remarks: Profile: 101-2116				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>S-4</u>		Date: <u>Oct 13, 2012</u>	Set No. Captured In: <u>-</u>	Name of Person Identifying the Bat: <u>Ryan Slack</u>	*Capture Number: <u>D17</u>
Height in meters captured above ground surface: <u>-</u> m					
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>6</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u>-</u> Band Color <u>-</u> Band Inscription <u>-</u> Band on Left/Right <u>-</u>
Time of Capture <u>2037</u>	Photo Taken <u>Yes</u> / No	WNS Wing Score <u>Ø</u>	Wing Photo ID: <u>101-2120, 101-2121</u>	Transmitter Attached? If so: Frequency (MHz) <u>-</u>	
Remarks: <u>Profile: 101-2119</u>					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen					
Site Name Or Number: <u>S-4</u>		Date: <u>Oct 13, 2012</u>	Set No. Captured In: <u>-</u>	Name of Person Identifying the Bat: <u>Ryan Slack</u>	*Capture Number: <u>D18</u>
Height in meters captured above ground surface: <u>-</u> m					
Species <u>MYSE</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.5</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u>-</u> Band Color <u>-</u> Band Inscription <u>PL 55950</u> Band on Left/Right <u>R</u>
Time of Capture <u>2100</u>	Photo Taken <u>Yes</u> / No	WNS Wing Score <u>Ø</u>	Wing Photo ID: <u>101-2123, 101-2124</u>	Transmitter Attached? If so: Frequency (MHz) <u>-</u>	
Remarks: <u>Profile: 101-2122</u>					
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen					
Site Name Or Number: <u>S-4</u>		Date: <u>Oct 13, 2012</u>	Set No. Captured In: <u>-</u>	Name of Person Identifying the Bat: <u>Ryan Slack</u>	*Capture Number: <u>D19</u>
Height in meters captured above ground surface: <u>-</u> m					
Species <u>MYSE</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>7.0</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.) Recapture Yes/No <u>N</u> Band Material <u>-</u> Band Color <u>-</u> Band Inscription <u>-</u> Band on Left/Right <u>-</u>
Time of Capture <u>2122</u>	Photo Taken <u>Yes</u> / No	WNS Wing Score <u>Ø</u>	Wing Photo ID: <u>101-2125, 101-2127</u>	Transmitter Attached? If so: Frequency (MHz) <u>-</u>	
Remarks: <u>No bat bands available</u> <u>Profile: 101-2125</u>					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4		Date: Oct 13, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 020
Height in meters captured above ground surface: - m					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.8	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: Yes / No		Ear: 11	Tragus: 5	Fore-arm: 34	Hind Foot: 9
WNS Wing Score: 0		Wing Photo ID: 101-2129, 101-2130			
Time of Capture: 2134		Remarks: Profile: 101-2128			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, SCR = scrotal epididymis swollen					
Site Name Or Number: S-4		Date: Oct 13, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 021
Height in meters captured above ground surface: - m					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6.5	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: Yes / No		Ear: 11	Tragus: 5	Fore-arm: 33	Hind Foot: 7
WNS Wing Score: 0		Wing Photo ID: 101-2132, 101-2133			
Time of Capture: 2148		Remarks: Profile: 101-2131			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, SCR = scrotal epididymis swollen					
Site Name Or Number: S-4		Date: October 13, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 022
Height in meters captured above ground surface: - m					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7	Transmitter Attached? If so: Frequency (MHz):
Photo Taken: Yes / No		Ear: 11	Tragus: 5	Fore-arm: 34	Hind Foot: 9
WNS Wing Score: 0		Wing Photo ID: 101-2135, 101-2136			
Time of Capture: 2155		Remarks: Profile: 101-2134			

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 13, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: D23
Height in meters captured above ground surface: — m					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 6	Transmitter Attached? If so: Frequency (MHz): —
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Ear: 10	Tragus: 4	Fore-arm: 33	Hind Foot: 8	
WNS Wing Score: 0	Wing Photo ID: 101-2138, 101-2139				
Time of Capture: 2155	Remarks: Profile: 101-2137				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen					
Site Name Or Number: S-4	Date: Oct 13, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: D24
Height in meters captured above ground surface: — m					
Species: PESU	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.0	Transmitter Attached? If so: Frequency (MHz): —
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Ear: 10	Tragus: 4	Fore-arm: 33	Hind Foot: 8	
WNS Wing Score: 0	Wing Photo ID: 101-2141, 101-2142				
Time of Capture: 2236	Remarks: Profile: 101-2140				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen					
Site Name Or Number: S-4	Date: Oct 13, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: D25
Height in meters captured above ground surface: — m					
Species: MYLU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 8.0	Transmitter Attached? If so: Frequency (MHz): —
Photo Taken: <input checked="" type="checkbox"/> Yes / No	Ear: 11	Tragus: 5	Fore-arm: 35	Hind Foot: 9	
WNS Wing Score: 0	Wing Photo ID: 101-2144, 101-2145				
Time of Capture: 2240	Remarks: Profile: 101-2143				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 13, 2012	Set No. Captured In: --	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 026
Height in meters captured above ground surface: -- m	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species: MYS	Sex: M	Age: A	Recapture: Yes/No	Band on Left/Right
Wt. (g): 7.8	Fore-arm: 35	Hind Foot: 8	Band Color	Band Inscription
WNS Wing Score: 0	Wing Photo ID: 101-2149, 101-2150	Remarks: No Band, used all bands earlier in the night		
Time of Capture: 2240	Photo Taken: Yes / No	Remarks: Profile: 101-2148		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: S-4	Date: Oct 13, 2012	Set No. Captured In: --	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 027
Height in meters captured above ground surface: -- m	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species: PES	Sex: M	Age: A	Recapture: Yes/No	Band on Left/Right
Wt. (g): 6.5	Fore-arm: 34	Hind Foot: 8	Band Color	Band Inscription
WNS Wing Score: 0	Wing Photo ID: 101-2153, 101-2154	Remarks: Profile: 101-2152		
Time of Capture: 2240	Photo Taken: Yes / No	Remarks: Profile: 101-2152		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: S-4	Date: Oct 13, 2012	Set No. Captured In: --	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 028
Height in meters captured above ground surface: -- m	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)			
Species: MYS	Sex: M	Age: A	Recapture: Yes/No	Band on Left/Right
Wt. (g): 7.8	Fore-arm: 35	Hind Foot: 8	Band Color	Band Inscription
WNS Wing Score: 0	Wing Photo ID: 101-2149, 101-2150	Remarks: No Band, used all bands earlier in the night		
Time of Capture: 2240	Photo Taken: Yes / No	Remarks: Profile: 101-2148		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number:	S-4		Date:	Oct 14, 2012		Set No.	-		Name of Person Identifying the Bat:	Ryan Slack		*Capture Number:	029		
Height in meters captured above ground surface:	-														
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Hind Foot	Tragus	Ear	Wing Photo ID:	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					Transmitter Attached? If so: Frequency (MHz)
PESU	M	A	SCR	6.0	33	8	4	10	101-2156	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	-
Time of Capture	Photo Taken		WNS Wing Score												
1925	Yes / No		Ø	Remarks: 101-2156 101-2157 profile: 101-2155											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen															
Site Name Or Number:	S-4		Date:	Oct 14, 2012		Set No.	-		Name of Person Identifying the Bat:	Ryan Slack		*Capture Number:	030		
Height in meters captured above ground surface:	-														
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Hind Foot	Tragus	Ear	Wing Photo ID:	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					Transmitter Attached? If so: Frequency (MHz)
MYSE	A	M	SCR	-	-	-	-	-	-	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	-
Time of Capture	Photo Taken		WNS Wing Score												
2027	Yes / No		-	Remarks: Recap again @ 2250											
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen															
Site Name Or Number:	S-4		Date:	Oct 14, 2012		Set No.	-		Name of Person Identifying the Bat:	Ryan Slack		*Capture Number:	031		
Height in meters captured above ground surface:	-														
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Hind Foot	Tragus	Ear	Wing Photo ID:	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					Transmitter Attached? If so: Frequency (MHz)
PESU	M	A	SCR	6.5	35	9	5	11	101-2159	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	-
Time of Capture	Photo Taken		WNS Wing Score												
2107	Yes / No		Ø	Remarks: 101-2159, 101-2160 profile: 101-2158											

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 14, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 032
Height in meters captured above ground surface:					
Species: MYSE	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g):	Transmitter Attached? If so: (mHz)
Time of Capture: 2142	Photo Taken: Yes / No	WNS Wing Score: Ø	Wing Photo ID:	Remarks:	
Body Measurements (grams and millimeters) Ear: 17 Tragus: 10 Fore-arm: 36 Hind Foot: 9 Recapture: Yes/No: N Band Information (if banded) Band Males on bat's RIGHT fa., Females on bat's LEFT fa. Band Recapture: Yes/No: N Band Material: - Band Color: - Band Inscription: - Band Left/Right: -					
Site Name Or Number: S-4	Date: Oct 14, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 033
Height in meters captured above ground surface:					
Species: MYSE	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 20	Transmitter Attached? If so: (mHz)
Time of Capture: 2200	Photo Taken: Yes / No	WNS Wing Score: Ø	Wing Photo ID:	Remarks:	
Body Measurements (grams and millimeters) Ear: 17 Tragus: 10 Fore-arm: 36 Hind Foot: 9 Recapture: Yes/No: N Band Information (if banded) Band Males on bat's RIGHT fa., Females on bat's LEFT fa. Band Recapture: Yes/No: N Band Material: - Band Color: - Band Inscription: - Band Left/Right: -					
Site Name Or Number: S-4	Date: Oct 14, 2012	Set No.	Captured In:	Name of Person Identifying the Bat: Ryan Slack	*Capture Number: 034
Height in meters captured above ground surface:					
Species: PESU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 65	Transmitter Attached? If so: (mHz)
Time of Capture: 2212	Photo Taken: Yes / No	WNS Wing Score: Ø	Wing Photo ID:	Remarks:	
Body Measurements (grams and millimeters) Ear: 11 Tragus: 5 Fore-arm: 35 Hind Foot: 9 Recapture: Yes/No: N Band Information (if banded) Band Males on bat's RIGHT fa., Females on bat's LEFT fa. Band Recapture: Yes/No: N Band Material: - Band Color: - Band Inscription: - Band Left/Right: -					

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>S-4</u>		Date: <u>Oct 14 2012</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Ryan Slack</u>	*Capture Number: <u>D35</u>
Height in meters captured above ground surface:		Transmitter Attached? If so: Frequency (mHz)			
Species <u>PE-SU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>6.9</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Photo Taken <u>Yes</u> / No	WNS Wing Score <u>Ø</u>	Wing Photo ID: <u>101-2169, 101-2170</u>	Remarks: <u>Profile: 101-2168</u>	Recapture Yes/No <u>N</u>	Band Material <u>---</u>
Time of Capture <u>2220</u>	Photo Taken <u>Yes</u> / No	WNS Wing Score <u>Ø</u>	Wing Photo ID: <u>101-2172, 101-2173</u>	Recapture Yes/No <u>N</u>	Band Material <u>---</u>
Time of Capture <u>2220</u>		Photo Taken <u>Yes</u> / No	WNS Wing Score <u>Ø</u>	Wing Photo ID: <u>101-2171</u>	Remarks: <u>Profile: 101-2171</u>
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, SCR = scrotal epididymis swollen					
Site Name Or Number: <u>S-4</u>		Date: <u>Oct 14 2012</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Ryan Slack</u>	*Capture Number: <u>D36</u>
Height in meters captured above ground surface:		Transmitter Attached? If so: Frequency (mHz)			
Species <u>PE-SU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>6.5</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Photo Taken <u>Yes</u> / No	WNS Wing Score <u>Ø</u>	Wing Photo ID: <u>101-2172, 101-2173</u>	Remarks: <u>Profile: 101-2171</u>	Recapture Yes/No <u>N</u>	Band Material <u>---</u>
Time of Capture <u>2220</u>	Photo Taken <u>Yes</u> / No	WNS Wing Score <u>Ø</u>	Wing Photo ID: <u>101-2171</u>	Recapture Yes/No <u>N</u>	Band Material <u>---</u>
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, SCR = scrotal epididymis swollen					
Site Name Or Number: <u>S-4</u>		Date: <u>Oct 14 2012</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>Ryan Slack</u>	*Capture Number: <u>D37</u>
Height in meters captured above ground surface:		Transmitter Attached? If so: Frequency (mHz)			
Species <u>M/SE</u>	Sex <u>F</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>8.5</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Photo Taken <u>Yes</u> / No	WNS Wing Score <u>Ø</u>	Wing Photo ID: <u>101-2175, 101-2176</u>	Remarks: <u>Profile: 101-2174</u>	Recapture Yes/No <u>N</u>	Band Material <u>---</u>
Time of Capture <u>2230</u>	Photo Taken <u>Yes</u> / No	WNS Wing Score <u>Ø</u>	Wing Photo ID: <u>101-2175, 101-2176</u>	Recapture Yes/No <u>N</u>	Band Material <u>---</u>

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>3-4</u>		Date: <u>Oct. 14, 2012</u>		Set No. <u>2</u>		Captured In: <u>101-2178</u>		Name of Person Identifying the Bat: <u>Ryan Slack</u>		*Capture Number: <u>038</u>	
Height in meters captured above ground surface: <u>1</u> m		Body Measurements (grams and millimeters)		Fore- arm <u>32</u>		Hind Foot <u>8</u>		Recapture Yes/No <u>N</u>		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species <u>PESU</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>SCR</u>	Wt. (g) <u>6.5</u>	Ear <u>10</u>	Tragus <u>4</u>	Fore- arm <u>32</u>	Hind Foot <u>8</u>	Recapture Yes/No <u>N</u>	Band Material <u>—</u>	Band Color <u>—</u>
Time of Capture <u>2246</u>		Photo Taken <u>(Yes) / No</u>		WNS Wing Score <u>Ø</u>		Wing Photo ID: <u>101-2178</u>		Remarks: <u>Refuse: 101-2177</u>		Transmitter Attached? If so: Frequency (MHz) <u>—</u>	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen											
Site Name Or Number:		Date:		Set No.		Captured In:		Name of Person Identifying the Bat:		*Capture Number:	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Fore- arm		Hind Foot		Recapture Yes/No		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Recapture Yes/No	Band Material	Band Color
Time of Capture		Photo Taken Yes / No		WNS Wing Score		Wing Photo ID:		Remarks:		Transmitter Attached? If so: Frequency (MHz)	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen											
Site Name Or Number:		Date:		Set No.		Captured In:		Name of Person Identifying the Bat:		*Capture Number:	
Height in meters captured above ground surface:		Body Measurements (grams and millimeters)		Fore- arm		Hind Foot		Recapture Yes/No		Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	
Species	Sex	Age	Repro. Condition	Wt. (g)	Ear	Tragus	Fore- arm	Hind Foot	Recapture Yes/No	Band Material	Band Color
Time of Capture		Photo Taken Yes / No		WNS Wing Score		Wing Photo ID:		Remarks:		Transmitter Attached? If so: Frequency (MHz)	
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen											

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number:		Date:		Set No.		Captured In:		Name of Person Identifying the Bat:		*Capture Number:	
5-4		Oct 15, 2012						Ryan Slack		D39	
Height in meters captured above ground surface:											
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Wing	Photo ID	Remarks:	
MYSE	M	A	SCR	6.5	33	9	16	101-2127	101-2127	101-2127	
Time of Capture											
1906											
Photo Taken											
Yes / No											
WNS Wing Score											
Ø											
Repro. Condition											
NR											
Transmitter Attached? If so: (mHz)											
-											

Site Name Or Number:		Date:		Set No.		Captured In:		Name of Person Identifying the Bat:		*Capture Number:	
5-4		Oct 15, 2012						Ryan Slack		D40	
Height in meters captured above ground surface:											
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Wing	Photo ID	Remarks:	
MYLU	M	A	SCR	8.0	35	8	10	101-2184	101-2185	101-2185	
Time of Capture											
1906											
Photo Taken											
Yes / No											
WNS Wing Score											
Ø											
Repro. Condition											
NR											
Transmitter Attached? If so: (mHz)											
-											

Site Name Or Number:		Date:		Set No.		Captured In:		Name of Person Identifying the Bat:		*Capture Number:	
5-4		Oct 15, 2012						Ryan Slack		D41	
Height in meters captured above ground surface:											
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Tragus	Ear	Wing	Photo ID	Remarks:	
MYSE	F	A	NR	8.0	35	10	17	101-2127	101-2128	101-2128	
Time of Capture											
1936											
Photo Taken											
Yes / No											
WNS Wing Score											
Ø											
Repro. Condition											
NR											
Transmitter Attached? If so: (mHz)											
-											

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number:	S-4		Date:	Oct 15, 2012		Set No.	Captured In:		Name of Person Identifying the Bat:	Ryan Slack		*Capture Number:	D42		
Height in meters captured above ground surface:															
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore- arm	Tragus	Ear	Fore- hind	Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
MYLU	M	A	SCR	7.5	35	5	11		9	N	-	-	-	-	-
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID: 101-2192, 101-2194											
2006	Yes/No	Ø		Remarks: Profile; 101-2192											
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen															
Site Name Or Number:	S-4		Date:	Oct 15, 2012		Set No.	Captured In:		Name of Person Identifying the Bat:	Ryan Slack		*Capture Number:	D43		
Height in meters captured above ground surface:															
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore- arm	Tragus	Ear	Fore- hind	Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
MYLU	M	A	SCR	7.0	34	4	16		8	-	-	-	-	-	-
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID: 101-2196, 101-2198											
2006	Yes/No	Ø		Remarks: Profile; 101-2196											
Repro Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen															
Site Name Or Number:	S-4		Date:	Oct 15, 2012		Set No.	Captured In:		Name of Person Identifying the Bat:	Ryan Slack		*Capture Number:	D44		
Height in meters captured above ground surface:															
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore- arm	Tragus	Ear	Fore- hind	Foot	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
PLESU	M	A	SCR	6.5	37	5	11		8	N	-	-	-	-	-
Time of Capture	Photo Taken	WNS Wing Score		Wing Photo ID: 101-2200, 101-2201											
2036	Yes/No	Ø		Remarks: Profile; 101-2199											

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis sodalis*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number:		Date:		Set No.		Captured In:		Name of Person Identifying the Bat:		*Capture Number:				
154		04/15/2012						Ryan Slack		045				
Height in meters captured above ground surface:														
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Hind Foot	Tragus	Ear	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
MYSE	M	A	SCR	75	35	9	9	16	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
									N	—	—	—	—	—
Time of Capture		Photo Taken		WNS Wing Score		Wing Photo ID:								
2036		(Yes / No)		Ø		101-2204, 101-2205								
Remarks: Profile: 101-2203														
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														
Site Name Or Number:		Date:		Set No.		Captured In:		Name of Person Identifying the Bat:		*Capture Number:				
Height in meters captured above ground surface:														
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Hind Foot	Tragus	Ear	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
									Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture		Photo Taken		WNS Wing Score		Wing Photo ID:								
		Yes / No												
Remarks:														
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen														
Site Name Or Number:		Date:		Set No.		Captured In:		Name of Person Identifying the Bat:		*Capture Number:				
Height in meters captured above ground surface:														
Species	Sex	Age	Repro. Condition	Wt. (g)	Fore-arm	Hind Foot	Tragus	Ear	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)					
									Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture		Photo Taken		WNS Wing Score		Wing Photo ID:								
		Yes / No												
Remarks:														

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 17, 2012	Set No. Captured In: —	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: D46
Height in meters captured above ground surface: — m				
Species: <i>Myotis</i>	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 7.75
Photo Taken: Yes / No	WNS Wing Score: 0	Fore-arm: 26	Hind Foot: 6	Ear: 17
Time of Capture: 2030	Wing Photo ID: 101-2207, 101-2208	Remarks: Photos 101-2207		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: S-4	Date: Oct 17, 2012	Set No. Captured In: —	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: D47
Height in meters captured above ground surface: — m				
Species: <i>Myotis</i>	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.25
Photo Taken: Yes / No	WNS Wing Score: 0	Fore-arm: 33	Hind Foot: 6	Ear: 11
Time of Capture: 2044	Wing Photo ID: 101-2211, 101-2212	Remarks: Photos 101-2211		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: S-4	Date: Oct 17, 2012	Set No. Captured In: —	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: D48
Height in meters captured above ground surface: — m				
Species: <i>Myotis</i>	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 7.25
Photo Taken: Yes / No	WNS Wing Score: 0	Fore-arm: 26	Hind Foot: 6	Ear: 16
Time of Capture: 2115	Wing Photo ID: 101-2215, 101-2216	Remarks: Photos 101-2215		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 17, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: D49
Height in meters captured above ground surface: m	Repro. Condition: SCR	Age: A	Sex: M	Species: MYLU
Wt. (g): 7.22	Fore-arm: 84	Hind Foot: 7	Recapture Yes/No: Yes	Band Material: Color
WNS Wing Score: 0	Ear: 13	Tragus: 5	Band Inscription: PAGC	Band on Left/Right: Right
Photo Taken: Yes / No	Wing Photo ID: 101 - 2011-01-23-18	Remarks: Profits 0-2-2012		
Time of Capture: 2137				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotinal epididymis swollen				
Site Name Or Number: S-4	Date: Oct 17, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: D50
Height in meters captured above ground surface: m	Repro. Condition: NR	Age: A	Sex: M	Species: MYSE
Wt. (g): NR	Fore-arm: NR	Hind Foot: NR	Recapture Yes/No: Yes	Band Material: Color
WNS Wing Score: NR	Ear: NR	Tragus: NR	Band Inscription: PAGC	Band on Left/Right: Right
Photo Taken: Yes / No	Wing Photo ID: NR	Remarks: NR		
Time of Capture: 2137				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotinal epididymis swollen				
Site Name Or Number: S-4	Date: Oct 17, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: D51
Height in meters captured above ground surface: m	Repro. Condition: SCR	Age: A	Sex: M	Species: MYLU
Wt. (g): 5.94	Fore-arm: 84	Hind Foot: 7	Recapture Yes/No: Yes	Band Material: Color
WNS Wing Score: 0	Ear: 13	Tragus: 5	Band Inscription: PAGC	Band on Left/Right: Right
Photo Taken: Yes / No	Wing Photo ID: NR	Remarks: NR		
Time of Capture: 2137				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post-lactating, SCR = serotinal epididymis swollen				

*Capture Number = number in sequence by site.

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 17, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: D52
Height in meters captured above ground surface: - m				
Species MYSE	Sex F	Age A	Repro. Condition NR	Wt. (g) 7.75
Photo Taken <input checked="" type="checkbox"/> Yes / No	WNS Wing Score O	Fore- arm 36	Tragus 7	Ear 16
Time of Capture 2148	Wing Photo ID: 101-2222, 101-2223	Remarks: Profile: 101-2221		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: S-4	Date: Oct 17, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: D53
Height in meters captured above ground surface: - m				
Species MYSE	Sex M	Age A	Repro. Condition SCR	Wt. (g) 7
Photo Taken <input checked="" type="checkbox"/> Yes / No	WNS Wing Score O	Fore- arm 36	Tragus 8	Ear 16
Time of Capture 2203	Wing Photo ID: 101-2225, 101-2226	Remarks: Profile: 101-2224		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number: S-4	Date: Oct 17, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	*Capture Number: D54
Height in meters captured above ground surface: - m				
Species MYSE	Sex F	Age A	Repro. Condition NR	Wt. (g) 7.75
Photo Taken <input checked="" type="checkbox"/> Yes / No	WNS Wing Score O	Fore- arm 36	Tragus 7	Ear 16
Time of Capture 2223	Wing Photo ID: 101-2229, 101-2230	Remarks: Profile: 101-2233		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				

*Capture Number = number in sequence by site.

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Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number:	S-4		Date:	Oct 17, 2012	Set No.	Captured In:		Name of Person Identifying the Bat:	Jack Basiger	Capture Number:	055														
Height in meters captured above ground surface:																									
Species	MYLU	Sex	M	Age	A	Repro. Condition	SCR	Wt. (g)	8.5	Ear	12	5	Tragus	arm	36	Fore- arm	Hind Foot	6	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture	2223	Photo Taken	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No		Remarks: Wing: No wing pics Profile: 101-2235																				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen																									
Site Name Or Number:	S-4		Date:	Oct 17, 2012	Set No.	Captured In:		Name of Person Identifying the Bat:	Jack Basiger	Capture Number:	056														
Height in meters captured above ground surface:																									
Species	MYLU	Sex	M	Age	A	Repro. Condition	QR	Wt. (g)	8.5	Ear	12	4	Tragus	arm	37	Fore- arm	Hind Foot	8	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture	2251	Photo Taken	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No		Remarks: Wing: 101-2237, 101-2238 Profile: 101-2236																				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen																									
Site Name Or Number:	S-4		Date:	Oct 17, 2012	Set No.	Captured In:		Name of Person Identifying the Bat:	Jack Basiger	Capture Number:	057														
Height in meters captured above ground surface:																									
Species	MYSE	Sex	F	Age	A	Repro. Condition	NR	Wt. (g)	7.75	Ear	17	8	Tragus	arm	35	Fore- arm	Hind Foot	7	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)	Recapture Yes/No	Band Material	Band Color	Band Inscription	Band on Left/Right	Transmitter Attached? If so: Frequency (mHz)
Time of Capture	2251	Photo Taken	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No		Remarks: 101-2240, 101-2241 101-2239																				
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen																									

(Capture Number = Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

Bat Measurement and Capture Data Form(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 17, 2012	Set No. Captured In:	Name of Person Identifying the Bat: Zack Basinger	Capture Number: 058
Height in meters captured above ground surface:				
Species: PESU	Repro. Condition: SCR	Wt. (g): 7	Ear: 11	Tragus: 4
		Fore-arm: 33	Hind Foot: 8	
Time of Capture: 2251	Photo Taken: Yes / No	Remarks: 101-2242 101-2243, 101-2244		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number:	Date:	Set No. Captured In:	Name of Person Identifying the Bat:	Capture Number:
Height in meters captured above ground surface:				
Species:	Repro. Condition:	Wt. (g):	Ear:	Tragus:
		Fore-arm:	Hind Foot:	
Time of Capture:	Photo Taken: Yes / No	Remarks:		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number:	Date:	Set No. Captured In:	Name of Person Identifying the Bat:	Capture Number:
Height in meters captured above ground surface:				
Species:	Repro. Condition:	Wt. (g):	Ear:	Tragus:
		Fore-arm:	Hind Foot:	
Time of Capture:	Photo Taken: Yes / No	Remarks:		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				
Site Name Or Number:	Date:	Set No. Captured In:	Name of Person Identifying the Bat:	Capture Number:
Height in meters captured above ground surface:				
Species:	Repro. Condition:	Wt. (g):	Ear:	Tragus:
		Fore-arm:	Hind Foot:	
Time of Capture:	Photo Taken: Yes / No	Remarks:		
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal epididymis swollen				

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: <u>Site #4; SR6219-020</u>		Date: <u>10/18/2012</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>J. Zyzus</u>	*Capture Number: <u>E1</u>
Height in meters captured above ground surface:					
Species <u>My. se</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>Scr</u>	Wt. (g) <u>7.4</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Photo Taken Yes / No		WNS Wing Score		Recapture Yes/No <u>Y</u>	Band Material <u>Metal</u>
Time of Capture <u>19:45</u>		Wing Photo ID:		Band Color <u>Silver</u>	Band on Left/Right <u>R</u>
Remarks:		Transmitter Attached? If so: Frequency (MHz)			
<p>Repeat Condition: NR = non-reproductive, PG = pregnant, L = lactating, FI = post lactating, SCR = sexual condition, SV = swollen</p>					
Site Name Or Number: <u>Site #4; SR6219-020</u>		Date: <u>10/18/2012</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>J. Zyzus</u>	*Capture Number: <u>E2</u>
Height in meters captured above ground surface:					
Species <u>My. se</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>NR</u>	Wt. (g) <u>7.7</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Photo Taken Yes / No		WNS Wing Score		Recapture Yes/No <u>Y</u>	Band Material <u>Metal</u>
Time of Capture <u>19:45</u>		Wing Photo ID:		Band Color <u>Silver</u>	Band on Left/Right <u>R</u>
Remarks:		Transmitter Attached? If so: Frequency (MHz)			
<p>Repeat Condition: NR = non-reproductive, PG = pregnant, L = lactating, FI = post lactating, SCR = sexual condition, SV = swollen</p>					
Site Name Or Number: <u>Site #4; SR6219-020</u>		Date: <u>10/18/2012</u>	Set No. Captured In:	Name of Person Identifying the Bat: <u>J. Zyzus</u>	*Capture Number: <u>E3</u>
Height in meters captured above ground surface:					
Species <u>Pe. sh</u>	Sex <u>M</u>	Age <u>A</u>	Repro. Condition <u>Scr</u>	Wt. (g) <u>5.5</u>	Band Information (if banded) (Band Males on bat's RIGHT fa., Females on bat's LEFT fa.)
Photo Taken Yes / No		WNS Wing Score		Recapture Yes/No <u>N</u>	Band Material
Time of Capture <u>20:05</u>		Wing Photo ID:		Band Color	Band on Left/Right
Remarks:		Transmitter Attached? If so: Frequency (MHz)			

Remarks: 7012-2014 = photos

Bat Measurement and Capture Data Form

(Complete for all (1) *Myotis sodalis*, (2) *Myotis leibii*, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.)

Site Name Site #4, SR60219-020 Date: 10/18/2012 Set No. 1 Name of Person Identifying the Bat: J. Zeytus *Capture Number: E4

Height in meters captured above ground surface: _____

Species	Sex	Age	Repro. Condition	Wt. (g)	Body Measurements (grams and millimeters)			Wing Photo ID:	Remarks:	Band Information (if banded)					Transmitter Attached? If so: Frequency (MHz)
					Ear	Tragus	Fore-arm			Hind Foot	Recapture Yes/No	Material	Band Color	Band Inscription	
<u>MyLU</u>	<u>M</u>	<u>A</u>	<u>Scr</u>	<u>7.4</u>						<u>Y</u>	<u>Metal</u>	<u>Silver</u>	<u>55946</u>		<u>R</u>
Time of Capture	<u>23:00</u>		Photo Taken Yes / No	<u>(Yes)</u> / <u>(No)</u>		WNS Wing Score									

Site Name Site #4, SR60219-020 Date: 10/18/2012 Set No. 1 Name of Person Identifying the Bat: J. Zeytus *Capture Number: E5

Height in meters captured above ground surface: _____

Species	Sex	Age	Repro. Condition	Wt. (g)	Body Measurements (grams and millimeters)			Wing Photo ID:	Remarks:	Band Information (if banded)					Transmitter Attached? If so: Frequency (MHz)
					Ear	Tragus	Fore-arm			Hind Foot	Recapture Yes/No	Material	Band Color	Band Inscription	
<u>PESU</u>	<u>M</u>	<u>A</u>	<u>Scr</u>												
Time of Capture	<u>23:30</u>		Photo Taken Yes / No	<u>(Yes)</u> / <u>(No)</u>		WNS Wing Score									

Site Name _____ Date: _____ Set No. _____ Name of Person Identifying the Bat: _____ *Capture Number: _____

Height in meters captured above ground surface: _____

Species	Sex	Age	Repro. Condition	Wt. (g)	Body Measurements (grams and millimeters)			Wing Photo ID:	Remarks:	Band Information (if banded)					Transmitter Attached? If so: Frequency (MHz)
					Ear	Tragus	Fore-arm			Hind Foot	Recapture Yes/No	Material	Band Color	Band Inscription	
Time of Capture			Photo Taken Yes / No			WNS Wing Score									

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Bat Measurement and Capture Data Form(Complete for all (1) Myotis sodalis, (2) Myotis leibii, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA)

Site Name Or Number: S-4	Date: Oct 19, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	Capture Number: F1
Height in meters captured above ground surface:				
Species: MYLU	Sex: F	Age: A	Repro. Condition: NR	Wt. (g): 9.5
	Ear: 10	Tragus: 3	Fore-arm: 37	Hind Foot: 9
Time of Capture: 1923	Remarks: Wing: 101 - 2256, 101 - 2257 Paw: 101 - 2255			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 19, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	Capture Number: F2
Height in meters captured above ground surface:				
Species: MYSE	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.5
	Ear: 14	Tragus: 6	Fore-arm: 35	Hind Foot: 7
Time of Capture: 1951	Remarks: Wing: 101 - 2260, 101 - 2261 Paw: 101 - 2258			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 19, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	Capture Number: F3
Height in meters captured above ground surface:				
Species: MYSE	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.5
	Ear: 14	Tragus: 6	Fore-arm: 35	Hind Foot: 7
Time of Capture: 2040	Remarks: Wing: 101 - 2260, 101 - 2261 Paw: 101 - 2258			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				
Site Name Or Number: S-4	Date: Oct 19, 2012	Set No. Captured In: -	Name of Person Identifying the Bat: Jack Basiger	Capture Number: F3
Height in meters captured above ground surface:				
Species: MYSE	Sex: M	Age: A	Repro. Condition: SCR	Wt. (g): 7.5
	Ear: 14	Tragus: 6	Fore-arm: 35	Hind Foot: 7
Time of Capture: 2040	Remarks: Wing: 101 - 2260, 101 - 2261 Paw: 101 - 2258			
Repro. Condition: NR = nonreproductive, PG = pregnant, L = lactating, PL = post lactating, SCR = scrotal/epididymis swollen				

(Capture Number = Unique code to identify the capture. If the bat is banded, the band no. can be the unique number.)

PIPE SITE 5

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10/9/12 2. Company Name: Stelly & Co, INC

3. Bat Identifier: J. Zelyus 4. Assistants: L.
(Responsible Recorder)

5. Site Name and/or Number: SR 6219, Sect 020, Site #5

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

7a. If hibernation site circle one: limestone mine, coal mine, limestone cave, sandstone cave, RR tunnel,

other structure, describe - terracotta pipe in historic mining

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

8. County: Somerset 9. 7.5' Quad.: Meyersdale

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S): Latitude: 39° 52' 21.3" N, Longitude: 79° 02' 40.9" W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDot District 9-0 Environmental Manager, Tom Vacuum: (814) 696-7224

13. Time (military) & Temperature: Start Time 1815 h Stop Time 2315 h Total Minutes: 300

Start Temp. 9.75 °C End Temp 0.25 °C (must stay ≥10 °C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Net	1	2.6m x 2.6m	Placed in front of Pipe	6.76m ²
2	Acoustic Detector	1	—	Placed about 12ft in front of Pipe	—
3	IR camcorder	1	—	Placed about 12ft in front of Pipe	—

Total Capture Area: 6.76 sq. m

18:15 = 9.75°C , Calm, mostly clear,

18:45 = 9.5°C , Calm, mostly, clear

19:15 = 7.0°C , Calm, mostly cloudy, no precipitation.

19:45 = 5.5°C , Calm, partly, cloudy

20:15 = 4.5°C , Calm, clear.

20:50 = 3.0°C , Calm, clear.

21:20 = 2.5°C , Calm, clear.

22:12 = 1.0°C , clear, calm.

22:43 = 1°C , 2°C (blue therm.), -1°C (fridge therm.)

✓
purple Clear, calm

23:15 = 0.25°C ; 1.5°C ; -2.5°C , clear, calm.

↓
purple
therm.

↓
blue
therm.

↓
refrigerator
therm.

(Site Survey Record – Continued)

Site Name/No.:

SR6719, Set 000, #5

Date:

10/09/2012

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

Early successional deciduous forest, dominant canopy cover
musclewood, black birch. Pipe is located within a steep slope bank
of Fogletown Road, down slope is an historic mill bed or haul road.
18. Was reproductive status checked? YES / NO (if "NO" only enter numbers in Total columns)
Pipe located within historic mine. 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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 0

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 18:15	Start Time: 19:15	Start Time: 20:15	Start Time: 21:15	Start Time: 22:15
End Time: 19:14	End Time: 20:14	End Time: 21:14	End Time: 22:14	End Time: 23:15
Tallies: 0	Tallies: 0	Tallies: 0	Tallies: 0	Tallies: 0

20. REMARKS:

PennDot requested that surveys continued beyond the first two hours even though first two hours did not meet protocol temperatures.

↓ moderate
slope

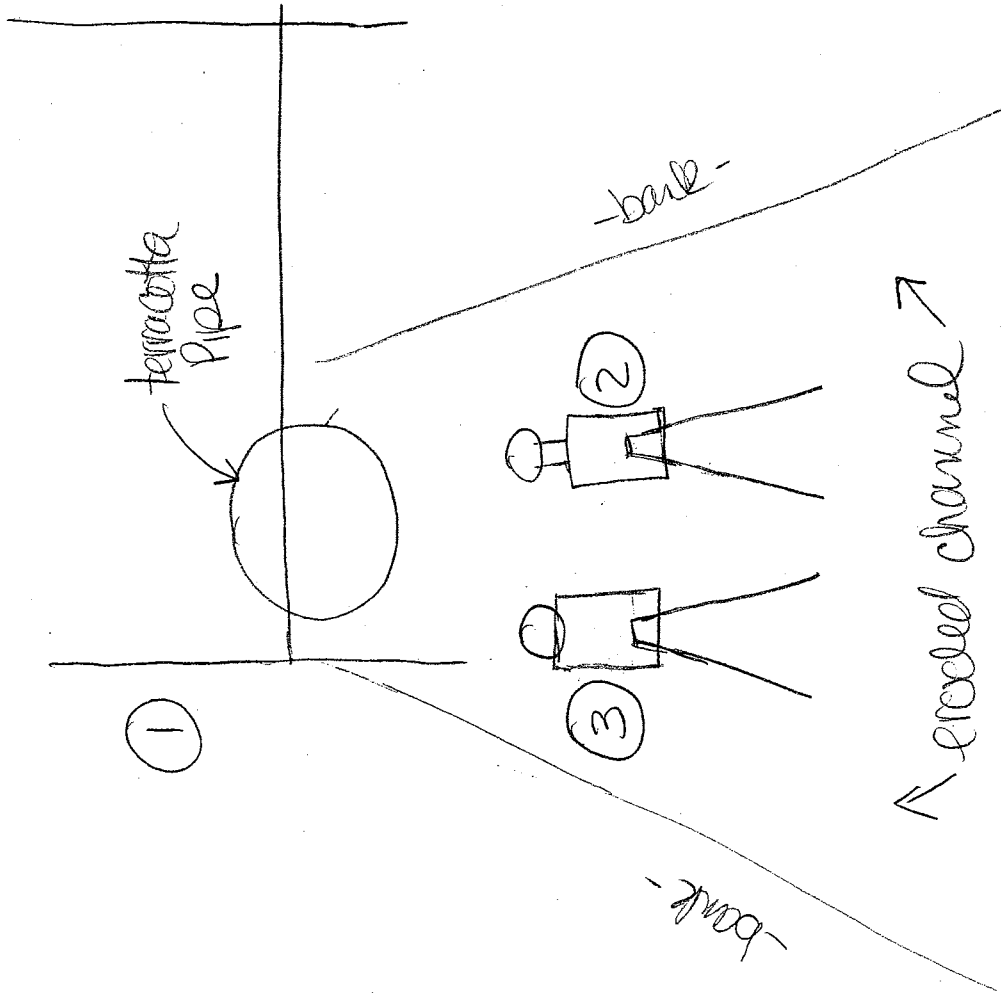
- mid-successional deciduous
forest or grasses -
(Dirt/Gravel Road)

↓ moderate
slope

↓ steep
slope

↓ steep
slope

- only to
mid-successional
deciduous
forest -



BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10-13-12 2. Company Name: Skelly + Loy

3. Bat Identifier: Mary Gilmore 4. Assistants: Trent Sustich
(Responsible Recorder)

5. Site Name and/or Number: SR629, Section 020, Site #5

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

7a. If hibernation site circle one: limestone mine, coal mine, limestone cave, sandstone cave, RR tunnel,

other structure, describe - terracotta pipe in historic mining area.

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

NA

8. County: Somerset 9. 7.5' Quad.: Meyersdale

10. Was site GPS'd (required)? (YES) NO

11. Geographic Coordinates (D-M-S): Latitude: 39° 52' 21.3" N, Longitude: 79° 02' 40.9" W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDOT District 9-C Environmental Manager, Tom Yocum (814) 696-7224

13. Time (military) & Temperature: Start Time 18:05 h Stop Time 23:05 h Total Minutes: 300

Start Temp. 11.5 °C End Temp. 5.2 °C (must stay ≥10 °C for summer netting)

14. General Weather (circle one): Clear; (Partly Cloudy) Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Net	1	2.6m x 2.6m	Placed directly in front of pipe	6.76 m ²
2	Acoustic Detector	1	—	Placed 12 feet in front of pipe	—
3	IR Camcorder	1	—	Placed 12 feet in front of pipe	—

Total Capture Area: 6.76 sq. m

<u>Time</u>	<u>°C</u>	<u>Clouds?</u>	<u>Precip?</u>	<u>wind</u>
6:05p	11.5	partly cloudy	no	calm
6:35p	9.5	mostly clear	no	calm
7:05p	8.5	mostly clear	no	calm
7:35p	7.9	mostly clear	no	calm
8:05p	6.9	clear	no	calm
8:35p	6.0	clear	no	calm
9:05p	5.2	clear	no	calm
9:35p	5.2	cloudy	no	calm
10:05p	5.2	partly cloudy	no	calm
10:35p	5.2	partly cloudy	no	calm
11:05p	5.2	partly cloudy	no	calm

(Site Survey Record – Continued)

Site Name/No.:

SR6219-026-Site #5

Date:

10-13-12

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

Refer to description on 10/9/12 Bat Netting/Trapping Site Survey Record data form.

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 0

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 18:05	Start Time: 19:05	Start Time: 20:05	Start Time: 21:05	Start Time: 22:05
End Time: 19:04	End Time: 20:04	End Time: 21:04	End Time: 22:04	End Time: 23:05
Tallies: 0	Tallies: 0	Tallies: 0	Tallies: 0	Tallies: 0

20. REMARKS:

Refer to 10/9/12 Bat Netting/Trapping Site Survey Record data form for site sketch.

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 10-14-12 2. Company Name: Skelly + Loy

3. Bat Identifier: Mary Gilmore (Responsible Recorder) 4. Assistants: Trent Sushich

5. Site Name and/or Number: SR629, Section 020, Site #5

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

7a. If hibernation site circle one: limestone mine, coal mine, limestone cave, sandstone cave, RR tunnel,
other structure, describe - terracotta pipe in historic mine

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

8. County: Somerset 9. 7.5' Quad.: Meyersdale

10. Was site GPS'd (required)? YES - NO

11. Geographic Coordinates (D-M-S): Latitude: 39° 52' 21.3" N, Longitude: 79° 02' 40.9" W

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

12. Ownership and Access: (Who owns site or controls access? Give name and address.) Contact PennDot
District 9-C Environmental Manager, Tom Yorum: (814) 696-7224

13. Time (military) & Temperature: Start Time 18:05h Stop Time 23:05h Total Minutes: 300

Start Temp. 19.5 °C End Temp. 12.2 °C (must stay ≥10 °C for summer netting)

14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain;
(suspend netting during periods of rain) Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Net	1	2.6m x 2.6m	placed directly in front of pipe	6.76m ²
2	Acoustic Detector	1	—	placed 12 feet in front of pipe	—
3	IR Camcorder	1	—	placed 12 feet in front of pipe	—

Total Capture Area: 6.76 sq. m

<u>Time</u>	<u>°C</u>	<u>Clouds</u>	<u>Precip</u>	<u>Wind</u>
6:05p	19.5	partly cloudy	no	calm
6:35p	18.5	mostly clear	no	calm
7:05p	17.9	partly cloudy	no	calm
7:35p	16.0	mostly cloudy	no	calm
8:05p	15.0	cloudy	no	calm
8:35p	13.9	partly cloudy	no	calm
9:05p	13.5	partly cloudy	no	calm
9:35p	13.1	mostly cloudy	no	calm
10:05p	12.8	partly cloudy	no	calm
10:35p	12.0	partly cloudy	no	calm
11:05p	12.2	cloudy	no	calm

(Site Survey Record - Continued)

Site Name/No.: SR679-10-Site #5

Date: 10-14-12

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

Refer to description on 10/9/12 Bat Netting / Trapping Site Survey Record data form.

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>Perimyotis subflavus</i>											
<i>Lasiurus borealis</i>											
<i>Lasiurus cinereus</i>											
<i>Lasionycteris noctivagans</i>											
Other - specify:											
Other - specify:											
<p><u>Reproductive Status:</u> NR= nonreproductive, PG= pregnant, L= lactating, PL= post lactating, SCR= scrotal/epididymis swollen.</p> <p>*Complete Measurement and Capture Data Form for all:</p> <p>(1) <i>Myotis sodalis</i>, (2) <i>Myotis leibii</i>, (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.</p>											Grand Total ϕ

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: <u>18:05</u>	Start Time: <u>19:05</u>	Start Time: <u>20:05</u>	Start Time: <u>21:05</u>	Start Time: <u>22:05</u>
End Time: <u>19:04</u>	End Time: <u>20:04</u>	End Time: <u>21:04</u>	End Time: <u>22:04</u>	End Time: <u>23:05</u>
Tallies: ϕ	Tallies: <u>3</u>	Tallies: <u>4</u>	Tallies: <u>2</u>	Tallies: <u>1</u>

20. REMARKS:

- See reverse for acoustic recordings + IR camcorder summary.
- Refer to 10/9/12 Bat Netting / Trapping Site Survey Record data form for site sketch.

Site #5 ~ Acoustic results.

Recordings not eliminated as noise using
noise filter for Analook DOS (not all recordings ^{of calls} on
may represent bat ultrasound);

- ✓ ① 19:12
- ✓ ② 19:29
- ✓ ③ 19:42 *
- ✓ ④ 20:05
- ✓ ⑤ 20:31
- ✓ ⑥ 20:48
- ✓ ⑦ 21:02
- ✓ ⑧ 21:39
- ✓ ⑨ 22:00
- ✓ ⑩ 22:53

No bats were seen entering or leaving the pipe
site #5 at the time of the recordings..

* No video footage available at this time; frequency
of acoustic recording is below 30kHz.

BAT NETTING/TRAPPING SITE SURVEY RECORD

Page 1 of 2

1. Survey Date: 15 Oct 2012 2. Company Name: Skelly & Lay3. Bat Identifier: Mary Gilmore (Responsible Recorder) 4. Assistants: Logan Zugay5. Site Name and/or Number: SR6219, Section 020; Site #56. Site is (circle one): hibernation site ~~(potential)~~ summer habitat

7a. If hibernation site circle one: limestone mine, coal mine, limestone cave, sandstone cave, RR tunnel,

other structure, describe - terracotta pipe in historic mining area

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

NA8. County: Somerset 9. 7.5' Quad: Meysersdale10. Was site GPS'd (required)? YES NO11. Geographic Coordinates (D-M-S): Latitude: 39° 52' 21.3" N, Longitude: 79° 02' 40.9" WDatum (circle one): NAD27 (Preferred), NAD83, WGS84, Other: _____12. Ownership and Access: (Who owns site or controls access? Give name and address.) contact PennDOT District 9-0, Environmental manager, Tom Yocum: (814) 696-722413. Time (military) & Temperature: Start Time 1805 h Stop Time 2305 h Total Minutes: 300Start Temp. 11.1 °C End Temp. 6.9 °C (must stay ≥ 10 °C for summer netting)14. General Weather (circle one): Clear; Partly Cloudy; Mostly Cloudy; Cloudy; Drizzle; Intermittent Rain; (suspend netting during periods of rain)

Steady Rain; Thunderstorms; Snow; Other: _____

15. General Wind Conditions (circle one): Calm, Breezy (Leaves Rustling), Windy (Trees Swaying).

16. Capture Setup at Site:

Set #	Type	Count	Dimensions	Description	TOTAL AREA (m)
1	Nets	4	12m x 2.6m	Stacked over trail	124.8 sq. m
1	Net	1	2.6m x 2.6m	placed directly in front of pipe	6.76m ²
2	Acoustic Detector	1	—	placed 12 feet in front of pipe	—
3	IR camcorder	1	—	placed 12 feet in front of pipe	—

time	temp	Cloud cover	Wind	Precip
1805	11.1°C	mostly cloudy	windy	0
1835	10.5°C	overcast	windy	0
1905	9°C	overcast	windy	light drizzle
1935	8.9°C	overcast	light breeze	none
2005	8.5°C	overcast	calm	none
2035	7.8°C	mostly cloudy	breezy	light drizzle
2105	7.8°C	overcast	breezy	none (falling off tree)
2135	7.5°C	overcast	breezy	light drizzle
2205	7.2°C	overcast	calm-breezy	light drizzle
2235	7°C	overcast	calm-breezy	light drizzle
2305	6.9°C	overcast	calm	none

(Site Survey Record – Continued)

Site Name/No.: SR629-020-Site #5 Date: 15 Oct. 2012

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

Refer to description on 10/9/12 Bat Netting/Trapping Site Survey Record data form.

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>Perimyotis 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. *Complete Measurement and Capture Data Form for all: (1) <i>Myotis sodalis</i> , (2) <i>Myotis leibii</i> , (3) bats you are banding or band recaptures, (4) radio-tagged bats and (5) bat species not usually found in PA.											Grand Total 0

19. BAT DETECTORS & OTHER MONITORING DEVICES: Tallies of bat passes / hour. One to 5 hours required for Indiana bat hibernacula surveys. Monitor one hour after 22:00 hrs when trapping/netting hibernacula and 5 hours when only monitoring with bat detectors, night vision or infrared device (when site can not be trapped/netted). Describe procedure & equipment used in remarks.

1 st hour	2 nd hour	3 rd hour	4 th hour	5 th hour
Start Time: 18:05	Start Time: 19:05	Start Time: 20:05	Start Time: 21:05	Start Time: 22:05
End Time: 19:04	End Time: 20:04	End Time: 21:04	End Time: 22:04	End Time: 23:05
Tallies: 0	Tallies: 0	Tallies: 0	Tallies: 0	Tallies: 0

20. REMARKS: (CEC, Inc. acoustic detector)

Refer to 10/9/12 Bat Netting/Trapping Site Survey Record data form for site sketch.

APPENDIX D - PHOTOGRAPHS



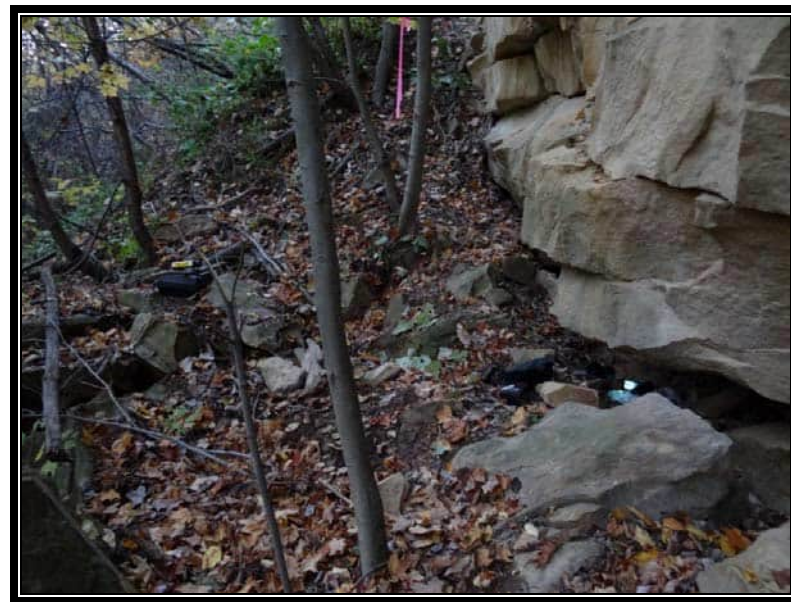
S.R. 6219, Section 020
Bat Hibernaculum Investigation, Investigated Opening
JAZ-3 (Portal Site #1), facing north



S.R. 6219, Section 020
Bat Hibernaculum Investigation, Potential Hibernaculum
Portal Site #1, facing north



S.R. 6219, Section 020
Bat Hibernaculum Investigation, Potential Hibernaculum
Highwall Site #2, Mist Net Survey, facing west



S.R. 6219, Section 020
Bat Hibernaculum Investigation, Potential Hibernaculum
Highwall Site #2, IR Camcorder and Acoustic Survey, facing west



S.R. 6219, Section 020
Bat Hibernaculum Investigation, Potential Hibernaculum
Highwall Site #3, Mist Net Survey, facing northeast



S.R. 6219, Section 020
Bat Hibernaculum Investigation, Potential Hibernaculum
Highwall Site #3, IR Camcorder and Acoustic Survey, facing north



S.R. 6219, Section 020
Bat Hibernaculum Investigation, Investigated Opening
APN-2 (Air Shaft Site #4), facing north



S.R. 6219, Section 020
Bat Hibernaculum Investigation, Potential Hibernaculum
Air Shaft Site #4, facing north



S.R. 6219, Section 020
Bat Hibernaculum Investigation, Investigated Opening
JAZ-2 (Pipe Site #5), facing northwest



S.R. 6219, Section 020
Bat Hibernaculum Investigation, Potential Hibernaculum
Pipe Site #5, facing north



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Female, *Perimyotis subflavus* captured at Site #1
Capture Date: 9/20/12, Capture Number: 03



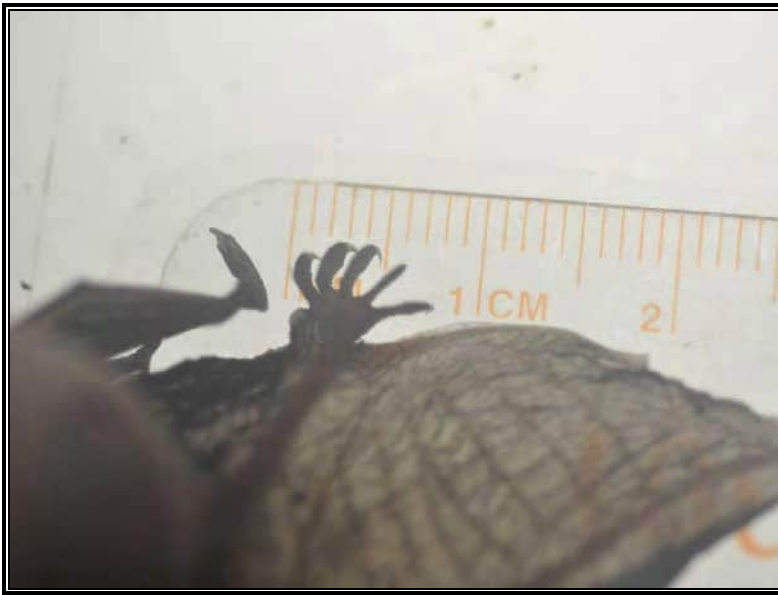
S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis lucifugus* captured at Site #1
Capture Date: 9/22/12, Capture Number: 83



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Female, *Myotis septentrionalis* captured at Site #1
Capture Date: 9/26/12, Capture Number: A01



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Female, *Myotis leibii* captured at Site #1
Capture Date: 10/03/12, Capture Number: B019



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Female, *Myotis leibii* captured at Site #1
Capture Date: 10/03/12, Capture Number: B019



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Eptesicus fuscus* captured at Site #1
Capture Date: 10/03/12, Capture Number: B005



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis septentrionalis* captured at Site #1
Capture Date: 10/03/12, Capture Number: B009



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis lucifugus* captured at Site #1
Capture Date: 10/03/12, Capture Number: B020



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Female, *Perimyotis subflavus* captured at Site #1
Capture Date: 10/03/12, Capture Number: B029



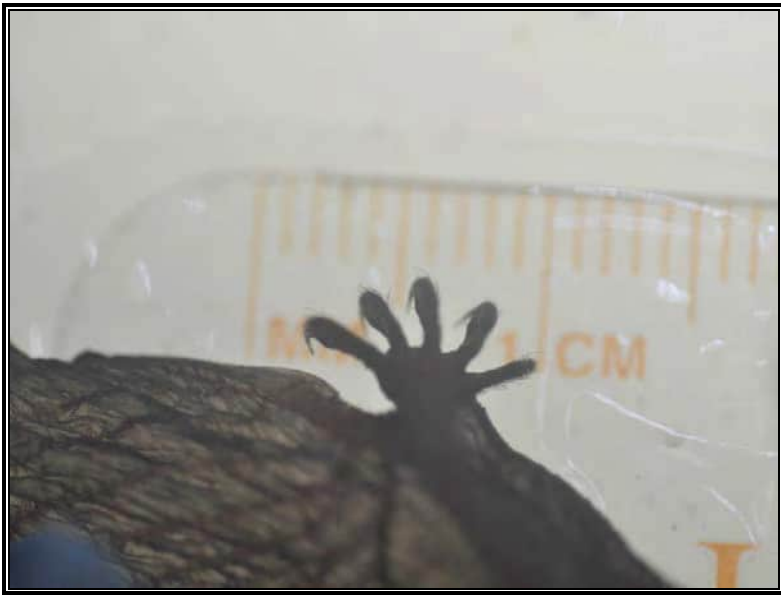
S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Perimyotis subflavus* captured at Site #1
Capture Date: 10/04/12, Capture Number: B043



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis lucifugus* captured at Site #1
Capture Date: 10/04/12, Capture Number: B051



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Female, *Myotis leibii* captured at Site #1
Capture Date: 10/04/12, Capture Number: B072



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Female, *Myotis leibii* captured at Site #1
Capture Date: 10/04/12, Capture Number: B072



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Eptesicus fuscus* captured at Site #1
Capture Date: 10/04/12, Capture Number: B061



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis septentrionalis* captured at Site #1
Capture Date: 10/04/12, Capture Number: B086



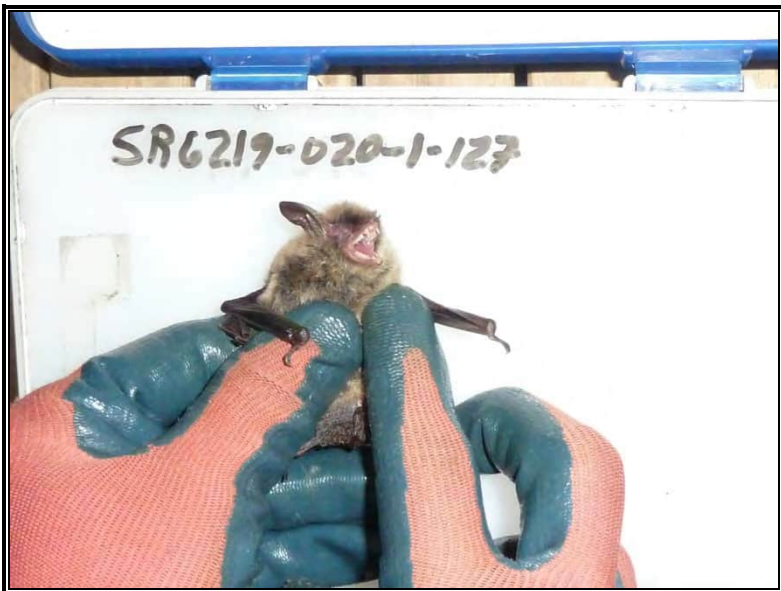
S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis lucifugus* captured at Site #1
Capture Date: 10/13/12, Capture Number: C11



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis septentrionalis* captured at Site #1
Capture Date: 10/13/12, Capture Number: C21



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Female, *Myotis lucifugus* captured at Site #1
Capture Date: 10/14/12, Capture Number: C34



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis septentrionalis* captured at Site #1
Capture Date: 10/17/12, Capture Number: D127



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Perimyotis subflavus* captured at Site #1
Capture Date: 10/18/12, Capture Number: E1



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis septentrionalis* captured at Site #4
Capture Date: 09/21/12, Capture Number: 2



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Perimyotis subflavus* captured at Site #4
Capture Date: 09/25/12, Capture Number: A1



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis septentrionalis* captured at Site #4
Capture Date: 09/26/12, Capture Number: A32



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis septentrionalis* captured at Site #4
Capture Date: 10/01/12, Capture Number: B49



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis septentrionalis* captured at Site #4
Capture Date: 10/03/12, Capture Number: B57



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Female, *Perimyotis subflavus* captured at Site #4
Capture Date: 10/03/12, Capture Number: B56



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Perimyotis subflavus* captured at Site #4
Capture Date: 10/04/12, Capture Number: B78



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis septentrionalis* captured at Site #4
Capture Date: 10/04/12, Capture Number: B104



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Male, *Myotis lucifugus* captured at Site #4
Capture Date: 10/04/12, Capture Number: B120



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Female, *Myotis lucifugus* captured at Site #4
Capture Date: 10/13/12, Capture Number: D25



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Female, *Myotis septentrionalis* captured at Site #4
Capture Date: 10/14/12, Capture Number: D33



S.R. 6219, Section 020, Bat Hibernaculum Investigation
Female, *Myotis lucifugus* captured at Site #4
Capture Date: 10/19/12, Capture Number: F1

APPENDIX E - GEOTECHNICAL REPORTS

TO: Greg Illig, P.E.

FROM: John A. Vitez, P.E.

SUBJECT: Potential Mine Opening MP#2

DATE: October 29, 2012

The purpose of this memo is to discuss how the construction of SR 6219 Section 020 will impact an existing mine opening, identified as MP#2, located approximately 1,931 feet east of the proposed mainline near station 267+50. The existing mine opening is outside of any physical construction limits (see Attachment 1). This memo also addresses surface impacts near the opening and evaluates any subsurface construction that will occur in the vicinity of the mine. Based on a thorough review of the best available information by Skelly & Loy, it is the opinion of Skelly & Loy that the opening is associated with the Moshannon Mine that mined the Lower Freeport D seam. See Skelly & Loy email in Attachment 2.

SUBSURFACE IMPACTS

Blasting: Blasting is anticipated in certain areas of the proposed construction. The closest anticipated blasting area in relation to MP#2 is located near Fogletown Road. This area is located approximately 2,213 feet from the nearest mine workings of the Moshannon Mine.

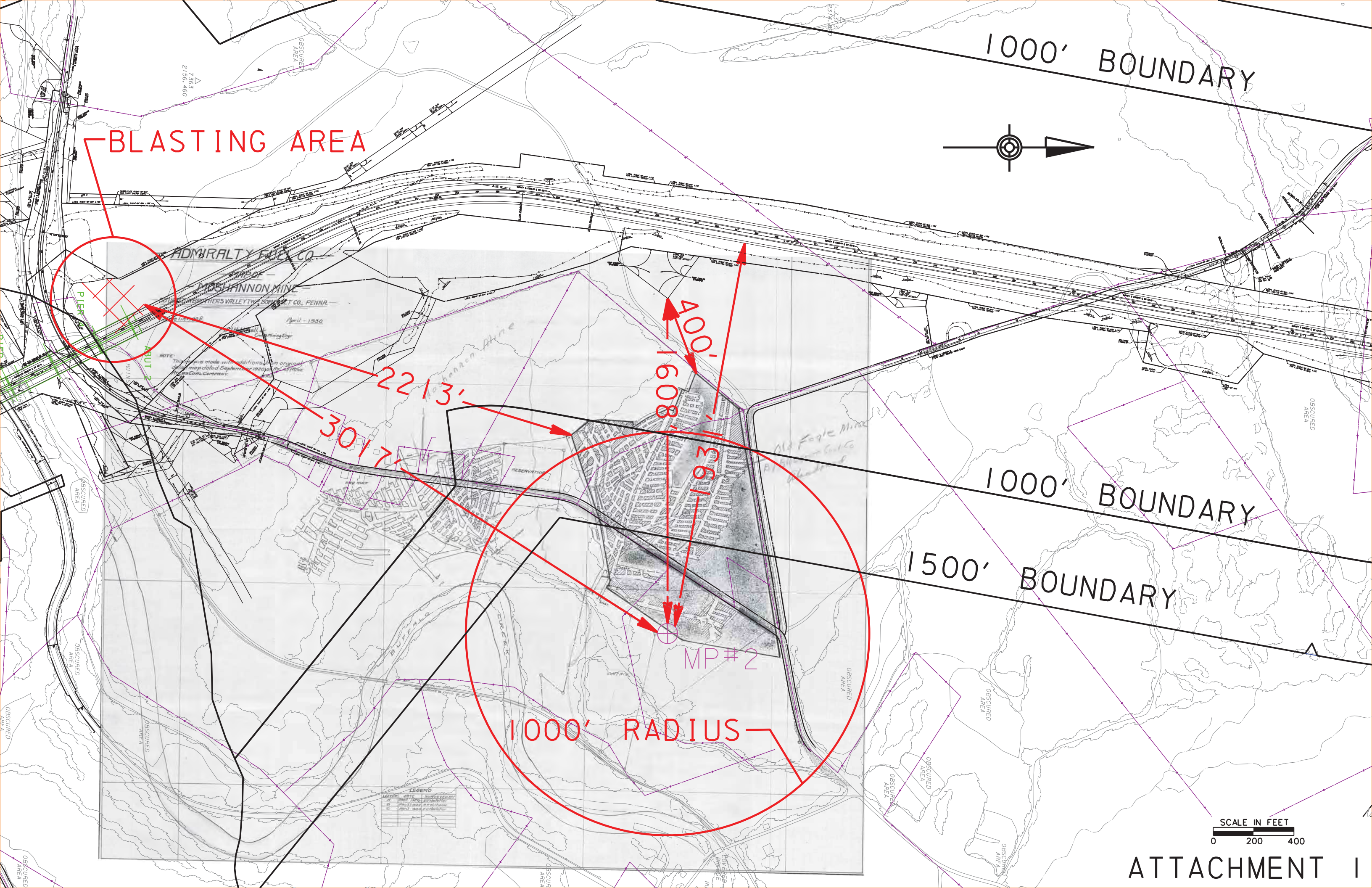
Excavation: The proposed mainline earthwork from Fogletown Road north to station 263+00 is in a fill condition, while from station 263+00 north to Golf Course Road is in cut. The maximum depth of excavation within this area is approximately 17 feet. The construction of Basin K-9, east of station 254+00, will require excavation to complete. The basin is located approximately 1000' from the nearest mine workings of the Moshannon Mine.

SURFACE IMPACTS

There are no surface impacts within 1,000 feet of the mine opening. The nearest surface impact (1,608 feet) is tree clearing and excavation for a sediment basin within a temporary construction easement located east of station 263+50.

CONCLUSIONS

Based on the information presented above, one can conclude that there will be no subsurface impacts to the existing workings of the Moshannon Mine and no surface impacts within 1,000 feet of MP#2. Both the workings and opening should not be affected by construction of the SR 6219-020 project.



Memorandum

To: Greg Illig, PE PennDOT Engineering District 9-0
From: Dennis Bell, PG Skelly and Loy, Inc.
Date: October 1, 2012
Re: MP-2 Opening

Skelly and Loy has completed a thorough review of available geologic and underground mine mapping in the vicinity of the MP-2 opening found as a result of recent file investigations. Based upon this review of underground mine maps, coal seam elevation plots, underground workings mapping, and the location of MP-2, Skelly and Loy is of the opinion that this opening is associated with the Moshannon underground mine complex that produced coal from the Lower Freeport seam and is not at the proper elevation to be able to be associated with the extensive mine workings attributed to the development of the Ponfeigh Mine which extracted coal from the underlying Upper Kittanning coal seam.

To: John Vitez, Project Manager, LR Kimball	
From: Thomas Anthony, P.E.	Project: SR 6219
CC: Rob Dodson, P.E., HDR Geotechnical Section Manager	
Date: November 30, 2012	Job No: 53863
Re: Mine Opening MP #2	

HDR Engineering has reviewed the information provided by Kimball regarding the Moshannon Mine relative to possible impacts that construction activities, specifically blasting of the "high wall" area near the Buffalo Creek Bridge, may have to the mine or the opening. Based on our review of the information provided, HDR does not believe that the proposed construction activities will not have any subsurface impacts to the mine or any surface impacts to the mine opening.

If you require any additional information please contact me.

TO: Greg Illig, P.E.

FROM: John Vitez, P.E.

SUBJECT: Upper Kittanning Mine Openings

DATE: November 1, 2012

The purpose of this memo is to discuss the construction activities associated with the SR 6219-020 project in relation to the two existing mine openings currently used as bat hibernaculum. The first opening is located along Fogletown Road (T-431), approximately 1,420 feet west of the proposed mainline alignment. Second, is an existing air shaft near Althouse Road (T-550), located approximately 1,315 feet east of the proposed mainline alignment. Both openings are located outside of any physical construction limits. This memo also addresses surface impacts within a 1000' radius of the openings and evaluates any subsurface construction that will occur in the vicinity of the mines.

Fogletown Road – Main Mine Opening

Figure 1 shows the relative location between the proposed SR 6219 Section 020 project and the mine opening along Fogletown Road. After a comprehensive review of the WPA and detailed mine maps for the Buffalo / Fogletown area, it was determined, based on the best information available, that the mine opening was associated with Enterprise Coal Company's Ponfeigh Mine No. 1 that mined the Upper Kittanning (C') seam. Figure 2 shows the proposed SR 6219 Section 020 alignments and topographic base mapping overlaid on top of the Ponfeigh Mine No. 1 detailed mine map.

SUBSURFACE IMPACTS

Using Figure 2 as a basis, the shaft associated with the mine opening in question runs to the west of the proposed SR 6219 alignment until it crosses the alignment approximately 1400' north of the proposed Buffalo Creek bridges. At this point, the proposed roadway template for SR 6219 is in a fill condition. According to the core boring information taken in this area, the mine void was encountered approximately 121 feet below the existing ground surface. One can conclude, based on the proposed construction activities in this area, that there will be no physical impact to the main opening or associated shaft.

As part of the design for the proposed Buffalo Creek bridge structures, a "Mining Investigation and Recommendations Report" was prepared by HDR Engineering, Inc. to address the mined conditions for the proposed structures. The report preparation included a review of published and existing mine data, field investigation and laboratory testing, and calculations for design parameters. The results of the study recommended mine stabilization of the mined-out Upper Kittanning coal seam beneath proposed Pier 4 and Abutment 2 and over excavation of an existing high-wall to the bottom of the Lower Freeport coal seam. Figure 3 shows the over excavation (pink hatched area) and potential blasting area (red hatched area) associated with the Lower Freeport coal seam. The blasting area is located approximately 1,210 feet from the main mine opening. Over excavation within this area removes unsuitable material and provides a supply of Best Available Rock for the construction of rock bases and toe benches. The depth of the Upper Kittanning seam is approximately 165' below the foundation of Pier 4 and approximately 265' below the

foundation of Abutment 2. Figure 2 shows the locations of the proposed mine grouting (yellow hatched areas) of the Upper Kittanning coal seam. Under abutment 2, the proposed grouting area is defined by a 105' x 160' area, while the dimensions under pier 4 are 70' x 140'. It is estimated that the proposed plan would grout 0.06% of the entire Upper Kittanning (C') workings. Based on the information presented above, one can conclude that there will be no impact on the main shaft or associated air shaft from the proposed grouting or overexcavation.

SURFACE IMPACTS

Figure 4 shows the extent of surface impacts within a 1000' radius of the mine opening. The surface impacts are a result of tree clearing (green hatched areas) and earthwork activities associated with potential haul roads, potential blasting (red hatched area), storm water basins, and the relocation of Fogletown Road (T-431). It is estimated that 15.34 acres of trees will be cleared within a 1000' radius of the mine opening.

Althouse Road Air Shaft

Figure 5 shows the relative location between the proposed SR 6219 Section 020 project and the air shaft along Althouse Road. After a comprehensive review of the WPA and detailed mine maps for the Althouse area, it was determined, based on the best information available, that the air shaft was associated with Somerset Coal Company's Allegheny Mine that mined the Upper Kittanning (C') seam. Figure 6 shows the proposed SR 6219 Section 020 alignments and topographic base mapping overlaid on top of the Allegheny Mine detailed mine map.

SUBSURFACE IMPACTS

Using Figure 6 as a basis, the shaft associated with the mine opening in question runs to the east of the proposed SR 6219 alignment until it crosses the alignment at approximately station 282+00 to station 301+00. At this point the proposed roadway template for SR 6219 is in a cut condition with the deepest being approximately 30 feet. The depth from the existing ground to the Upper Kittanning coal seam in this area is approximately 118 feet. The closest blasting will be approximately 6,800 feet south of the air shaft. One can conclude that there will be no physical impact to the air shaft or the Allegheny Mine workings from the proposed construction.

SURFACE IMPACTS

Figure 7 shows the extent of surface impacts relative to a 1000' radius around the air shaft. The surface activities consist of tree clearing (green hatched areas), excavation, and construction of storm water basins. Based on the information presented above, no surface impacts will occur within 1,000 feet of the existing air shaft.

Conclusions

In conclusion, based on best information available, the two openings appear to be associated with the old mine workings of the Upper Kittanning (C') coal seam. Figure 8 depicts the two previously mentioned mine maps joined together to show the extent of the mine workings in the project area between Fogletown Road and Althouse Road. Based on the location of the mine grouting (the only physical impact to the Upper Kittanning coal seam) in relation to the main mine opening and associated air shaft, it can reasonably be concluded that the mine openings and air flow through the mine workings should not be impacted by the proposed construction of SR 6219.

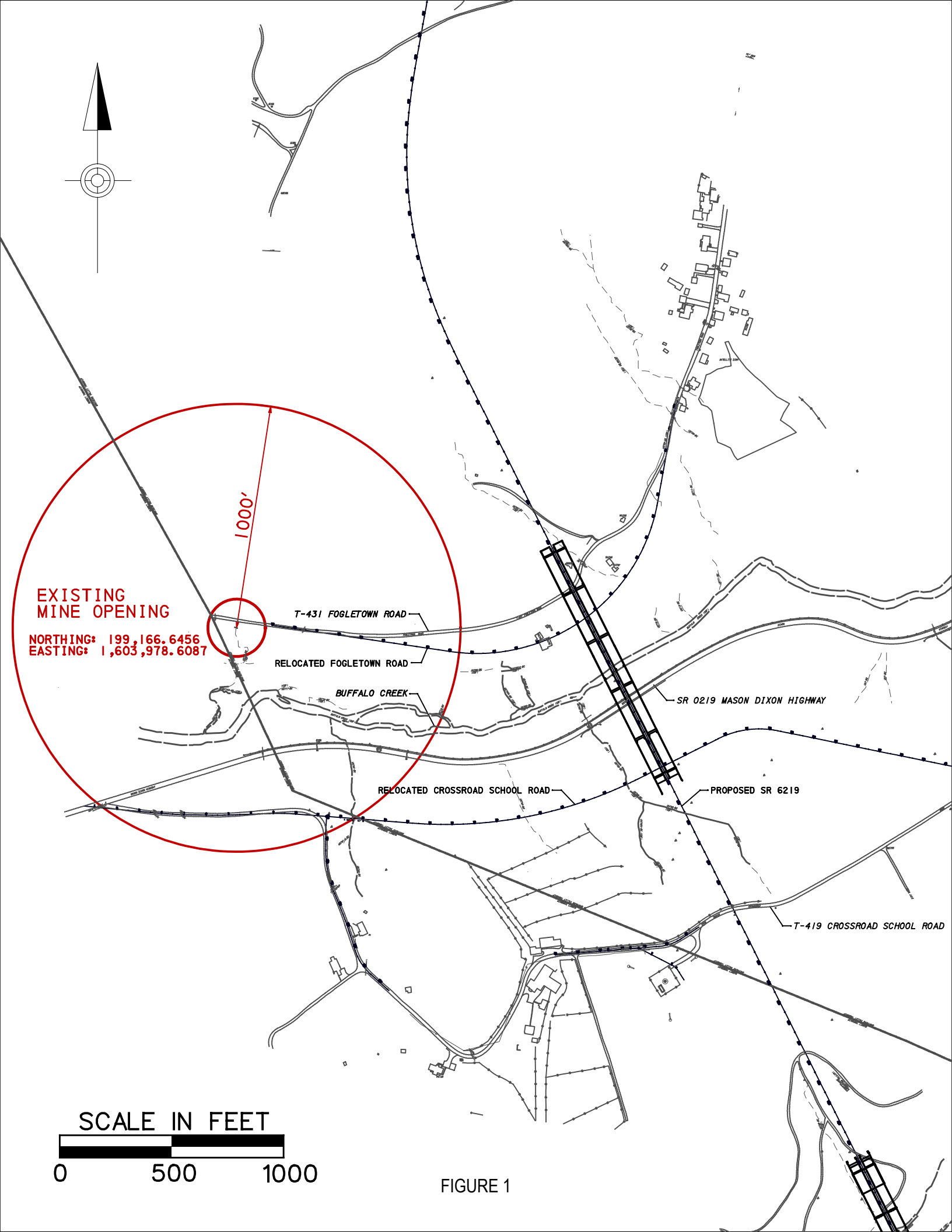


FIGURE 1

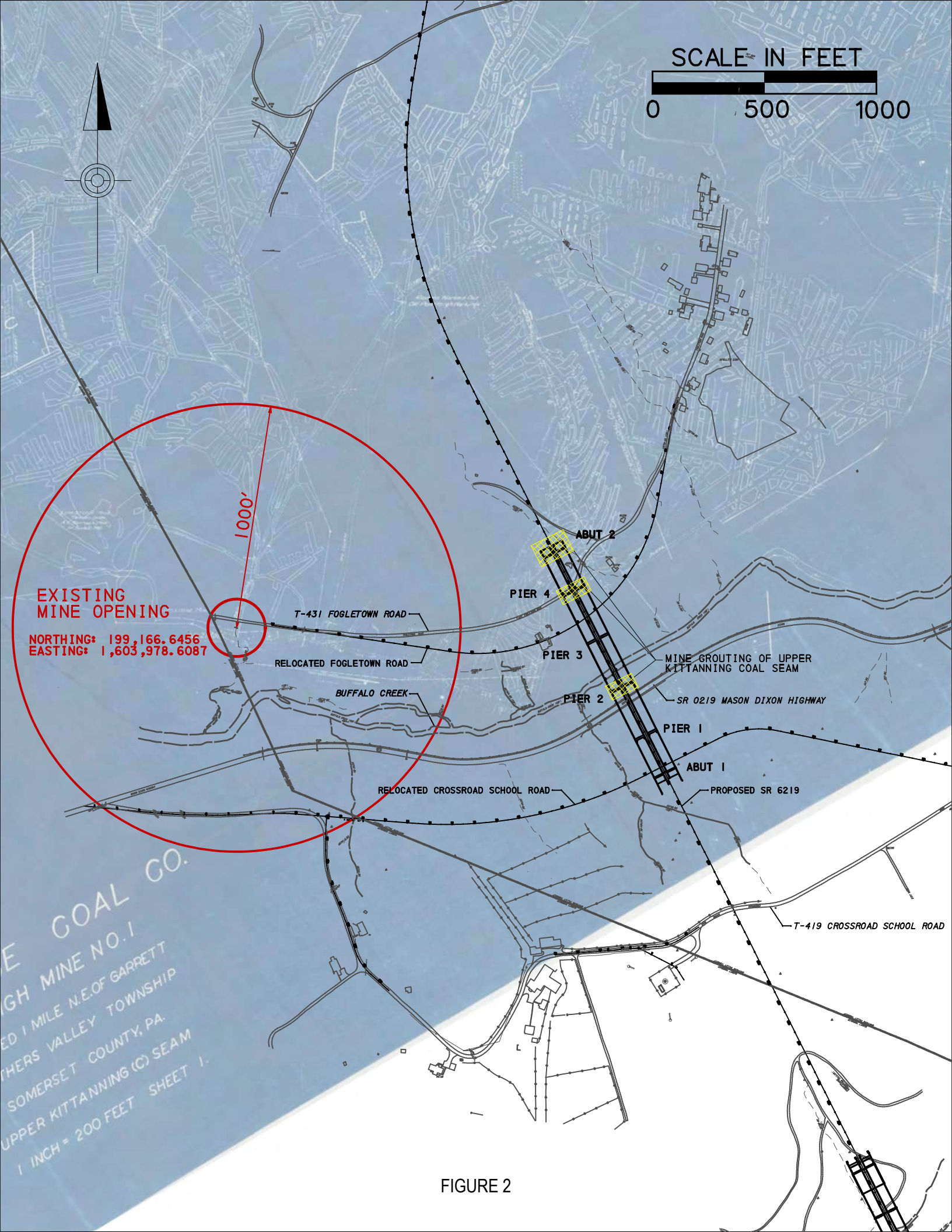


FIGURE 2

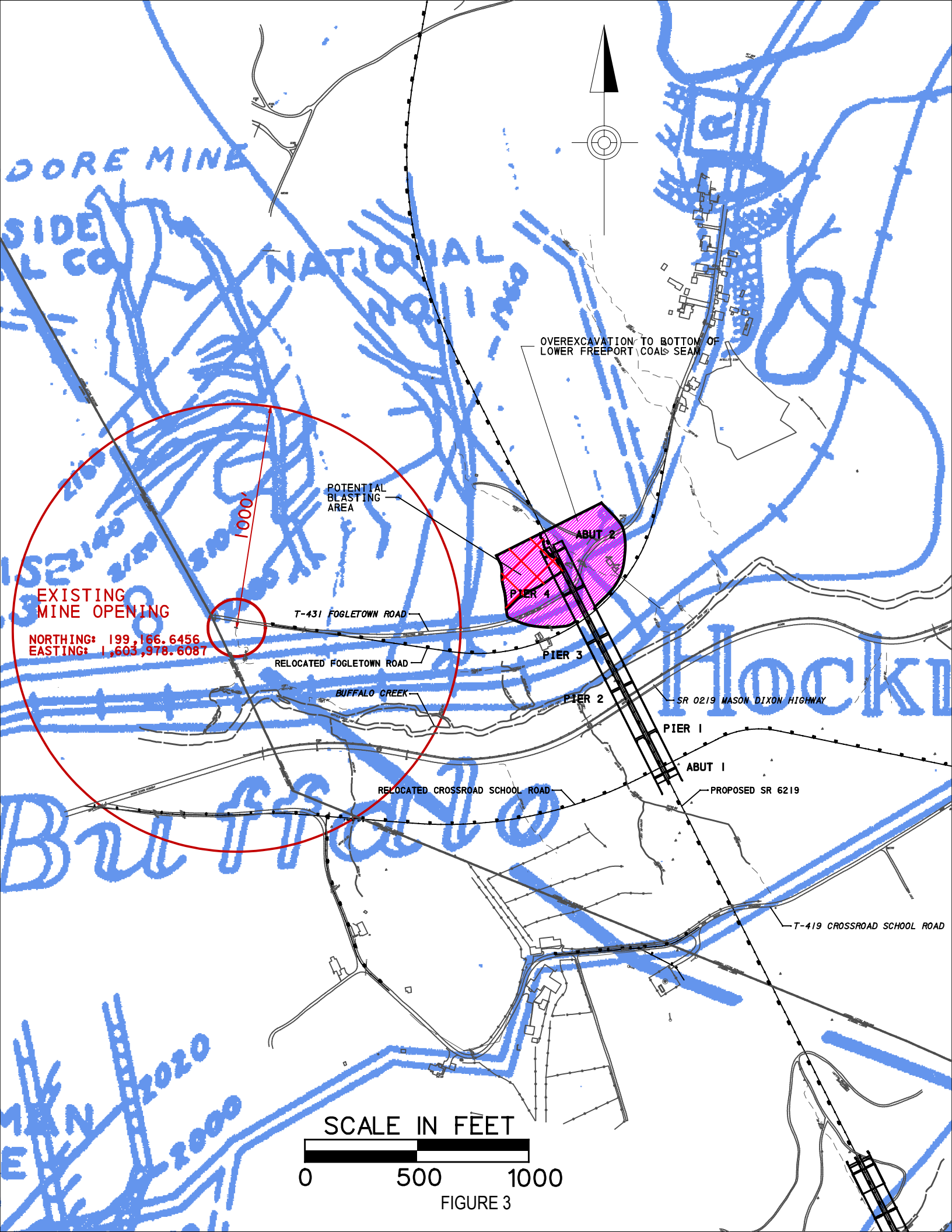


FIGURE 3

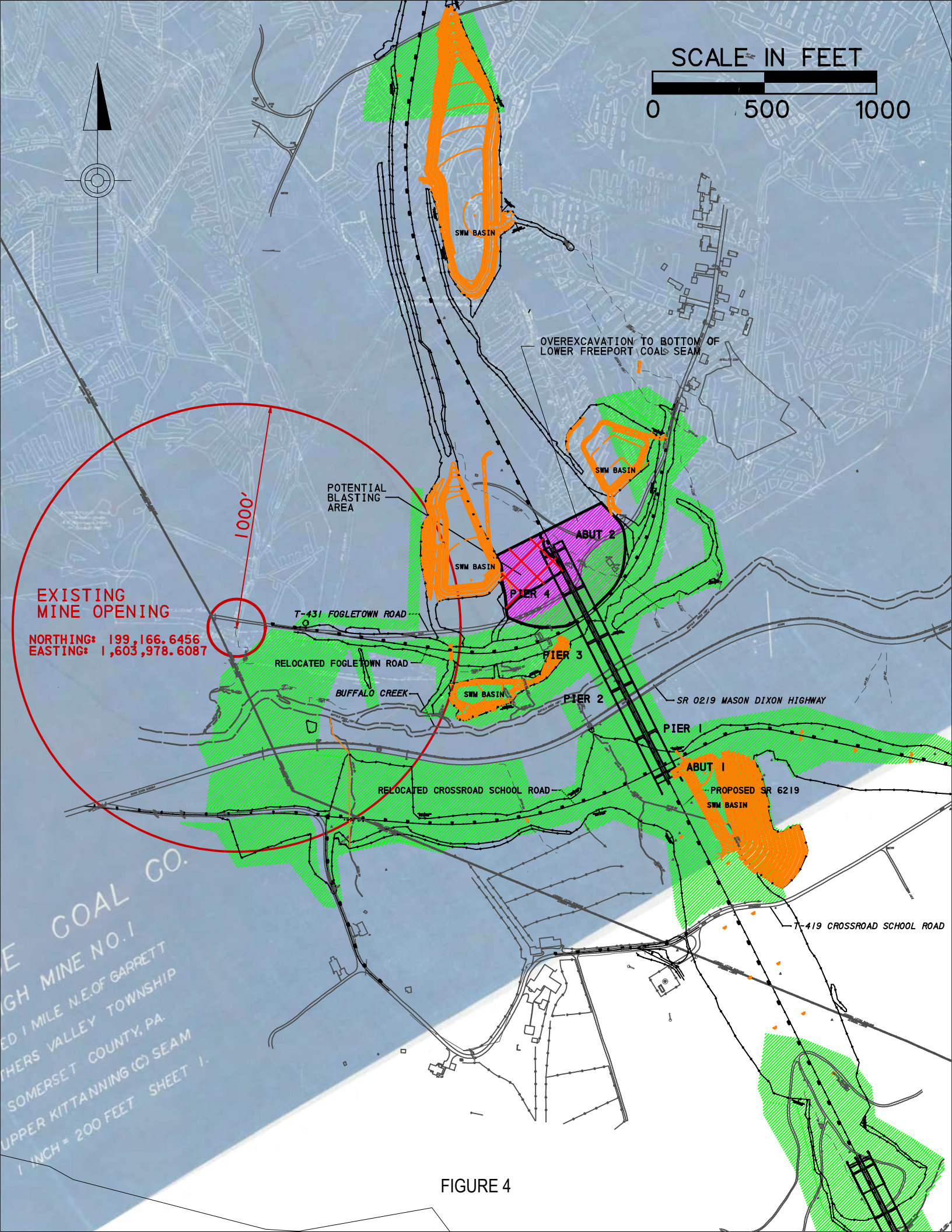


FIGURE 4

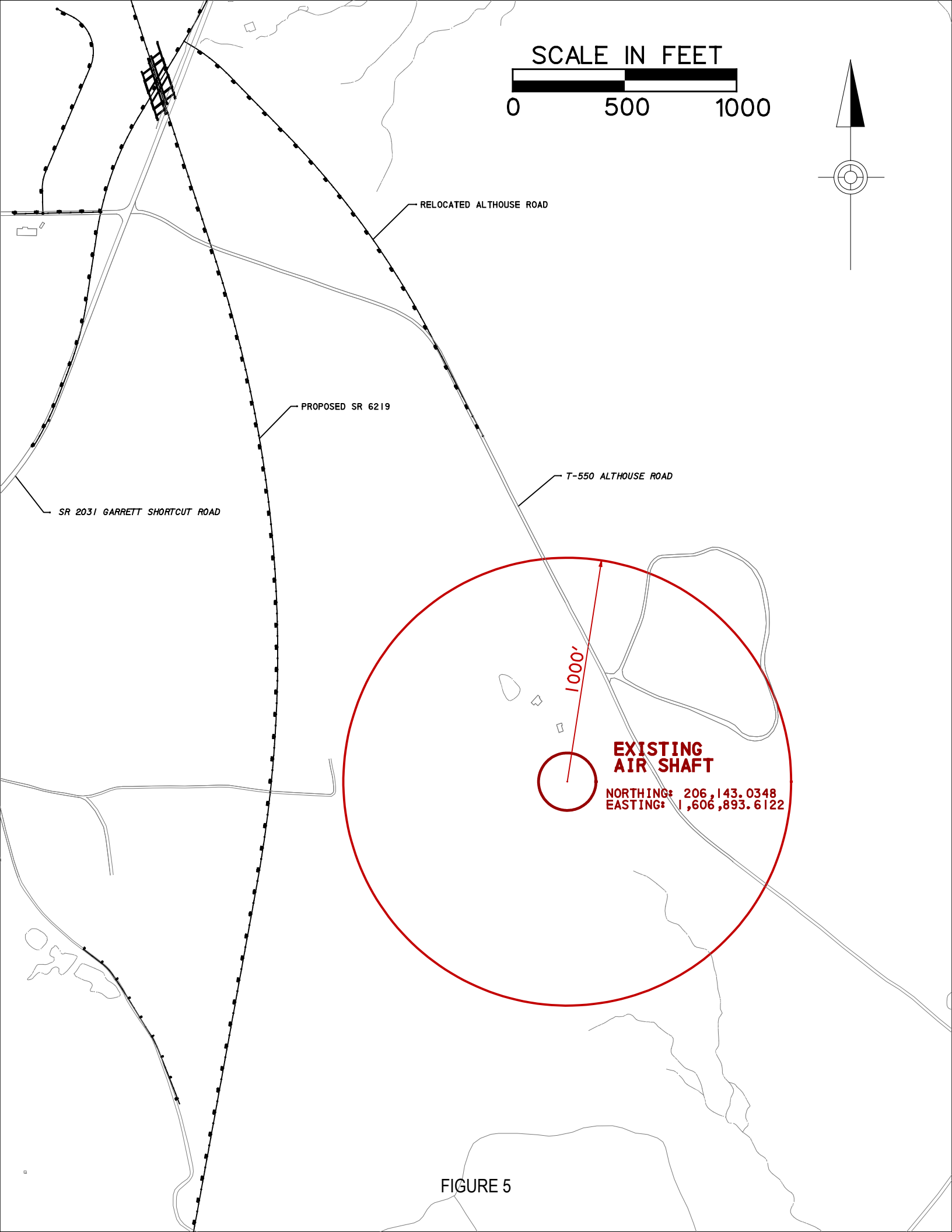


FIGURE 5

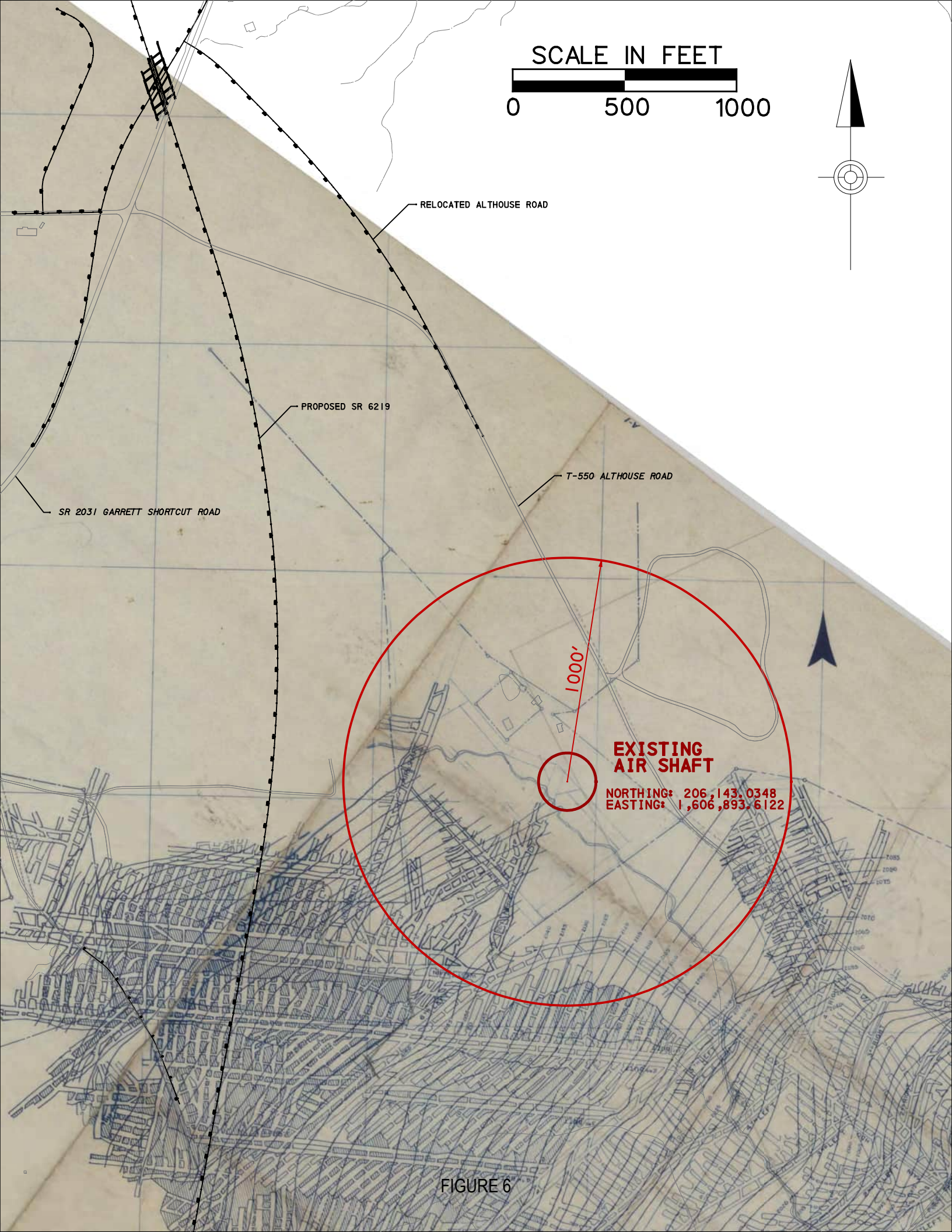
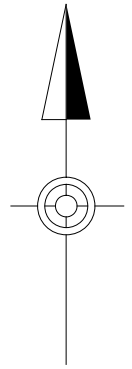
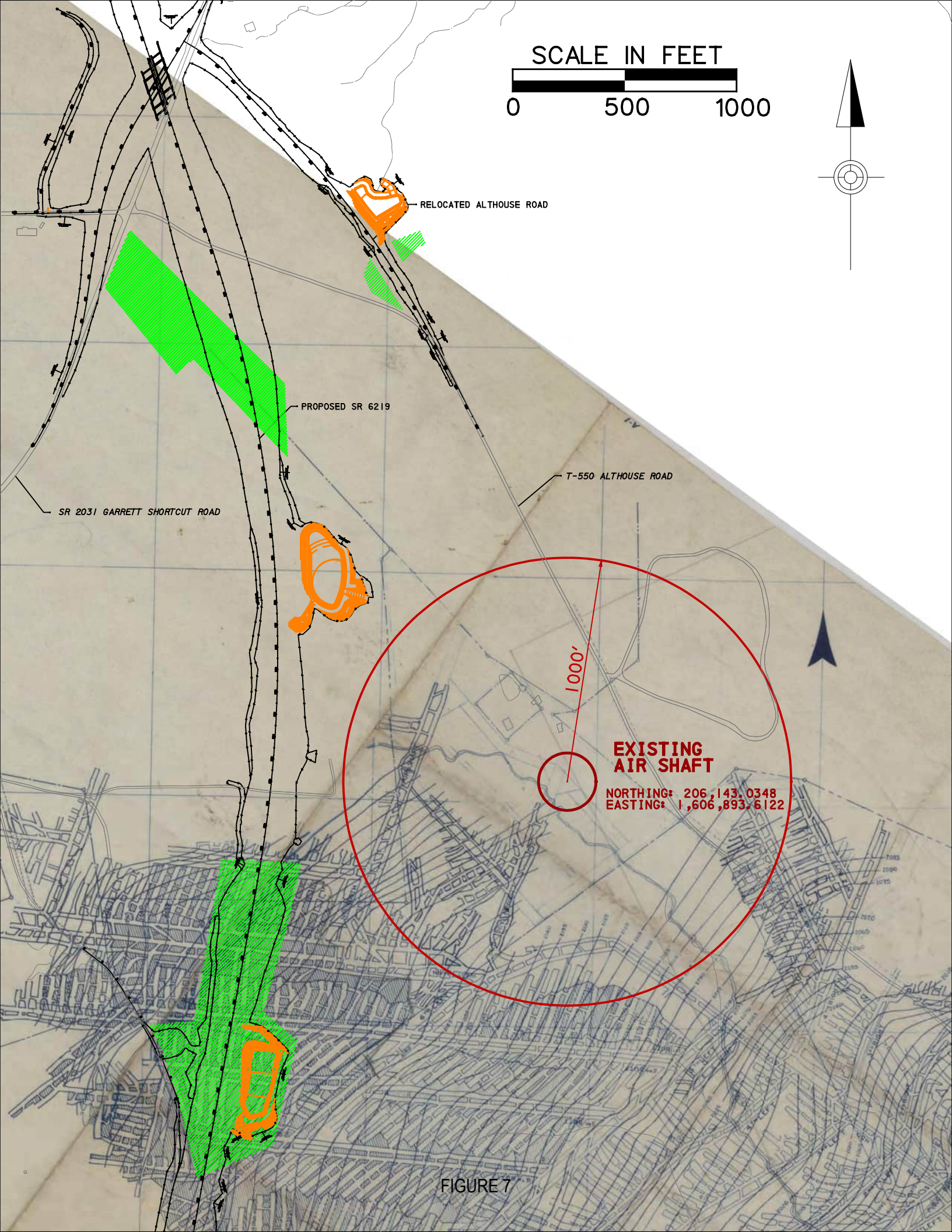


FIGURE 6



SCALE IN FEET

0 500 1000

RELOCATED ALTHOUSE ROAD

PROPOSED SR 6219

T-550 ALTHOUSE ROAD

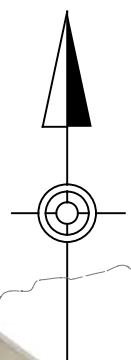
SR 2031 GARRETT SHORTCUT ROAD

1000'

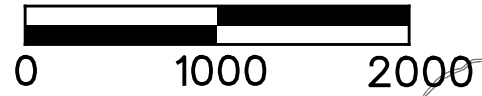
**EXISTING
AIR SHAFT**

NORTHING: 206,143.0348
EASTING: 1,606,893.6122

FIGURE 7



SCALE IN FEET



APPENDIX F - RESUMES

EDUCATION:

B.S., Secondary Education -
Biology and General Science,
1994, University of Pittsburgh

**PROFESSIONAL
REGISTRATIONS AND
CERTIFICATIONS:**

Recognized Qualified Indiana
Bat Surveyor - U.S. Fish and
Wildlife Service

YEARS OF EXPERIENCE:

17 Years

Ms. Zeyzus has more than 12 years of experience in threatened and endangered species investigations including coordination of surveys for the federally listed, endangered Indiana myotis (*Myotis sodalis*). She has also participated in capture studies for the federally listed, endangered gray myotis (*Myotis grisescens*) and an interior hibernaculum survey for the federally listed, endangered Virginia big-eared bat (*Corynorhinus townsendii virginianus*). She is listed as a United States Fish and Wildlife Service (USFWS) Qualified Indiana Bat Surveyor (QIBS) and holds a federal permit for capture surveys within the range of all three federally-listed bat species. She has worked closely with state agency representatives for species under their jurisdiction and has held permits to conduct bat surveys in Pennsylvania and West Virginia. She is a former Wildlife Biologist with the PGC where her main duties included the evaluation of bat and bird risks at proposed wind facilities and collaboration with contractors performing pre- and post-construction wildlife surveys at western Pennsylvania wind facilities.

PROFESSIONAL EXPERIENCE

Habitat Assessment - Ms. Zeyzus is experienced with assessing potential habitat for bat species of special concern and determining management strategies for avoidance, minimization, and/or mitigation of sensitive habitats. Ms. Zeyzus assisted with the design of summer rock roost habitat for the Pennsylvania-listed eastern small-footed myotis (*Myotis leibii*) and assisted with assessments focusing on the availability of potential roost tree habitat for Indiana myotis within and around project impact areas.

Ms. Zeyzus has utilized available abandoned mine resource data obtained from the Pennsylvania Department of Environmental Protection (PA DEP), Bureau of Abandoned Mine Reclamation (BAMR), Abandoned Mine Lands (AML) database; the West Virginia Geological and Economic Survey (WVGES) database; U. S. Department of the Interior, Office of Surface Mining, and resources identifying karst regions and known caves. She has field-investigated landscapes to locate open abandoned mines using these resources and traversed project areas to identify incidental mining locations and natural openings within the landscape. For open mines and natural openings, she assessed their suitability for bat hibernation and surveyed openings for use by bats that exhibited characteristics of potential hibernacula.

Bat Capture and Telemetry Studies - In her 12 seasons of bat surveying, Ms. Zeyzus has captured and identified eastern U.S. bat species, including the Indiana myotis, gray myotis, and the eastern small-footed myotis, using mist net and harp trap equipment. She has participated in spring and fall Indiana myotis hibernacula trap surveys with the PGC since 2002. She has also participated in multiple telemetry projects for threatened and endangered bat species via ground vehicle or airplane and was the Principal Investigator for a migratory bat research project involving radio-telemetry technology.

Bat Acoustic Surveys - As an employee of the PGC, Ms. Zeyzus visited acoustic equipment deployment areas at wind facilities, provided technical assistance with acoustic surveys, and reviewed survey reports. Ms. Zeyzus also performed bat acoustic surveys in combination with potential hibernacula harp trap surveys or as the sole survey method at potential hibernacula. Ms. Zeyzus is experienced with using ultrasonic recording equipment such as the AR125 (Binary Acoustic Technology [BAT]) and AnaBat II (Titlery Scientific) receivers. She is also experienced with using recording and analysis software such as SPECT'R and SCAN'R (BAT) and SonoBat.

Interior Hibernacula Surveys - Ms. Zeyzus has performed interior hibernacula surveys in at least 13 mines, caves, and tunnels in Pennsylvania and one cave in West Virginia. Hundreds of Indiana myotis were observed in Pennsylvania and West Virginia hibernacula and thousands of Virginia big-eared bat had been observed in the West Virginia hibernaculum.

Marking Methods - Ms. Zeyzus has banded eastern U.S. bats using metal or celluloid forearm bands. She also participated in the New York State Department of Environmental Conservation, Regional Bat Band Retention/Passive Integrated Transponder Tag Study at Hartman Mine, Pennsylvania.

PROJECT EXPERIENCE

Tygart Valley Pipeline, Randolph and Barbour Counties, WV - Ms. Zeyzus performed a bat habitat assessment within the 35-mile Tygart Valley Pipeline project. Using data obtained from the WVGES database for historic mining and karst regions, areas of historic mining and karst regions were identified. No karst regions were identified within the project corridor however, historic mining areas were identified and overlaid on aerial photographs and referenced during the field investigation. Ms. Zeyzus led a team of biologists to traverse the pipeline corridor, making observations of any rock habitat within a 125-foot wide study area on each side of the project centerline to cover a 250-foot swath along the project study corridor. Any natural and manmade openings identified within the landscape that may serve as bat habitat was investigated. Visual observations were made to identify openings associated with outcrops, rock ledges, boulders with interstices/fissures, sink holes, and any other geologic or topographic characteristics that may suggest the presence of historic mine features or natural openings within the landscape. Openings discovered during the traverses were investigated using the USFWS *Bat Survey Protocol for Assessing Use of Potential Hibernacula*.

King Coal Highway, Delbarton to Belo Project, Mingo County, WV - Ms. Zeyzus performed a bat habitat assessment within a 374-acre section of the highway project. Using historic mine data obtained from the WVGES database, areas of historic mining were identified and referenced during the field investigations. Biologists traversed the project area in search of features that may be suitable for bat hibernation and/or summer roost habitat for the Virginia big-eared bat. Any natural and manmade openings identified within the landscape that may serve as bat habitat was investigated. Visual observations were made to identify openings associated with outcrops, rock ledges, boulders with interstices/fissures, sink holes, and any other geologic or topographic characteristics that may suggest the presence of historic mine features or natural openings within the landscape. Openings discovered during the traverses were investigated using the USFWS *Bat Survey Protocol for Assessing Use of Potential Hibernacula* and the USFWS/Kentucky Department for Fish and Wildlife Resources (KDFWR) *Indiana Bat Survey Guidance for Kentucky* (2011).

Archbald Project, Lackawanna County, PA - Ms. Zeyzus led the field investigations of the 290-acre project area for potential eastern small-footed myotis summer roosting habitat and potential bat hibernacula. Prior to the field investigation, potential abandoned mine lands within the project area were researched using the PA DEP BAMR Abandoned Mine Land Problem Areas geographical information system (GIS) shapefiles. Any potential abandoned mine openings within the project area that have not been reclaimed or reclaimed but reopened due to subsidence and may serve as bat hibernacula were identified and these shapefiles were overlaid on a topographical and an aerial base map of the project area then field investigated. The field investigation also included traversing the project area to identify openings associated with rock outcrops, rock overhangs, rock piles, boulders with interstices/fissures, sink holes, and any other geologic or topographic characteristics that may suggest the presence of historic mine features or natural openings within the landscape. Openings discovered during the traverses were investigated using the PGC *Protocol for Assessing Abandoned Mines/Caves for Bat Surveys*.

Southwestern Pennsylvania Wind Facility Development Projects - As an employee of the Pennsylvania Game Commission, Ms. Zeyzus identified abandoned mine lands found within a 5-mile radius of proposed and developed southwestern Pennsylvania wind facilities using the PA DEP BAMR Abandoned Mine Land Problem Areas geographical information system (GIS) shapefiles. Any potential abandoned mine openings within the 5-mile radius study area that have not been reclaimed and may serve as bat hibernacula were identified. These shapefiles were overlaid on a topographical and an aerial base map of the project area then field investigated. Openings discovered during the field investigation were assessed using the PGC *Protocol for Assessing Abandoned Mines/Caves for Bat Surveys*. Openings discovered to exhibit characteristics suitable for bat use were surveyed using harp trap

equipment and/or AR125 acoustic monitoring equipment.

Mon/Fayette Transportation Project, Uniontown to Brownsville, Fayette and Washington Counties, PA - Ms. Zeyzus assisted the USFWS QIBS with mist net surveys and potential hibernacula surveys for the Indiana myotis. Ms. Zeyzus deployed mist net survey equipment and assisted with the identification of captured bats. She also assisted with the investigations for potential bat hibernacula within the project corridor using desktop resources from known mining sources and assisted in an intense field investigation study to locate open abandoned mines and natural openings within the landscape. Openings that were discovered were assessed for bat use using the USFWS *Bat Survey Protocol for Assessing Use of Potential Hibernacula*. Ms. Zeyzus also performed field and analysis duties for the identification and delineation of jurisdictional wetlands, performed stream assessments, assessed land cover, and utilized GPS for wetland and aquatic resource mapping. Additionally, she assisted in the biological assessment conducted for the American gromwell and the tall larkspur, two Pennsylvania-listed endangered plants that exist within the project corridor.

Ozark National Scenic Riverways Gray Myotis Hibernacula Research, Missouri State University - Ms. Zeyzus assisted Lynn Robbins, PhD. and Janelle Bowcock, graduate student with spring emergence capture surveys at known gray myotis hibernacula within the Ozark National Scenic Riverways, Missouri. A total of 74 gray myotis and six species of other hibernating and non hibernating bats of Missouri were captured. Additionally, known gray myotis roosting caves/structures used by summer maternity and bachelor colonies (that may or may not be used as hibernacula) were investigated.

Valley View Business Park, Lackawanna County, PA - Ms. Zeyzus assessed potential rock habitat for the Pennsylvania listed threatened eastern small-footed myotis within the project area and collaborated with the client regarding mitigation options necessary due to construction impacts. As part of the mitigation approach, she assisted with the design of rock roost habitat to replace impacted habitat for this species.

WV Route 2, Kent to Woodlands, Marshall County, WV - Ms. Zeyzus obtained a Scientific Collecting Permit from the West Virginia Division of Natural Resources to perform a mist net survey to determine the presence or probable absence of the Indiana myotis within the project area. Ms. Zeyzus led the mist net survey efforts related to this project including site selection, protocol implementation, identification of all captured bats, and data analysis.

South Valley Parkway Project, Luzerne County, PA - In 2008, Skelly and Loy captured two eastern small-footed myotis within the South Valley Parkway project area. As a result, Skelly and Loy was required by the Pennsylvania Game Commission to return to the project area, attempt capture success again, and perform radio-telemetry on any eastern small-footed myotis captures. Ms. Zeyzus led the mist net survey efforts related to this project including net deployment, protocol implementation, identification of all captured bats, and data analysis. The survey resulted in the capture of one eastern small-footed myotis. Ms. Zeyzus led the three-night telemetry study to determine the day roost area(s) and foraging activity of the bat.

MARC I Hub Line Project, Bradford and Sullivan Counties, PA - Skelly and Loy was subcontracted to perform a mist net survey to determine the presence or probable absence of the Indiana myotis within a 16-mile pipeline corridor. Ms. Zeyzus served as the USFWS Qualified Indiana Bat Surveyor and led the mist net survey efforts including site selection, protocol implementation, and identification of captured bats.

WV Route 2, Kent to Franklin, Marshall County, WV - Ms. Zeyzus assisted with an assessment focusing on the availability of Indiana myotis habitat within the project area and within a two-mile radius of the project area, with an emphasis on potential roost trees and foraging areas.

WV Route 9, Charles Town to Virginia State Line, Jefferson County, WV - Ms. Zeyzus assisted the USFWS Qualified Indiana Bat Surveyor with a mist net survey to determine the presence or probable absence of the Indiana myotis within the project area. Ms. Zeyzus deployed mist net survey equipment and assisted with the identification of captured bats.

Mon/Fayette Transportation Project, PA Route 51 to I-376, Allegheny County, PA - Ms. Zeyzus served as a USFWS Qualified Indiana Bat Surveyor and assisted with the implementation of the mist net surveys to determine the presence or probable absence of the Indiana myotis within the project area. Ms. Zeyzus selected mist net survey

sites, ensured protocol implementation, organized and analyzed data, and identified bats captured at sites she was responsible for overseeing.

Pennsylvania High-speed Maglev Project, Allegheny and Westmoreland Counties, PA - Ms. Zeyzus coordinated surveys for the Pennsylvania-listed, endangered short-eared owl. She also conducted an evaluation of natural and mine openings for the Indiana myotis. Additionally, Ms. Zeyzus conducted wetland identification and delineation and stream assessments activities for this project.

Important Mammal Areas Project, Multiple Counties throughout PA - Ms. Zeyzus investigated Important Mammal Areas (IMAs) as part of the Pennsylvania Important Mammal Areas Project (IMAP), and detailed information regarding species, habitat, and conservation recommendations in Conservation Assessments and Stewardship Plans.

Dolph Colliery Drift II Abatement, Lackawanna County, PA - Skelly and Loy was contacted by the U.S. Office of Surface Mining to investigate an opening associated with the Dolph Colliery Drift II that was suddenly discovered during construction and was determined to pose an increased threat to the health and safety of the curious public. Ms. Zeyzus served as the USFWS Qualified Indiana Bat Surveyor to investigate the opening for characteristics conducive for bat hibernation prior to abatement. Upon determining that the abandoned mine could serve as a potential hibernaculum, Ms. Zeyzus performed a harp trap survey and simultaneously monitored bat passes using acoustic detection equipment in accordance with USFWS protocol.

RESEARCH INTEREST

Migratory Patterns of tree- and foliage-roosting bats along the Allegheny Mountains of Southwestern Pennsylvania - In the fall of 2007 and 2008, Ms. Zeyzus conducted research intended to assess migratory patterns and behavior of the three tree- and foliage- roosting bats of the northeast: eastern red bat (*Lasiurus borealis*), silver-haired bat (*Lasionycteris noctivagans*), and hoary bat (*Lasiurus cinereus*). Such information is necessary to assist with the development of best management practices for operating wind facilities that consider migratory bat conservation. Ultimately, the project goal was to document how weather conditions influence bat migration and determine how migrating bats utilize mountain ridges and other landscape features. The project objectives were to capture, radio-tag, and track migratory bats throughout their fall migratory route using telemetry equipped vehicles and airplane. In 2007 and 2008, nine eastern red bat, two silver-haired bat, and one hoary bat were radio-tagged and tracked. Foraging and/or migratory behavior were observed. As Principal Investigator, Ms. Zeyzus oversaw project planning, organization, and implementation; participated in data collection; and was responsible for data analysis.

ABSTRACTS

Zeyzus, J. A., J. L. Larkin, J. E. Duchamp (2012) Estimated Survey Effort Required for Capturing Bats During Fall Migration; Northeast Bat Working Group Annual Meeting, Carlisle, PA, January 11-13, 2012.

Zeyzus, J. A., J. L. Larkin, J. E. Duchamp (2010) Observations of Patterns and Behavior of a Migrating Hoary Bat; North American Symposium on Bat Research, Denver, CO, October 27-30, 2010.

Winner, J. Z., J. L. Larkin, C. M. Butchkoski (2008) Migratory Patterns and Behavior of the Eastern Red Bat (*Lasiurus borealis*) along the Allegheny Mountains of Southwestern Pennsylvania; North American Symposium on Bat Research, Scranton, PA, October 22-25, 2008 and Pennsylvania Chapter of The Wildlife Society conference, State College, PA, March 28, 2009.

Winner, J., C. Butchkoski, J. Hassinger, R. D. Cogan, J. Dunn, D. Wayland, C. Sanders, J. Hart (2004) Distribution of Small Mammal Species within a Tornado Struck Area: Comparison of a Salvaged, Unsalvaged, and Control Site, Pennsylvania Chapter of The Wildlife Society conference, Clarion, PA, March 12-13, 2004.

ADDITIONAL EXPERIENCE

- Bat Conservation and Management, Inc., *Eastern Acoustic Field Techniques Course*, 2011
- Powdermill Nature Reserve of the Carnegie Museum of Natural History, volunteer bird capture and banding assistant, 2009 - 2011
- Pennsylvania Game Commission, *Neotoma magister* workshop, 2009
- Pennsylvania Department of Conservation and Natural Resources, Jennings Environmental Education Center, *Natural History in the Classroom*, *Bats* workshop, Guest Presenter and Mist Net Survey Demonstrator, 2009 and 2004
- Beaver County Conservation District/Beaver County Recreation Department, Pennsylvania, Guest Presenter, *Pennsylvania Bats, Research, and Conservation*, 2008
- Bat Conservation International, Inc., *Acoustic Monitoring Workshop*, 2005
- American Wind Energy Association, *2nd Wind Power Project Siting Workshop*, 2005
- Bat Conservation International, Inc., *Bat Conservation and Management Workshop*, 2002

PROFESSIONAL AFFILIATIONS

- The Pennsylvania Biological Survey, Mammal Technical Committee
- The Wildlife Society, Pennsylvania Chapter
- North American Society for Bat Research
- Northeast Bat Working Group
- Bat Conservation International, Inc.

Michael S. Fishman, CWB, PWS

Managing Senior Environmental Scientist



Summary

Mr. Fishman has more than 25 years of experience as a practicing wildlife biologist, including more than 12 years working with bats. His experience includes environmental impact assessment, regulatory review and permitting, and wildlife and habitat inventory and management, including delineation and jurisdictional determination for tidal and freshwater/inland wetlands, and survey and formal consultation experience with numerous endangered species. He has extensive experience coordinating project reviews under state and federal environmental impact assessment regulations (SEQRA/NEPA) with a history of successful project approvals. He has also prepared open space management plans for entire municipalities and for private properties up to 25,000 acres in size.

Mr. Fishman began working with bats in 1991 and he was one of the first consultants in New York State to be licensed to perform federal protocol surveys for Indiana bats. He has been the principal investigator on numerous bat surveys on sites up to 35,000 acres in area and has completed ESA Section 7 informal and formal consultations with the U.S. Fish & Wildlife Service regarding bats.

Relevant Project Experience

Federal Protocol Indiana Bat Surveys: Principal investigator for federal protocol mist net surveys for Indiana bats on more than 150 sites. Included project design, equipment acquisition and coordination of field survey operations, identification of all bat species, and preparation of project reports:

- Development Authority of the North Country, Solid Waste Management Facility Southern Expansion Bat Survey, August 2012**
- Adriance Farm Bat Survey, Season 3, Clinton, NY, August 2012**
- Adams Fairacre Farms – Post Construction Bat Survey, Wappinger, NY, August 2012**
- Brookhaven National Laboratory Bat Inventory, Upton, NY, July 2012**
- Wertheim National Wildlife Refuge Bat Inventory, Brookhaven, NY, July 2012**
- Esopus Farm Indiana Bat Survey, Esopus, NY, June 2012**
- Adriance Farm Bat Survey, Season 2, Clinton, NY, August 2011
- Obercreek Bat Survey, Wappinger, NY, August 2011
- Ohioville Acres Bat Survey, Gardiner, NY, July 2011
- Adriance Farm (Year 2), Clinton, NY 2011
- Spectra Energy Bat Survey, Ramapo, NY, June 2011**
- Laurel Mountain Pipeline Bat Survey, PA, May-June 2011
- Floyd Bennett Memorial Airport Bat Survey, ±60 acres, Warren County, NY 2010
- Marshlands Well Field Bat Survey, 52,000 acres, Tioga and Potter Counties, PA 2010**
- Adams Fairacre Farms, 12 acres, Wappingers Falls, NY 2010
- Adriance Farm, ±60 acres, Clinton, NY 2010*

Education

B.S. (1988), Natural Resources, Wildlife & Aquatic Sciences, Cornell University College of Agriculture and Life Sciences

M.S. (2012-pending), Conservation Biology, State University of New York College of Environmental Science and Forestry

Professional Certifications

Certified Wildlife Biologist (CWB®)
Certified Professional Wetland Scientist (PWS)
USFWS/State Qualified Indiana Bat Surveyor in NY and PA

Professional Affiliations

NY Chapter, The Wildlife Society
President, 2012-
President-Elect, 2011-12
Vice President, 2010-11
Society of Wetland Scientists
New York State Wetlands Forum
Board of Governors, Vice Chair
Northeast Bat Working Group
Chair, 2012-13
Co-Chair, 2011-12



Michael S. Fishman, CWB, PWS

Managing Senior Environmental Scientist



- Stewart Airport, ±80 acres, New Windsor, NY 2009
- West Point Military Reservation, ±16,000 acres, West Point, NY 2008
- Savannah Multi-Use Development Property, Montgomery, NY, 2008
- Container Intermodal Distribution Site, Minoa, NY, 2008
- Syracuse Airport Safety Zone, Syracuse, NY, 2008
- Silo Ridge Golf Course and Residential Development, Amenia, NY, 2007
- Timber Banks Golf and Residential Development Site, ±800 acres, Lysander, NY, 2007
- Riverwalk Residential Subdivision, Clay, NY, 2007
- Hudson Crossings Distribution Center, Hamptonburgh, NY, 2007*
- Hyde Park Residential Subdivision, Hyde Park, NY, 2006*
- Master's Degree Research for Habitat Characterization of Indiana Bats in Central New York, 2006-2008* (about 25 sites)
- Harbor Heights Residential Subdivision, Baldwinsville, NY, 2005*
- Carvel Property Multi-Use Development, Milan and Pine Plains, NY, 2005*
- Esopus Lake Federal Protocol Indiana Bat Survey, Esopus, NY, 2005*
- Glasco Ponds Site Federal Protocol Indiana Bat Survey, Saugerties, NY, 2005*
- Oot Brothers Parcel Bat Monitoring, East Syracuse, NY, 2005*
- Kingston Brickyard Residential Redevelopment Site, Ulster County, NY, 2004
- Air Force Research Laboratory Youngstown Site, Niagara, NY, 2001*
- Finger Lakes National Forest, Schuyler and Seneca Counties, NY, 2000-2001*

*included acoustic monitoring for bats using *Anabat* equipment/software

**included acoustic monitoring for bats using *Binary Acoustics* equipment/software

Bat Hibernacula Surveys (Caves and Mines): these projects included conducting surveys and censuses for all bat species in both caves and mines, including conducting onsite counts and photographing bats for remote counting.

- Jamesville Bat Hibernaculum Census, Onondaga County, NY, 2005, 2007, 2009-2011
- Jamesville Hibernaculum Swarming Study, Onondaga County, NY, 2004
- Jamesville Hibernaculum Spring Emergence Study, Onondaga County, NY, 2006
- Williams Hotel Mine Hibernaculum Census, Ulster County, NY, 2001-2011
- Williams Lake Mine Hibernaculum Census, Ulster County, NY, 2001-2011
- Williams Preserve Mine Hibernaculum Census, Ulster County, NY, 2001-2009
- Barton Hill Mine Hibernaculum Census, Essex County, NY, 1991, 2001-2011
- Glen Park Cave Hibernaculum Census, Jefferson County, NY 2007



Cave/Portal Surveys: These projects included aerial and ground level surveys for mine openings and caves by walking transects through probably sites (history of mining, or karst geology), and investigation of caves/mines for bat roosting suitability.

- Adriance Farm, Clinton, NY, 2010
- Williams Lake Hotel Site, Rosendale, NY, 2007 (Identified more than 100 mine openings, including a new entrance to a known Indiana bat hibernaculum)
- West Point Military Reservation, Highland, NY, 2008
- Carvel Property, Milan, NY, 2005
- Split Rock Site, Ramapo, NY, 2004
- Kingston Brickyard Site, Kingston, NY, 2004

Bat Radio-Telemetry Studies: these studies included the capture, radio-marking, and radio-tracking of bats to identify day roosts (static tracking), as well as to map foraging areas (fixed station triangulation).

- Laurel Mtn, Pipeline, PA, 2011 (female Silver Haired Bat)
- Riverwalk Residential Subdivision, Clay, NY, 2007
- Hudson Crossings Distribution Center, Hamptonburgh, NY, 2007
- Master's Degree Research for Habitat Characterization of Indiana Bats in Central New York, 2006-2008
- Williams Lake Hibernaculum Emergence Study, Ulster Co, NY, 2004-2007
- Jamesville Hibernaculum Emergence Study, Jamesville, NY, 2006
- Glen Park Indiana Bat Emergence Monitoring, Jefferson County, NY, 2005
- Barton Hill Indiana Bat Radio Telemetry Project, Essex County, NY, 2001

Endangered Species Act (ESA) Section 7 Consultations for Bats: these projects included development of mitigation strategies to avoid or minimize the likelihood of take of Indiana bats due to proposed development activities. Projects marked with a (*) included preparation of a Biological Assessment in compliance with ESA Section 7.

- LaGrange Town Center, 2011-12*
- Hudson River Valley Resort, 2010-12
- Stewart Airport Informal Consultation, 2010
- Woodstock Commons Indiana Bat Informal Consultation, 2009-11
- Adams Fairacre Farms Indiana Bat Formal Consultation, 2009*
- Esopus Lake Residential Subdivision Formal Consultation, 2007-8*
- Timber Banks Golf and Residential Development Informal Consultation, Lysander, NY, 2007*
- Riverwalk Residential Subdivision, Informal Consultation, Clay, NY, 2007*
- Hudson Crossings Distribution Center, Informal Consultation, Hamptonburgh, NY, 2007*
- Iron Mountain Storage Facility, Informal Consultation, Rosendale, NY, 2006

- Moore Farm Residential Subdivision Site, Informal Consultation, Dutchess County, NY, 2004
- Seven Springs Farm Golf Course/Residence Site, Informal Consultation, Westchester County, NY, 2004

Presentations/Publications/Seminars/Research

- “Bat Species Frequency Distribution Shift After White-Nose Syndrome Reaches the West Point Military Reservation”, primary author of poster presentation at the 41st Annual North American Symposium on Bat Research, Toronto, ONT, Canada. Received the *Organization for Bat Conservation Award*. October 2011.
- “Bats of New York” and Mist Netting Training Program, Invited training session at Finger Lakes Community College, Canandaigua, NY June 2011
- “White Nose Syndrome – What Happened, Where Are We, and Where Are We Going?”, Invited Keynote Address to the Northeast Wildlife Conclave, State University of New York, Cobleskill, NY, April 2011
- “Landscape Metrics of Indiana Bat Habitat in Central New York”, invited presentation to the Northeast Natural History Conference, Albany, NY, April 2011
- “Bat Species Frequency Distributions Pre and Post White-nose Syndrome at West Point Military Reservation”, presentation to the 21st Annual Mammal Colloquium and Annual Meeting of the Northeast Bat Working Group, Louisville, KY, March 2011
- “White Nose Syndrome: What We Know So Far,” invited presentation to the community of Rosendale, Rosendale, NY, March 2009.
- “A Comparison of Bat Surveys at the West Point Military Reservation Pre- and Post-White Nose Syndrome,” primary author of poster presented at the Northeast Fish & Wildlife Conference, Lancaster, PA, April, 2009.
- “Habitat Use by a Female Indiana Bat at an Urban-Rural Interface in Central New York at Multiple Spatial Scales,” primary author of poster presented at the Northeast Natural History Conference, Albany, NY, May 2008.
- “Summer Habitat Selection of the Indiana Bat (*Myotis sodalis*) in Central New York, USA,” presentation at the New York State Wetlands Forum Annual Meeting, Seneca Falls, NY, April 2008.
- “Indiana Bat Emergence Studies Continued: The Jamesville 2006 Release,” invited presentation at the 2007 Annual Meeting of the New York State Wetlands Forum, Lake Placid, NY, April 2007.
- “Saving Your Project From the Endangered Species List,” invited article in the New York State Real Property Law Journal, 33(3), Summer, 2005.

Michael S. Fishman, CWB, PWS

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- ▶ “Living With Uncertainty: The Indiana Bat in New York,” invited presentation at the New York State Wetlands Forum Annual Meeting, Glens Falls, NY, April, 2005.
- ▶ “The Endangered Species Consultation Process,” invited presentation before the Erie County Bar Association’s Environmental Committee, Buffalo, NY, January, 2005
- ▶ “Bats of New York,” invited lecture for the Field Biology Class (Prof. Charles R. Smith) at Cornell University’s Natural Resources Department, Ithaca, NY, October, 2004-2010.



JACK T. BASIGER

STAFF SCIENTIST

EDUCATION

BA, Wildlife and Fisheries Science,
University of Rio Grande

AS, Wildlife and Fisheries Science,
Hocking College

Mr. Basiger is a Staff Scientist that has assisted with numerous wildlife research and management projects. He has participated in bat, mammal, bird, herpetological, fish, and aquatic macroinvertebrate surveys. He has specialized experience with bats and can identify all eastern bats to species, including endangered Indiana bats (*Myotis sodalis*) and gray bat (*Myotis grisescens*). He is listed by the Pennsylvania Game Commission as a Qualified Indiana Bat Surveyor and is familiar with several state and federal protocols for surveying bats, which have included White Nose Syndrome decontamination and wing damage index scoring. Mr. Basiger has extensive experience with bat detector acoustic monitoring data processing and analysis. Prior to joining CEC, Mr. Basiger spent 7 years with other firms in the private environmental consulting arena, supervising field investigations for similar research projects

PROJECT EXPERIENCE

- Confidential Client, Wind Resource Area: 2012. Completed the installation of MET tower acoustical monitoring station. Installed two mobile acoustical monitoring stations in Huron County, MI. Role in project: Field Supervisor.
- William Natural Gas, Central Pipeline Project: 2012. Completed Indiana bat potential roost tree identification and marking in northeastern, PA. Role in project: Field Supervisor.
- William Natural Gas, Gathering Line Project: 2012. Completed Indiana bat potential roost tree identification and marking in northeastern, PA. Role in project: Field Supervisor.
- William Natural Gas, Gathering Line Project: 2012. Completed Indiana bat potential roost tree identification and marking in northeastern, PA. Role in project: Field Supervisor.
- American Electric Power, Skinfork 138kV Electric Transmission Line: 2012. Completed a mine portal search along the 3.6-mile transmission corridor in Boone County, WV. Role in project: Field Supervisor.
- Confidential Client, Wind Resource Area: 2011. Completed mist netting and acoustic surveys for Indiana bats in Whitley County, IN. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Role in project: Field Supervisor.
- American Electric Power, Skinfork 138kV Electric Transmission Line: 2011. Completed mist net surveys for Indiana bats along a 3.6-mile transmission corridor in Boone County, WV. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Role in project: Field Supervisor.
- Confidential Client, Wind Resource Area: 2011. Completed mist net surveys for Indiana and gray bats within a 39,607-acre site in Seneca and Sandusky counties, OH. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing, radio-tracking and implementation of White Nose Syndrome protocols. Contributed

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Integrated Services

Personal Business Relationships

CEM Environmental Consultants, Inc.

to technical reporting. Role in project: Field Supervisor.

- Public Service Electric and Gas, Roseland-Bushkill Transmission Line: 2011. Completed summer mist net bat survey along 45-mile transmission line corridor in Warren, Sussex, Morris, and Essex counties, NJ. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Role in project: Field Supervisor.
- American Electric Power, Bonnyman-Softshell 138kV Transmission Line: 2011. Completed portal search and summer mist netting and acoustic monitoring bat surveys along a 19.6-mile transmission line in Perry and Knott counties, KY. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Role in project: Field Supervisor.
- Chief Gathering Natural Gas Pipeline: 2011. Completed summer mist net bat survey, portal search, and small-footed bat (*Myotis leibii*) habitat survey along 30.1-mile pipeline in Luzerne and Wyoming counties, PA. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Used telemetry to track three small-footed bats to 13 roosts. Role in project: Field Supervisor.
- Tennessee Gas Pipeline, Northeast Upgrade: 2011. Conducted Indiana bat mist net and portal surveys along approximately 5 miles in Sussex county, NJ and along approximately 3 miles in Pike county, PA. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Role in project: Field Supervisor.
- Tennessee Gas Pipeline, Northeast Upgrade: 2011. Completed raptor call play back surveys at 23 sites in Sussex, Passaic, and Bergen counties, NJ. Conducted surveys for Red-shouldered hawks and barred owls at all site on a monthly basis for four consecutive month through the spring. Along with the call play back surveys, habitat assessment and visual nest searches were conducted. Role in project: Field Supervisor.
- American Electric Power, Wyoming-Jackson's Ferry 765 kV Transmission Line: 2011. Designed, constructed, and installed 6 bat boxes, according to U.S. Fish and Wildlife standards, along the VA portion of the ROW within the Jefferson National Forest. Role in project: Field Supervisor.
- Superior Appalachian Pipeline, LLC Snow Shoe Pipeline: 2010. Completed Indiana bat summer mist net survey along 14.5 miles of new natural gas pipeline in Centre County, PA. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. At the request of PADCNr, successfully tracked small footed bats to multiple roosts in Sproul State Forest. Role in project: Field Supervisor.
- Tennessee Gas Pipeline, Northeast Upgrade: 2010. Conducted Indiana bat mist net and portal surveys along approximately 17 miles in Sussex, Passaic, and Bergen counties, NJ and along approximately 30 miles in Bradford, Wayne, and Pike counties, PA. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric

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Integrated Services

Personal Business Relationships

processing and implementation of White Nose Syndrome protocols. Role in project: Field Supervisor.

- Global Geophysical Services Rolling Rock 3-D Seismic Survey: 2010. Advised and monitored surveyors repositioning seismic survey blasting locations to avoid disturbing potential green salamander, timber rattlesnake, Allegheny woodrats, and bat hibernacula sites. Role in project: Field Supervisor.
- Equitrans, LP, Sunrise Pipeline: 2010. Conducted Indiana bat summer mist net survey in Greene County, PA, and Doddridge, Marion, Harrison, and Taylor and Wetzel counties, WV. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Role in project: Project Biologist.
- Columbia Transmission LLC, Line 1278 – Line K Pipeline Replacement: 2010. Conducted endangered bat surveys along a 17-mile natural gas pipeline replacement in Pike County, PA and Orange County, NY. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Role in project: Field Supervisor.
- Wind Energy Insulation Eastern IN: 2010. Completed tier 2 and 3 surveys. Serviced and maintained MET and ground-level AnaBat detectors including: downloading, filtering, and analyzing calls to species level identification. Role in project: Project Biologist.
- Wind Energy Insulation Western IN: 2010. Completed tier 2 and 3 surveys. Serviced and maintained MET and ground-level AnaBat detectors including: downloading, filtering, and analyzing calls to species level identification. Role in project: Project Biologist.
- Columbia County Airport Obstruction Removal: 2010. Conducted mist net surveys, radio-telemetry and acoustic monitoring for the federally endangered Indiana bat on a 12-acre tract of airport property and a portion of an adjacent golf course in Columbia County, NY. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Role in project: Field Supervisor.
- Army National Guard Planning-Level Inventory: 2010. Completed summer mist net and acoustic surveys for endangered bats at Greater Peoria Airport in IL and Jefferson Proving Ground in IN. Responsible for mist net and AnaBat site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Downloaded and processed AnaBat Calls. Role in project: Field Supervisor.
- American Electric Power, Dameron-Sundial 46 kV Transmission Line: 2010. Conducted summer mist netting and portal searches in Raleigh County, WV. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Role in project: Field Supervisor.
- Superior Appalachian Pipeline, LLC, Black Moshannon Pipeline: 2010. Conducted survey for bats along an 8-mile natural gas pipeline in Centre County, PA. Responsible for field crew supervision, mist net site set up and

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Integrated Services

Personal Business Relationships

habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Conducted linear habitat assessments for both eastern small-footed bats and Allegheny woodrats. Role in project: Field Supervisor.

- American Electric Power Fleming to Jenkins Rebuild to Ferrus: 2010. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Role in project: Field Supervisor.
- Superior Appalachian Pipeline, LLC. Karthaus Pipeline: 2010. Conducted a summer mist net survey to determine the presence or absence of Indiana bats along a 7-mile natural gas pipeline in Centre and Clearfield counties, PA. Responsible for field crew supervision, mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Conducted linear habitat assessments for both eastern small-footed bats and Allegheny woodrats. Role in project: Field Supervisor.
- Department of Defense, Fort Drum Army Installation: 2010. Completed Indiana bat habitat and mist net surveys in Jefferson and Lewis counties, NY. Responsible for mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Role in project: Field Supervisor.
- University of Louisiana at Monroe: 2009. Completed freshwater gastropod presents absence survey in eastern and southern regions of AR. Collected freshwater gastropods form 888 sites; identifications were made down to the family level. Role in project: Project Biologist.
- USDA Wildlife Services, TVR Program: 2009. Worked as part of a team of biologist using live traps to target the capture of raccoons and skunks along with other rabies vector species in northeast OH. Trapped, vaccinated, tagged, and released over 350 raccoons. Also collected brainstem material from road kill animals for rabies testing. Role in project: Project Biologist.
- Tennessee Gas Pipeline Company 300 Line: 2009. Completed Indiana bat habitat and mist net surveys in Venango County, PA. Role in project: Assistant Field Supervisor/Project Biologist.
- Department of Defense, Fort Drum Army Installation: 2009. Completed Indiana bat habitat and mist net surveys in Jefferson and Lewis counties, NY. Responsible for mist net site set up and habitat assessment, bat identification, morphometric processing and implementation of White Nose Syndrome protocols. Role in project: Assistant Field Supervisor/Project Biologist.
- Tennessee Gas Pipeline Company, 300 Line: 2009. Participated in eastern massasauga phase II survey at a compressor station site in Venango County, PA. Responsibilities included checking cover boards and recording field data on 20 acres of potentially suitable habitat. Role in project: Project Biologist.
- Equitrans, Ranger Pipeline: 2008. Led field crew to complete field surveys for the endangered Indiana bat along a proposed 70-mile, natural gas pipeline in Martin and Floyd counties, KY. Responsible for mist net and AnaBat site selection, land agent interactions, mist net set up and habitat assessment, AnaBat data collection and analysis, bat identification, and field

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Personal Business Relationships

CMI & Environmental Consultants, Inc.

crew management. Role in project: Field Supervisor.

- TW Philips, Bionol Clearfield Pipeline.: 2008. Supervised mist net survey for federally endangered Indiana bat along a proposed 8-mile pipeline in Clearfield County, PA. Responsible for client/land agent coordination mist net site selection and habitat assessment and bat identification. Role in project: Field Supervisor.
- Pennsylvania Turnpike Commission Southern Beltway Project, Interstate 79 to Mon/Fayette Expressway and Interstate 79 to US Route 22: 2008. Participated in summer mist net surveys for the endangered Indiana bat along 25 miles of proposed roadway corridor in Allegheny and Washington counties, PA. Responsible for mist net site set up and habitat assessment, bat identification, handling and morphometric processing. Role in project: Assistant Field Supervisor/Project Biologist.
- Confidential Client, 250-mile Proposed Natural Gas Pipeline: 2008. Conducted portal searches and mist net site reconnaissance in Greene County, PA. Responsible for land agent interactions, and winter and summer habitat assessments. Role in project: Project Biologist.
- American Electric Power, Wyoming-Jackson's Ferry 765 kV Transmission Line: 2008. Constructed and installed 30 bat boxes, according to U.S. Fish and Wildlife standards, along the VA portion of the ROW within the Jefferson National Forest. Role in project: Project Biologist.
- Consol Pennsylvania Coal Company, Bailey Mine: 2008. Participated in field activities related to production of a Biological Assessment Evaluation to investigate effects of overland conveyor belt and associated facilities on the federally endangered Indiana bat in Greene County, PA. Role in project: Assistant Field Supervisor/Project Biologist.
- Columbia Gas Line O-1821: 2008. Participated in potential roost tree marking along approximately 3.1 miles of pipeline ROW in Guernsey County, OH. Role in project: Assistant Field Supervisor/Project Biologist.
- Department of Defense, Fort Drum Army Installation: 2007. Base-wide bat survey focusing on Indiana bat capture and radio-telemetry in Jefferson and Lewis counties, NY. This survey was initiated due to documentation of an Indiana bat on base property in 2006. Survey efforts included over 80 mist net sites resulting in the capture of 20 Indiana bats. Ten bats were radio-tagged in summer and autumn to document diurnal roosts and night time foraging home ranges. Role in project: Project Biologist.
- Kentucky Department of Fish & Wildlife Resources, Vertebrate Inventory: 2007. All-inclusive vertebrate taxa inventory on five land tracts of two Wildlife Management Areas in western KY. Focal taxa included: amphibians, reptiles, birds, terrestrial mammals, and bats. Assisted with mammal, amphibian, and reptile trapping and mist net survey for bats. Role in project: Assistant Field Supervisor/Project Biologist.
- American Electric Power, 138 kV Transmission Line: 2007. Assisted with endangered bat harp trapping at portals along a proposed 8.3-mile electric transmission line ROW in Floyd County, KY. Role in project: Field Assistant.
- Equitrans, Big Sandy Pipeline: 2007. Participated in mist net surveys at 35 sites along a proposed 68-mile natural gas transmission pipeline in Lawrence, Johnson, and Floyd counties, KY. Assisted with mist net site set

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Integrated Services

Personal Business Relationships

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up and morphometric processing. Role in project: Field Assistant.

- Department of Defense, Naval Support Activity Crane Bat Inventory: 2007. Assisted with mist netting of 30 sites located across approximately 100 square miles of naval base. Assisted with mist net site set up and morphometric processing. Over 500 bats of 8 species, including several Indiana bats (*Myotis sodalis*), were captured. Role in project: Project Biologist.
- Columbia Gas, Ohio Storage Expansion: 2007. Participated in habitat assessment to determine the potential value of forested (roosting) habitat in the project area in Hocking and Fairfield, counties, OH. Role in project: Project Biologist.
- Clover Construction, Eagle Ridge Townhouses: 2007. Constructed and installed 6 bat boxes on a proposed 105-acre residential development in Jefferson County, NY. Role in project: Project Biologist.
- Ohio Frog and Toad Calling Survey: 2005 & 2007 (sponsored by Ohio DNR). Current volunteer for statewide program to inventory anurans calling at different times of year. Established permanent routes to be monitored on yearly basis. Visit sites monthly during early and late spring, identify species, and record calling data. Role in project: Project Biologist.
- Department of Defense, Camp Dawson Collective Training Facility: 2006. Completed a summer mist net survey for endangered Indiana bat at an Army National Guard installation located in north-central WV. Assisted net site reconnaissance, bat habitat assessments; mist net set-up. Assisted in capturing over 300 bats of 8 species, including two species not previously documented on the base. Role in project: Field Assistant.
- Union Pacific Railroad: 2006. Conducted mist netting at 11 sites along a proposed 5-mile railroad right-of-way (ROW) in Gasconade, MO. Four endangered Indiana bats (*Myotis sodalis*) were captured and fitted with transmitters. Diurnal roost and night-time foraging telemetry were conducted. Assisted with mist net site set up, morphometric processing, radio tracking and emergence counts. Role in project: Field Assistant.
- Dominion Transmission, Southern West Virginia Expansion: 2006. Assisted in the completion of mist net surveys for a natural gas ROW expansion in Boone and Wyoming counties, WV. Assisted with mist net site set up and morphometric processing. Role in project: Field Assistant.
- Kentucky Transportation Cabinet, Interstate 66: 2006. Responsible for assisting with the completion of an endangered bat survey along a proposed approximately 9-mile ROW corridor in Pulaski and Laurel counties, KY. Six endangered gray bats (*Myotis grisescens*) were captured. Assisted with mist net site set up and morphometric processing. Role in project: Field Assistant.
- Ohio Bird Survey: 2006. Assisted in the removal of Saw-Whet owls from mist nets and participated in banding and morphometric processing. Role in project: Field Assistant.
- Hocking College: 2004-2005. Built nest boxes for many species such as squirrels, and bluebirds. Monitored bluebird houses on campus. Assisted in surveys for Allegheny Woodrats. Participated in the Youth Hunt at Lake Snowden. Activities in Fish and Wildlife Club. Role in project: Field Assistant.

Senior Leadership

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- Millennium Pipeline: 2005. Assisted with presence/absence mist net surveys for the Indiana bat at 62 sites along a 45-mile proposed natural gas pipeline right of way in Orange and Rockland Counties NY. Thirteen Indiana bats (*Myotis sodalis*) were captured and nine (females) were fitted with radio transmitters. Assisted with mist net site set up, morphometric processing, radio tracking and emergence counts. Role in project: Field Assistant.
- Hocking College: 2005. Tutored students in Water Quality Testing, Placement and Setup of Hoop, Modified, and Trap Nets, Aquatic Plant Identification, Tree Identification, Aquatic Vertebrate Identification, and Fish Identification. Operated Chainsaws, Brush Saw, Motorboats, ATVs, and Passenger Vehicles. Assisted in grading students' performances. Trapped, Transported, and Released a black bear from a culvert trap. Role in project: Field Assistant.
- Ohio Bird Survey: 2004. Monitored and repaired kestrel nesting boxes in spring and assisted in the banding of adults and juveniles. Role in project: Field Assistant.
- West Virginia Division of Natural Resources, 2004. Collected biological information (age-specific physical characteristics) on harvested white-tail deer. Role in project: Field Assistant.
- West Virginia Division of Natural Resources: 2004-2005. Participated in a deer drive census on Blennerhassett Island for population management. Role in project: Field Assistant.

PROFESSIONAL AFFILIATIONS

The Wildlife Society

Senior Leadership

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Personal Business Relationships

CMIL & Environmental Consultants, Inc.

CURRENT POSITION

MAMMALOGIST, Wildlife Specialists, LLC, Wellsboro, Pennsylvania

PREVIOUS POSITIONS

ZOOLOGIST/ MAMMALOGIST, The PA Natural Heritage Program – Western Pennsylvania Conservancy (formerly with The Nature Conservancy), Matt Kowalski- Terrestrial Zoology Supervisor

ASSOCIATE POSITIONS (Unpaid)

FIELD ASSOCIATE, The State Museum, Harrisburg, Dr. Walter Meshaka, Curator of Botany and Zoology

BIODIVERSITY RESEARCH TEAM MEMBER, Turks and Caicos International Trust, United Kingdom Overseas Territories Conservation Forum

CONSULTANT MAMMALOGIST, The Pennsylvania Game Commission, Dan Brauning- Supervisor- Wildlife Diversity Section

EDUCATION

MASTER OF SCIENCE, Biology-Shippensburg University-1991

BACHELOR OF SCIENCE, Biology-Shippensburg University-1988

Minor: History, Honors: Deans List, semester I, 1987-88.

CONTINUING EDUCATION

ESRI ARCGIS TRAINING- 16 hours

THE WILDLIFE SOCIETY- Various annual workshops concerning conservation planning, grant writing, radio tracking, survey methods and others.

CURRENT PROFESSIONAL RESPONSIBILITIES

- Update the comprehensive database of mammal specimens with information on Pennsylvania specimens housed at various institutions across the nation.
- Prepare annual Terrestrial Small Mammal Survey report for the Bureau of Wildlife Management's Wildlife Diversity section of the Pennsylvania Game Commission.
- Install and curate the Shippensburg University Vertebrate Museum collection of over 30,000 specimens into The State Museum of Pennsylvania's Mammal and Herptile Collections.
- Prepare, catalog and install, into the State Museum Collections, all mammal specimens taken

- during present research.
- Carry out mammal surveys at various County Natural Area Inventory sites as directed by the CNAI Coordinator of the PA Natural Heritage Program (PANHP).
- Prepare and review Management Plans for various “Special Concern” Pennsylvania mammal species.
- Coordinate and carry out field research and extensive habitat surveys during a wide variety of projects including mammalian distributions, winter and summer bat surveys and surveys for “Special Concern” mammals.
- Update the Pennsylvania Natural Diversity Inventory (PANHP) with information gathered from field research and surveys.
- Create conservation and review buffer protocols for all mammal species for inclusion in the HGIS review system.
- Prepare and present various educational talks and displays on mammals at State Parks, Museums and schools.
- Serve as Recording Secretary to the Pennsylvania Mammal Technical Committee of the PBS.
- Update and oversee, as needed, the PGC’s Terrestrial Small Mammal Survey Database.

PREVIOUS PROFESSIONAL POSITIONS

GAME FARM WORKER/BIOLOGIST, Pennsylvania Game Commission (11/91 to 7/94)

- Carried out field investigations concerning a variety of “Special Concern” mammal species including the Allegheny woodrat (*Neotoma magister*), the least shrew (*Cryptotis parva*), northern flying squirrel (*Glaucomys sabrinus macrotis*) and all Chiropteran species. The work area encompassed all of Pennsylvania.
- Carried out environmental impact studies concerning state threatened and endangered species including the Indiana bat, *Myotis sodalis*, and forwarded all information to PNDI.
- Prepared and curated all PGC specimens, both birds, mammals and herptiles, obtained through field collection for inclusion in the Shippensburg University Vertebrate Museum and the PGC training collection.
- Served as a facilitator at the PGC-sponsored Bat Conservation, International workshops in Huntingdon County, PA.
- Assisted with various ongoing long-term ecology research in Clearfield, Snyder and Cumberland Counties.
- Conducted various seminars and programs for educators and taught mammalogy at the Nolde Forest Environmental Education Center.
- Conducted research on chiropteran species in New York, West Virginia and Maryland and assisted with conservation programs concerning the protection of critical bat habitat.

ASSISTANT CURATOR OF MAMMALS, Shippensburg University Vertebrate Museum (1993-2000)

VERTEBRATE MUSEUM TECHNICIAN/GRADUATE ASSISTANT, Shippensburg University (1/89-12/93). Shippensburg University Vertebrate Museum (director - Dr. Gordon L. Kirkland, Jr.-deceased)

- Cataloged and curated vertebrate museum collection.
- Designed and carried out field research including various bat research projects including

echolocation surveys, hibernacula and summer habitat surveys and bat habitat evaluations as well as woodrat (*Neotoma magister*) projects.

- Developed and maintained PA. Game Commission training collection.
- Assisted with the training of prospective Wildlife Conservation Officers on mammal identification
- Designed Vertebrate Museum displays on a variety of topics.
- Led tours of museum for outside educational and professional organizations.
- Lectured in General Ecology and undergraduate Mammalogy.
- Conducted karyotyping experiments.

INDEPENDENT CONSULTANT TO FUNDAECO (GUATEMALA) (5/93-6/93)

- Trained biologists in the use of climbing techniques in order to carry out studies of howler monkeys (*Alouatta pigra*).
- Mist-netted and studied bats in the Cerro San Gil and Sierra de Santa Cruz mountains.

INDEPENDENT CONSULTANT TO WESTERN PA. CONSERVANCY (6/93-7/93)

- Performed a survey of sites within the southern portion of the Allegheny National Forest to determine the occurrence and distribution of the water shrew (*Sorex palustris*) and the rock shrew (*Sorex dispar*).

RESEARCH TEAM MEMBER, Institute of Wildlife Toxicology (4/89-7/89)

GENETICS LABORATORY ASSISTANT, Shippensburg University (9/86-5/88)

RESEARCH AND ACCOMPLISHMENTS

- Conducted bat surveys at Valley Forge National Historic Site (NHS), Hopewell Furnace NHS, Eisenhower NHS and Gettysburg National Military Park.
- Served as “Cave Specialist” during the 2005 TCI Biodiversity Expedition to Middle and East Caicos Islands, southern Bahamas.
- Currently listed with the USFWS as a recognized and qualified Indiana Bat Surveyor.
- Mammal survey of the Pine Creek Gorge, Tioga County, Pennsylvania.
- Mammal and bat surveys of Fort Indiantown Gap and the Tobyhanna Army Depot.
- Investigated the status of the least shrew (*Cryptotis parva*) at historical sites throughout Pennsylvania for both the PA Game Commission and the Natural Heritage Program.
- Initially developed the Important Mammal Areas program concept for the Mammal Technical Committee as part of PGC responsibilities.
- Assessed small mammal utilization of the periodical cicada on South Mountain, Cumberland County, PA.
- Survey of small mammals of the Cranberry Lake region of the Adirondack Mountains of New York for the New York State Museum.
- Analysis of the responses of small mammals to periods of precipitation.
- Investigation of the status and habitat utilization of lasiurine bats and other bat species in Pennsylvania.

- Assisted with the radio tracking of bats in Pennsylvania for the PGC.
- Carried out radio tracking of woodrats in West Virginia with Dr. John Hall and Wildlife Biologist Craig Stihler, WVa DNR..
- Surveyed bats within the El Estor area of the Rio Palochic Delta in Guatemala.

PRESENTATIONS AND REPORTS

- “A Visit to the Turks and Caicos Islands”. 2006 Spring meeting of the Mid Appalachian Region of the National Speleological Society.
- “An update on several Special Concern mammal species in Pennsylvania including the northern water shrew, *Sorex palustris albibarbis* and least shrew, *Cryptotis parva*”. 2005 Annual Meeting, The PA Chapter of The Wildlife Society, State College, PA.
- “The PA Comprehensive Mammal Specimen Database”. 2004 Annual Meeting, The PA Chapter of The Wildlife Society, State College, PA.
- “Threatened and Endangered mammal species of Pennsylvania”. 2002. Training presentation to the Society of Pennsylvania Rehabilitators for the Pennsylvania Game Commission.
- “Significance of buildings and abandoned tunnels to bat conservation in Pennsylvania”. Jerry D. Hassinger, Calvin M. Butchkoski, Emanuel T. Posluszny and James A. Hart. 1999. The Wildlife Society National Meetings, Austin Texas.
- “A proposed general Hibernacula Management Plan for Pennsylvania”. The 54th Annual Northeast Fish and Wildlife Conference, Camp Hill, Pennsylvania, 1998
- “An Update on the status and conservation of Pennsylvania’s cave-dwelling bats”. 27th Annual North American Symposium on Bat Research, Tucson, Arizona, 1997. Also presented at the annual meeting of the Pennsylvania Chapter of The Wildlife Society.
- “Recent Records of some Pennsylvania mammals of Special Concern”. Vertebrate Museum Symposium on Pennsylvania Vertebrate Biology, Shippensburg University, 1996. Also presented at the 1998 Annual Meeting of the Pennsylvania Academy of Sciences.
- “Survey of tree bats (Genus *Lasiurus*) in South-central Pennsylvania”. Annual Meeting, The Pennsylvania Academy of Science, April 1992.
- “Survey of tree bats (Genus *Lasiurus*) in South-central Pennsylvania”. Final report, PA. Wild Resources Conservation Fund. March 1992.
- “Status of the least shrew (*Cryptotis parva*) in South-central Pennsylvania”. Annual Meeting, The Pennsylvania Academy of Science, April 1990.
- “Exploitation of the periodical cicada (*Magicicada septendecim*) by the white footed mouse (*Peromyscus leucopus*)”. Pennsylvania Chapter of the American Wildlife Society, March 1989.
- Professional presentations to various audiences concerning bats, small mammals and general ecology.

PUBLICATIONS

- James A. Hart, Thomas Wampler, Philip Krutzsch. The Seminole bat (*Lasiurus seminolus*) and Virginia big-eared bat (*Corynorhinus townsendii virginianus*) in Pennsylvania. 2009. Bat Research News 50:1-4.
- *Sorex palustris albibarbis*, *S. p. punctulatus*, *S. dispar*, *Cryptotis parva* and *Microtus chrotorrhinus* species accounts for “The vertebrate species of special concern in Pennsylvania” (Currently under review for publication in 2009)
- James A. Hart and Dr. Walter Meshaka, Curator of the State Museum of Pennsylvania. A Manual of Procedures and Techniques for the Preparation and Installation of Vertebrate Specimens. (In prep. For the State Museum of PA).
- Calvin Butchkoski, James A. Hart and Jerry Hassinger. An update on the status and conservation of Pennsylvania’s cave-dwelling bats. (In prep.).
- James A. Hart, Timothy McCarthy. Analysis of barn owl (*Tyto alba*) pellets from the island of Dominica. (In prep.)
- Gordon L. Kirkland, Jr., and James A. Hart. 1999. Recent distributional records for ten species of small mammals in Pennsylvania. The Northeastern Naturalist 6:1-18.
- Felbaum, F., B. Mitchell, K. McKenna, J. Hassinger, A. Shiels, J. Hart, and D. Brauning. 1995. Endangered and Threatened Species of Pennsylvania. Wild Resource Conservation Fund, Harrisburg, PA. 80 pp.
- James A. Hart, G.L. Kirkland, Jr., and S.C. Grossman. 1993. Relative abundance and habitat use by tree bats, *Lasiurus* spp., in Southcentral Pennsylvania. Canadian Field Naturalist, 107 (2):208-212.

PROFESSIONAL AFFILIATIONS

American Society of Mammalogists since 1998

National Speleological Society since 1978 (Franklin County Grotto, York Grotto)

Bat Conservation International since 1988

Associate member of the Sigma Xi Research Society

Pennsylvania Chapter of The Wildlife Society since 1989

Mammal Technical Committee of the Pennsylvania Biological Survey since 1989.

Serving as Recording Secretary since 1991.

Pennsylvania Academy of Science

Reviewer for the Journal of the Pennsylvania Academy of Science and guest editor for Northeastern Naturalist.

Associate Member, American Museum of Natural History

Field Associate of the Pennsylvania State Museum

The Nature Conservancy

The Western Pennsylvania Conservancy

ACTIVITIES

Founded the Shippensburg University Outing Club in 1973.
Volunteer firefighter from 1976-1979.
Exploration of over 700 caves in PA., W.VA., VA., IND., and KY.
Camping and hunting

A Compendium of bat projects conducted over previous 18 years (Not including Wildlife Specialists work)**As Pennsylvania Game Commission BioAid- 5 years**

- **Conducted 5 years of Winter Bat Hibernacula Surveys and created the Bat Hibernacula Survey Database for the Pennsylvania Game Commission**
- **Coordinator for the Pennsylvania Summer Bat Maternity Colony Survey and created the original survey database for the Pennsylvania Game Commission**
- **Facilitator at the annual Bat Conservation International Workshop for 5 years. Taught participants how to erect mist nets, elevated mist net systems, harp traps and bat identification in conjunction with the workshop taught by Dr. Merlin Tuttle, Director of BCI.**
- **Conducted annual bat trapping at mines, caves and tunnels during spring migration and fall swarming seasons.**
- **Conducted Indiana bat trapping surveys as needed at both winter hibernacula and suspected summer maternity habitat.**
- **Gated priority bat hibernacula throughout Pennsylvania including the U.S. Steel Mine- Armstrong County, ██████████ Somerset County, Canoe Creek Mine- Blair County, Mount Rock Cave- Mifflin County, Joe Raab (Strickhouser) Iron Mine #1- York County, Strangford Cave and others- Indiana County, Durham (Rattlesnake Hill) Mine- Bucks County**
- **Assisted with Indiana bat telemetry projects as needed**
- **Created the Pennsylvania Hibernacula Management Plan**

As Pa Natural Heritage Program employee (with The Nature Conservancy and The Western Pennsylvania Conservancy- 11 years

- **Wind Energy Bat Acoustic monitoring of 4 sites in Luzerne and Northumberland Counties for Wildlife Specialists, Inc.**
- **A survey for Indiana bats at French Creek State Park for the Department of Conservation and Natural Resources**
- **Bat community surveys at Sinnemahoning State Park for the Department of Conservation and Natural Resources**

- General surveys, both winter hibernacula surveys and spring and fall trapping surveys during small mammal inventory work
- General inventory surveys of the bats of Gettysburg National Military Park, Eisenhower National Historic Site, Hopewell Furnace National Historic Site and Valley Forge National Historic Park
- Various general inventory surveys for the County Natural Inventory Surveys including surveys for eastern small-footed bats (*Myotis leibii*) in Carbon Co., general surveys in Mifflin and Juniata Counties
- Indiana bat trapping surveys at Hartman Cave, Monroe County
- General bat species inventory work at Fort Indiantown Gap- Lebanon County
- Targeted Indiana bat surveys at Fort Indiantown Gap as part of MPTR training range mitigation
- Spring migration surveys for Indiana bats at Gettysburg National Military Park

Independent or consultant work

- Assisted with Indiana bat surveys along Martinsburg Bypass with Bat Conservation and Management, Inc. (John Chenger- owner)
- Surveys for *Tonatia* bat species in Guatemala as well as general bat surveys
- Batwork and cave surveys for biodiversity study of Middle and East Cacios Islands in southern Bahamas with Dr Tony Hutson from the United Kingdom and Tim McCarthy from the Carnegie Museum Section of Mammals
- Bat surveys in Huntingdon County with Dr. Jiri Gaisler, Czech Republic, advisor to BCI and European Bat Specialist Group



RYAN A. SLACK

PROJECT MANAGER II

Mr. Slack is a Project Manager responsible for researching, developing, and implementing cost-effective field investigations on wetland delineations, threatened and endangered species surveys, stream habitat assessments, and Clean Water Act permitting. His daily responsibilities include writing and editing project reports, designing study plans using the most current scientific methods, and qualitative/quantitative interpretation of project data. He is listed by the Pennsylvania Game Commission as a Qualified Indiana Bat Surveyor and is familiar with several state and federal protocols for surveying bats, which have included White Nose Syndrome decontamination and wing damage index scoring. Prior to joining CEC, Mr. Slack spent 16 years with other firms in the private environmental consulting arena, supervising field investigations for large and small research projects.

PROJECT EXPERIENCE

- Hibernacula surveys for signs of white nose syndrome at known Indiana bat hibernacula throughout eastern Kentucky in conjunction with the Kentucky Dept. of Fish and Wildlife Resources (KDFWR). Role in project: Field Ecologist.
- Indiana bat survey for a proposed wind farm. Led radio tracking effort of several foraging and roosting Indiana bats in Hardin and Champaign County, Ohio. Role in project: Field Supervisor.
- Indiana and gray bat monitoring at Fort Campbell Military Reservation, Trigg and Christian counties, Kentucky and Stewart and Montgomery counties, Tennessee. Role in project: Project Manager.
- Indiana bat survey for the proposed Boy Scouts of America's National Scouting Center, Fayette County, West Virginia. Role in project: Project Manager.
- Indiana Bat Survey for a Proposed Natural Gas Pipeline, Spectra Energy, Greene, York and Adams County, PA — Mr. Slack managed an Indiana bat survey along a 25-mile pipeline in Greene, York, and Adams County, Pennsylvania. He was responsible for all aspects of the project including study plans, coordinating with the USFWS, field crew management, and report of findings. Role: Project Manager.
- Indiana bat survey on a proposed wind farm in Knox and Henry counties, Illinois. Role in project: Project Manager.
- Bird (MBTA) surveys for the Keystone Pipeline, Missouri, Illinois, North and South Dakota. Raptor and songbird nest surveys were conducted along the proposed pipeline ROW during construction. Marked raptor trees and songbird nests, applied appropriate buffers, and monitored activity during all phases of construction. Role in project: Project Manager.
- Wetland restoration and monitoring for the Brianna Rose mitigation site in Jackson County, Ohio. Role in project: Project Manager.
- Indiana bat habitat assessment and survey for the Blue Grass Army Depot, Madison County, Kentucky. Role in project: Project Manager.
- Indiana Bat Survey and Tree Clearing Supervision for Rockies Express

EDUCATION

BS, Wildlife Science, Purdue University

TRAINING

USFWS Biological Assessment Training, 2009

Bats and Wind Energy Workshop, Austin TX, 2009

First Aid, CPR, Oxygen Delivery, 2008

Indiana DOT Ecological and NEPA Training, 2007

Ohio Department of Transportation, Ecological Training, 2006

Ohio Department of Transportation, Waterways Permitting Training, 2006

U.S. Fish and Wildlife Service, Endangered Species Consultation in Ohio, 2005

Interagency Consultation for Endangered Species, U.S. Fish and Wildlife Service, 2003

Ohio Department of Transportation, Categorical Exclusion (CE), 2001

Ohio Environmental Protection Agency, Ohio Rapid Assessment Method (5.0) (wetlands), 2001

Ohio Environmental Protection Agency, Stream Qualitative Habitat Evaluation Index (QHEI), 2000

Global Positioning System Operator training (Trimble PRO XR), 1996

USFWS Habitat Conservation Planning (HCP) for Endangered Species Training, 2010



Pipeline, Kinder Morgan, multiple counties across MO, IL, and OH — Mr. Slack managed an Indiana bat survey along a proposed pipeline in Missouri, Illinois, and Ohio. He was responsible for all aspects of the project including study plans, coordinating with the USFWS, field crew management, and report of findings. Role: Project Manager.

- Pallid bat habitat assessment on the Plumas National Forest, California. Role in project: Project Manager.
- Implementation of Integrated Vegetative Management Plan along pipeline rights-of-way in Indiana and Kentucky. Role in project: Project Manager.
- Indiana bat Survey for the US-35 Realignment Project, West Virginia Division of Highways (WVDOH), Mason and Putnam Counties, WV — Mr. Slack conducted investigations regarding presence of Indiana bats along multiple road realignments in Mason and Putnam counties, West Virginia. He was responsible for conducting the surveys and preparing the report. Role: Project Manager.
- Wetland restoration and monitoring for the Koetter Fivestar Properties Wetland Mitigation Site in Clark County, Indiana. Role in project: Project Manager.
- Gray bat radio tracking survey for the Tennessee Army National Guard-Volunteer Training Site in Catoosa County, Georgia. Role in project: Project Manager.
- Jurisdictional waters determination and Indiana bat survey for the Proposed Seven Hills Surface Coal Mine on a 2,420-acre Parcel, Warrick County, Indiana. Role in project: Project Manager.
- Green River mussel survey for the Green/Taylor Water District Proposed Waterline Extension Project in Green County, Kentucky. Role in project: Project Ecologist.
- Jurisdictional waters determination for Jim Beam Brands on a 100-acre Parcel in Nelson County, Kentucky. Role in project: Project Manager.
- Indiana bat survey for the Wright Patterson Air Force Base in Greene and Montgomery Counties, Ohio. Role in project: Project Manager.
- Wabash River mussel survey for an Indiana Department of Transportation (INDOT) proposed bridge replacement in Cass County, Indiana. Role in project: Project Manager.
- Stream and wetland impacts assessment and Clean Water Act 401/404 permitting at the Jim Beam Booker Noe Distillery, Nelson County, Kentucky. Role in project: Project Manager.
- North Carolina Department of Transportation (NCDOT) mist net survey for Indiana bats in Macon and Swain counties, North Carolina. Responsible for on-site survey implementation, species identification, and USFWS coordination. Role in project: Project Ecologist.
- Participated in biomonitoring study of fog oil use at Fort Leonard Wood. Activities included biannual sampling of water, substrates, macroinvertebrates, fish, diatoms, and riparian vegetation monitoring from potentially affected stream reaches and reference reaches. Role in project: Project Biologist.

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- Conducted annual nest box monitoring for the West Virginia northern flying squirrel (WVNFS) at Snowshoe, Pocahontas County, West Virginia. Role in project: Project Biologist.
- Assisted the West Virginia Division of Natural Resources with annual nest box monitoring for the West Virginia northern flying squirrel (WVNFS) in Randolph, Pocahontas, and Tucker counties, West Virginia. Role in project: Project Biologist.
- Assisted with biological assessment and completed supporting field work needed to assess effects to Indiana bats for a proposed US Army Reserve Facility near Twinsburg in Summit County Ohio. Role in project: Project Biologist.
- Endangered Species Act and NEPA compliance for Segment 5 of the proposed Interstate 69 for Indiana DOT. Conducted investigations regarding presence of the Indiana bat along Segment 5, including: mist net surveys at 24 sites, ultrasound detection using AnaBat II, radiotelemetry, roost tree emergence counts, bridge surveys, and inspections of hibernacula (caves) within a 2.5-mile wide zone around Segment 5. Assisted preparation of sections of the EIS addressing T&E species. Role in project: Project Biologist.
- Assisted in preparation of an Environmental Assessment and Finding of No Significant Impact of the proposed construction and operation of facilities for the U.S. Army Reserve, 81st Regional Readiness Command near Raleigh, North Carolina. Made a field visit and completed an Environmental Baseline Survey on the 18-acre property. Role in project: Project Biologist.
- Mist net surveys for the Indiana bat in Logan, Boone, and Kanawha counties, West Virginia for various mining companies. Responsible for site selection, mist net set up, site characterization and taxonomic identification of several species of bats, and reporting. Role in project: Project Field Supervisor.
- Participated in an ongoing study in portions of Elijahs Creek and Gunpowder Creek affected by ethylene glycol release from the Cincinnati/Northern Kentucky International Airport. Water quality was compared between affected reaches and reference reaches by collecting and analyzing water, diatom, and macroinvertebrates, and conducting stream habitat assessments. All surveys were conducted according to methods and criteria contained in the Kentucky Division of Water (KDOW) Biological Assessment Methods. Role in project: Project Biologist.
- Completed a "Joint Application for Construction within a Floodway of a Stream or River" for proposed pipeline maintenance activities within three river crossings, one in Delaware County, one in Putnam County, and one in Parke County, all in Indiana. Role in project: Project Biologist.
- Completed a pedestrian reconnaissance of a pipeline reroute in Marion County, Ohio to survey for wetlands, streams, and suitable habitat for federally listed species within the ROW. Completed ORAM evaluations of any identified wetlands located within the existing ROW and stream evaluations according to methods and criteria contained in Ohio's Qualitative Habitat Evaluation Index (QHEI) protocol. All locations were mapped using GPS technology. Surveyed for suitable habitat for, and incidental observations of, the federally protected species. Role in project: Project Biologist.

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- Conducted planning level surveys for the U.S. Army Reserves, 99th Regional Support Command to determine presence and distribution of the Indiana bat and bald eagle on Keystone Local Training Area (LTA) in Crawford County, Pennsylvania. Evaluated habitat suitability for the eastern massasauga rattlesnake and identified, delineated, and mapped waters of the United States (wetlands and streams). Results of planning level surveys will be used to support development and implementation of the Keystone LTA Integrated Natural Resource Management Plan (INRMP). Role in project: Project Biologist.
- Jurisdictional waters determination of a 50-foot (ft) wide pipeline ROW in Summit, Wayne, Medina, and Cuyahoga counties, Ohio, for wetlands, streams, and suitable habitat for federally listed species within the ROW. Completed ORAM evaluations of any identified wetlands located within the existing ROW and stream evaluations according to methods and criteria contained in Ohio's Qualitative Habitat Evaluation Index (QHEI) protocol. All locations were mapped using GPS technology. Surveyed for suitable habitat for, and incidental observations of, the federally protected species. Role in project: Project Biologist.
- Completed a KYTC environmental survey and ecological report for a proposed Industrial Road Widening Project, Boone and Kenton County, Kentucky which included macroinvertebrate surveys, fish surveys, stream habitat assessments, and a wetland delineation using the KDOW Biological Assessment Methods. All surveys along the proposed ROW were conducted according to methods and criteria contained in the KDOW Biological Assessment Methods. Role in project: Project Biologist.
- ODOT environmental survey and level II ecological report for proposed US 68 Highway Safety Project, Clinton County, Ohio. Role in project: Project Biologist.
- ODOT environmental survey for level II ecological report for proposed State Route 132 Widening Project, Clermont County, Ohio. Role in project: Project Biologist.
- Led mist net surveys for Indiana bats in Swain and Graham Counties, North Carolina. Responsible for mist net set up, site characterization, and taxonomic identification of several species. Role in project: Project Biologist.
- Led radiotelemetry surveys for the Indiana bat and gray bat in Trigg and Christian counties, Kentucky, and Stewart and Montgomery counties, Tennessee. Responsible for mist net set up, site characterization, and taxonomic identification of several species. Performed radiotelemetry surveys on one Indiana bat and two gray bats. Role in project: Project Field Supervisor.
- Conducted avian point count surveys for Ft. Leonard Wood, Missouri; responsible for identification of bird species by sight and sound. Role in project: Project Biologist.
- Developed Indiana bat autumn radiotelemetry report, Indiana bat summer habitat analysis report, and a BA/BE for a 90-mile proposed powerline in West Virginia and Virginia. Species included in the BE were 174 Jefferson National Forest threatened, endangered, and sensitive (TES) species. Species included in the BA were small-whorled pogonia, shale barren rock cress (*Arabis serotina*), smooth coneflower (*Echinacea laevigata*), Virginia

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spirea (Spiraea virginiana), and Indiana bat. Role in project: Project Biologist.

- Participated in development of a programmatic BA for the Forest Service Management Plan on Huron-Manistee National Forest, Michigan covering the following species: piping plover, piping plover critical habitat, karner blue butterfly (Lycaeides melissa samuelis), Indiana bat, and eastern massasauga rattlesnake. Role in project: Project Biologist.
- Conducted harp trapping survey for endangered bats in abandoned mine portals along proposed US 33 Nelsonville bypass, Hocking and Athens County, Ohio. Role in project: Project Biologist.
- Managed a sensitive bird species survey at Chippewa National Forest, Minnesota using audio response and visual techniques. Species included: black-throated blue warbler, bay-breasted warbler, Connecticut warbler, olive-sided flycatcher, and black-backed woodpecker. Discovered Connecticut warbler territories in several areas and observed signs of black-backed woodpeckers. Role in project: Project Field Supervisor.
- Conducted harp trapping survey of abandoned mine portals for proposed Coalfields Expressway in Buchanan and Wise Counties, Virginia. Role in project: Project Biologist.
- Completed Section 401 and 404 permits with stream and wetland mitigation plan for State Route 7 bypass in Lawrence County, Ohio. Role in project: Project Biologist.
- Participated in an ongoing water quality study of the Mill Creek in Hamilton County, Ohio. Water chemistry and macroinvertebrate samples were collected in areas of the Mill Creek affected by municipal sewage overflow and analyzed and compared to data from previous years. Role in project: Project Biologist.
- Conducted wetland and stream delineation and completed Section 401 and 404 permitting with stream mitigation plan for proposed flood prevention berm in Mount Vernon, Ohio. Role in project: Project Biologist.
- Conducted wetland and stream delineation for a 362-acre site in Vinton County, Ohio Completed applications for Section 401 and 404 permitting including stream relocation and wetland mitigation plans. Role in project: Project Biologist.
- Assisted in vegetation monitoring and wrote subsequent report for wetland mitigation project near Tell City in Perry County, Indiana. Role in project: Project Biologist.
- Conducted a terrestrial survey delineating wetlands and assessing presence of endangered species along 34 miles of proposed pipeline in Lorain County, Ohio. Role in project: Project Biologist.
- Conducted wetland delineations and obtained permits for a proposed park near Xavier University, Hamilton County, Ohio. Wetland education and restoration of existing wetlands were incorporated in mitigation. Role in project: Project Biologist.
- Obtained proper permits and collected non-endangered songbirds at Fort Leonard Wood, Missouri. Dissected birds lungs and tissues were sent to lab for analysis. Contaminant levels were quantitatively compared for an

Senior Leadership

Integrated Services

Personal Business Relationships

CML & Environmental Consultants, Inc.

Environmental Assessment. Role in project: Project Biologist.

- Conducted an autumn migratory bird survey for species inventory database at Wright-Patterson in Dayton, Ohio. Role in project: Project Biologist.
- Conducted an Environmental Assessment and bird survey for a 42-mile natural gas pipeline right-of-way in Champaign, Vermillion, and Douglas counties, Illinois. Role in project: Project Biologist.
- Collected habitat field data along a proposed natural gas pipeline corridor in several counties of eastern Iowa and northern Illinois for a proposed gas pipeline. Evaluated habitat, identified roost trees, and mist-netted high quality habitat to determine impacts to Indiana bat summer habitat. Role in project: Project Biologist.
- Conducted a mist-net survey for presence of Indiana bats throughout Camp Atterbury, Bartholomew County, Indiana. Role in project: Project Biologist.
- Conducted a mist-net survey in three districts of the Cherokee National Forest. Discovered first gray bat population known on the Forest. Role in project: Project Biologist.
- Conducted surveys for significant ecological features (wildlife, streams, wetlands, vegetative communities) through gopher tortoise and eastern indigo snake habitat along a proposed fiber optic cable right of way through western Alabama, Mississippi, and eastern Louisiana. Mapped all gopher tortoise sightings and burrows with GPS technology. Role in project: Project Biologist.
- Conducted bat survey, including Indiana bats, for hibernaculum census of an abandoned limestone mine in Preble County, Ohio. Role in project: Project Biologist.
- Participated in survey for bats in abandoned mine openings throughout Pennsylvania. Species captured included *Myotis lucifugus* and *Myotis septentrionalis*. Role in project: Project Biologist.
- Participated in wildlife and habitat survey at Fort McClellan, Alabama including mist netting for bats, seining for fish, and collection of insects. The habitat survey included collection of soil, water, sediment, and vegetation. Tested water samples for dissolved oxygen, temperature, dissolved solids, hardness, and pH. Role in project: Project Biologist.
- Conducted population and behavioral surveys of bald eagles and mist netting, harp trapping, swarming chronology, and radio telemetry studies on endangered bats at Fort Leonard Wood, Missouri. Studies assessed potential impacts to suitable Indiana bat, gray bat, and bald eagle habitat. Role in project: Project Biologist.
- Participated in artificial bat roost monitoring, mist netting, and radio telemetry for mitigation of the loss of summer habitat suitable for Indiana bats on the Indianapolis International Airport, Indiana. Role in project: Project Biologist.
- Indiana bat survey for a proposed coal mine permit area and air shaft. Visually inspected individual bat roost trees along Captina Creek to determine use by bats during evening hours, Belmont County, Ohio. Role in project: Project Manager and Field Supervisor.
- Conducted an Indiana Bat presence/absence mist net survey at a CSX site

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Personal Business Relationships

CML & Environmental Consultants, Inc.



for a proposed Ohio River Harbor Expansion project, Wetzel County, WV.
Role in project: Project Manager

- Conducted an Indiana bat mist net survey on a 708-acre proposed coal permit site near Steubenville, in Jefferson County, Ohio. Role in project: Project Manager.
- Conducted an Indiana bat mist net survey at a proposed quarry site near West Bolivar, Westmoreland County, PA. Role in project: Project Manager.
- Conducted bat hibernacula surveys in caves in southeastern Kentucky to assess the health of Kentucky's bat populations with the imposing threat of White Nose Syndrome. Role in project: Project Manager and Field Supervisor.
- Part of a team that conducted Indiana bat surveys on Fort Drum military reservation with mist nets and Anabat detector units at 40 sites according to specified protocols. Role in project: Project Manager
- Conducted Indiana bat presence/absence surveys at five proposed coal mining operations in Jackson, Athens, Perry, and Guernsey counties, Ohio. Role in project: Project Manager and Field Supervisor.
- Indiana bat mist net survey and long term acoustic monitoring survey with Anabat detectors for a proposed wind farm in Logan County, Illinois. Role in project: Project Manager and Field Supervisor.
- Indiana bat survey for a proposed wind farm. Led foraging and roosting radio tracking effort of several Indiana bats and conducted roost tree emergence counts in Randolph County, Indiana and Darke County, Ohio. Role in project: Project Manager and Field Supervisor.
- Indiana bat mist nets survey for a proposed wind farm in Mason County, Illinois. Role in project: Project Manager and Field Supervisor.
- Indiana Bat Survey for a Proposed Wind Farm, Invenergy, Randolph County, IN and Darke County, OH — Mr. Slack led foraging and roosting radio tracking efforts of several Indiana bats and conducted roost tree emergence counts in Randolph County, Indiana and Darke County, Ohio. Role: Project Manager and Field Supervisor.

PUBLICATIONS

Baker, M.D., M.J. Lacki, G.A. Falxa, P.L. Droppelman, R.A. Slack, and S.A. Slankard. 2008. Habitat Use of Pallid Bats in Coniferous Forests of Northern California. Northwest Science 82(4):269-275.

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Integrated Services

Personal Business Relationships

CML & Environmental Consultants, Inc.



EDUCATION:

B.S., Geology, 1984,
University of Kentucky

**PROFESSIONAL
REGISTRATIONS AND
CERTIFICATIONS:**

Professional Geologist, PA,
KY, AL, NC, IN

YEARS OF EXPERIENCE:
33 Years

RELEVANT TRAINING

OSHA Certified for Hazardous
Waste Site Activities

American Red Cross First Aid
and CPR

OSHA 40-Hour Hazardous
Waste Operations and
Emergency Response

Civil and Engineering
Course Work, Tri-State
University, Angola, IN

During the past 33 years, Mr. Bell has acquired expertise in coal and non-coal property reserve estimates and valuations; conducting geologic site investigations, interpretations, and aquifer identifications; developing core drilling and sampling programs; geophysical log interpretations; regional groundwater assessments; anthracite culm/silt bank evaluations; report preparation; geologic field mapping; computer-generated isopach/isopleth map development; comprehensive environmental permit preparation; NPDES permitting; sampling schedules and sample collection techniques; field surveying; soil testing procedures; geologic and water sampling procedures; assessment of acid-based accounts; evaluation of environmental hazards associated with mining activities; project management; and providing expert testimony for clients on a variety of several litigation cases.

PROFESSIONAL EXPERIENCE

As a Senior Geologist, Mr. Bell has been Principal Investigator on numerous mineral reserve assessments throughout the major coal producing basins within the United States as well as in Northern Turkey, New South Wales, Australia and in the Latrobe Valley, Victoria, Australia. His duties have included: the design and supervision of drilling programs to gather confirmatory coal thickness data, quality information, and roof stratigraphy; review and confirmation of existing drill data and electronic geophysical logs; determination of in-place reserves; coal quality assessments; development of site geologic structure and stratigraphic mapping; mineral valuations, and recommendations for additional exploration activities. Mr. Bell has completed numerous projects serving as the Principal Investigator, performing detailed reserve confirmation studies for several large mid-western United States coal reserves. These reserves could then be used as a potential future fuel supply for Skelly and Loy's utility clients. During these projects, Mr. Bell was responsible for developing computer generated seam thickness contour isopach mapping, analyzing the coal seam structure, and the calculation of in-place reserve tonnages. Mr. Bell was also called upon to be an expert witness in a dispute before a contract arbitration board where the geologic site conditions encountered by Skelly and Loy's client differed significantly from those presented in the original project bid specifications. Mr. Bell completed a review of the bid documents, conducted a subsurface geologic investigation, and field mapped the entire construction site. He then prepared documentation presenting his findings which was then used as evidence and prepared to provide expert testimony before the arbitration board.

In addition to his geologic duties, Mr. Bell also coordinates the preparation and review of many Coal and Non-Coal Surface Mining Permit Applications prepared by Skelly and Loy's engineers. Through years of experience, Mr. Bell has gained understanding of the regulatory requirements of the mining industry.

Mr. Bell also completed numerous groundwater assessment programs. His duties have included: installation of monitoring wells; aquifer

identification; determination of groundwater movement; and conducting aquifer pump tests. He has written several reports determining the probable hydrologic consequences due to surface disturbances on water quality within a specific watershed. He has used aerial photo interpretation, literature reviews, field reconnaissance, and computer modeling. Mr. Bell has performed geologic sampling programs, drill log interpretation, and stratigraphic correlation. He has written reports assessing the impact construction activities have on strata which would be exposed and its effects on the hydrogeology of an area. When with the Skelly and Loy branch office in Lexington, Kentucky, Mr. Bell's duties included the collection and description of geologic samples; field procedures in collecting surface and groundwater samples; performing field water quality analyses and flow calculations; groundwater monitoring well installation; and preparation of reports to determine the hydrologic consequences of mineral extraction and processing.

In 1980, Mr. Bell became a member of the team created to identify and locate all hazardous abandoned mine lands within the state of Kentucky. His duties as such included the collection of existing data, aerial photo interpretation, and mapping and describing areas while in the field. These efforts involved more than thirty projects.

Prior to Mr. Bell's full-time employment with Skelly and Loy, he was a co-op intern at the Harrisburg, Pennsylvania office. He was exposed to both environmental and engineering aspects of the surface mining industry. One engineering project which he became involved in was to determine the stability of hollow fills. His primary responsibility was to identify the sampling locations and to monitor the sampling procedure conducted at each hollow fill selected for the study. Upon completion of sampling, he performed the following laboratory analyses on each sample: Natural Water Content; Unit Weight Determination; Sieve Analysis; and Direct Shear Tests.

Mr. Bell was also part of the project team which completed a demonstration project for the Bureau of Mines which included the identification and mapping of all abandoned mine lands in three Appalachian counties. His duties included: background data collection; preparation of area wide land use maps; ground reconnaissance; surface water sampling to identify streams polluted from AMD within the three-county study area; and final report preparation.

LITIGATION SUPPORT

Kansas City Power and Light vs. Pittsburg and Midway Coal Company (P & M)

Issue: Skelly and Loy was contracted prepare expert testimony as to: 1) the completeness of the reserve data base prepared by P & M, 2) confirm or disprove the geologic interpretation of the reserves within the mine site, and 3) develop a confidence level in predicting geologic conditions in future resource recovery areas.

Date: Late 1980's

Davaiius vs. Commonwealth of Pennsylvania

Issue: Skelly and Loy provided litigation support and appeared before the Environmental Hearing Board as an expert witness. Our assignment quantified the loss recoverable peat material due to the reduction of mine area and the loss of revenue caused by the delay in the issuance of a mining permit.

Date: Late 2001

The General Crushed Stone Company (GCS) vs. Commonwealth of Pennsylvania

Issue: Skelly and Loy provided litigation support in an eminent domain takings case where GCS

DENNIS R. BELL, JR., P.G., Senior Geologist

was losing recoverable reserves due to the construction of a proposed highway through a portion of their permitted mine area.

Date: Mid 1990's

B.G. Danis arbitration support

Issue: Skelly and Loy was contracted to perform a geologic site investigation at a construction site. As a result it was concluded that several geologic conditions existed on the site which caused a direct impact on construction activities. It was Skelly and Loy opinion that the conditions found during our investigations differed significantly from those presented in the original project bid specifications. Skelly and Loy was prepared to provide expert testimony before the arbitration board.

Date: Late 1980's early 1990's

D& L Land vs. PPL Inc.

Issue: Provide independent mineral valuation due to land condemnation proceedings. Skelly and Loy has presented our results and will be preparing to provide expert testimony within the next few weeks.

Date: Late 2000's

Confidential Client

Issue: Skelly and Loy is in the process of preparing litigation assistance as a coal producer claims to have the inability of providing contracted tonnage. These are ongoing investigations

Date: on going

Little Sandy Coal Company vs. Indiana Department of Transportation

Issue: Provide independent mineral valuation due to land condemnation proceedings. Skelly and Loy is currently in the process of completing these investigations.

Date: on going

Solar Sources vs. Indiana Department of Transportation

Issue: Provide independent mineral valuation due to land condemnation proceedings. Skelly and Loy is currently in the process of completing these investigations.

Date: ongoing

PUBLICATIONS

"Assessment of Anthracite Culm/Silt Material for Fluidized Bed Cogeneration" presented at the Pittsburgh Coal Conference, September 1986 (co-author)

PROFESSIONAL AFFILIATIONS

Pennsylvania Aggregate and Concrete Association
Pennsylvania Council of Professional Geologists (PCPG)

TERRY W. SCHMIDT, P.E., Vice President, Engineering

**EDUCATION:**

M.S., Mining Engineering,
1994, The Pennsylvania State
University

B.S., Mining Engineering,
1985, The Pennsylvania State
University

**PROFESSIONAL
REGISTRATIONS AND
CERTIFICATIONS:**

Professional Engineer, PA,
NC, TN, VA, MD, OH

YEARS OF EXPERIENCE:

26 Years

As an Associate of the firm and Vice President (VP) of Skelly and Loy's Engineering Group, Mr. Schmidt has served as VP-in-Charge of many complex projects, coordinating project and activities on a corporate basis. Mr. Schmidt has more than 26 years of diversified experience in the engineering disciplines, including 22 as an employee of Skelly and Loy. His areas of expertise include: mine planning and analysis; mineral property reserve assessments; land development; planning and analysis; assessments; permit preparation; surface and groundwater hydrologic investigations and modeling; water treatment system evaluations; stormwater management; and NPDES permit negotiation. He has prepared detailed life-of-quarry mining plans for large aggregate producers and mine plans for coal producers. In addition, he has prepared numerous coal and non-coal surface mine permit applications.

PROFESSIONAL EXPERIENCE

Maryland State Highway Administration - Rehabilitated two leachate treatment systems that had been installed to treat highway runoff and groundwater discharge from the embankment of U.S. Route 68. Responsibilities included evaluation of systems operations, analyses of water quality data, development of rehabilitation and operation and maintenance plans, supervision of construction, preparation of as-built drawings, and long-term monitoring of systems performance.

Cloud Peak Energy Resources - Served as VP-In-Charge in surface mine reclamation planning and an acid mine drainage assessments in Tennessee. Conducted laboratory and on-site treatability studies to define effective chemical treatment approaches and assisted in the design of passive treatment systems. Defined and mapped groundwater basin recharge areas and evaluated the impacts of pumping activities on the regional groundwater flow. Evaluated the hydrologic impacts of the surface coal mine reclamation activities on the receiving streams. Developed interim and long term reclamation plans for over 1,000 acres of surface mine area.

C/G Electrodes - Investigated 42 water discharge locations from a large graphite producer which discharges a combination of acid mine drainage, industrial process wastewater, stormwater, and various other flows which enter the site. Conducted dye tests, performed flow measurements, implemented a sampling and testing program, prepared reports of findings, prepared an Industrial Process Wastewater NPDES Permit, and attended negotiation meetings with the State regulatory agency.

Tennessee Valley Authority - Served as Principal Investigator in an evaluation of chemical and passive treatment systems for mine drainage in Alabama. Evaluated current treatment systems and suggested potential cost-effective improvements to existing and planned treatment systems. Conducted treatment studies for fluoride reduction in mine reclamation area runoff water. Two methods of fluoride reduction were studied in the laboratory: ion exchange and uptake by soil materials. Assisted in the design of the full scale treatment system using uptake by soil materials.

Quarry Development Projects - Served as Engineer-In-Charge for numerous quarry development projects in North Carolina, Pennsylvania, Virginia, Maryland, and Tennessee. Projects in North Carolina have included Benson Quarry, 115 Quarry, Enka Quarry, North Quarry, Statesville Quarry, and Shelton Quarry. Mr. Schmidt's responsibilities in these projects have included the



completion of local and State permit applications with complete site layouts, erosion and sediment control plans, and drainage system designs.

Cogeneration Projects - Mr. Schmidt completed several bituminous and anthracite coal refuse cogeneration projects in West Virginia and Pennsylvania. Project tasks included developing and carrying out drilling programs for available coal refuse piles and determining the quantity and quality of fuel confirmed at each of the coal refuse sites investigated. Mr. Schmidt also assisted in an anthracite silt pelletizing project. In addition, Mr. Schmidt analyzed material handling systems and developed a listing of limestone producers capable of supplying high calcium carbonate limestone for use in fluidized beds.

Confidential Client - Mr. Schmidt completed an audit of computer systems used for mine planning at a large surface coal mine in South Africa. This audit included an evaluation of the geologic database, the use of the database within software packages employed, and the use and validity of computer generated output.

Confidential Client - Mr. Schmidt completed a computer assisted mine plan analysis of a large midwest coal producer. He assessed in-place reserve quality and quantity, estimated recoverability based on existing structural conditions, estimated coal quality dilution, and analyzed alternative mine planning scenarios. He conducted quarterly mine audits to assess the reasonableness of costs associated with mining practices utilized. Additionally, Mr. Schmidt provided legal assistance during disputes between the coal producer and a large midwest utility.

Confidential Client - Mr. Schmidt performed a detailed surface coal mining regulatory review in the state of Indiana. He also assisted in assessing the impact of changing regulations on reclamation costs and performance at a large Indiana surface coal mine.

Confidential Client - Mr. Schmidt completed the valuation of all coal holdings of a sizeable U.S. coal producer. The project included: development of mine planning scenarios, review and verification of the coal reserve database; a summary of all reserves and operations; and a valuation of coal reserves and long term contracts.

Confidential Client - Mr. Schmidt completed an evaluation of contract price increases based on increasing mining costs for a major mid-west utility. He also supplied legal assistance to that utility during a Public Service Commission hearing concerning contract price escalations.

Woodduck Chapter of Trout Unlimited - On behalf of the Woodduck Chapter of Trout Unlimited with funding provided by Pennsylvania's Growing Greener program, Mr. Schmidt managed the design and construction of an acid mine drainage treatment system. Based on a thorough evaluation of site conditions and water quality data, he designed a Vertical Flow Reactor (VFR) to treat the main AMD seep known as "Chiller Seep". Components of the system include a layer of compost to strip oxygen followed by contact with limestone to impart alkalinity. The net alkaline water is then routed through pond and wetland cells for precipitation of metals. The system also includes a passive flushing technology for removal of aluminum.

West Branch Sportsmen - Evaluated AMD treatment alternatives for this tributary to the Susquehanna River under a contract with The Freshwater Institute, an arm of The Conservation Fund. Project activities included comprehensive field investigations, data evaluations, and engineering design package preparation. Engineered a passive, periodic flushing system that maintains the hydraulic conductivity and treatment performance of an open limestone pond system. The treatment system consists of independent open limestone cells for alkalinity addition and two wetland cells in series for settling precipitated metals.

Friedline Mine Site, Pennsylvania - Currently directing the assessment and rehabilitation of an operating passive AMD treatment system. Managing the evaluation of water quality data, review of SAPS engineering drawings, and coordination with regulatory agencies. Supervising system restoration to include installation of an aluminum recovery loop, removal and replacement of iron/compost layer, inspection of limestone layer and replacement if necessary, upgrade of flushing system, and lining the outflow channel with limestone. Developed a plan to capture newly formed seeps and direct them to a new open limestone pond.

Raccoon Creek Watershed Association - Completed a Watershed Abandoned Mine Drainage (AMD) Survey and Preliminary Restoration Plan for the Raccoon Creek watershed located in western Pennsylvania. Working closely

TERRY W. SCHMIDT, P.E., Vice President, Engineering



with local groups, concerned citizens and government agencies, Mr. Schmidt identified significant AMD discharge sources and quantified impacts to the watershed. As a result, remediation methods were identified and cost estimates were developed for future remediation actions for the seven highest prioritized AMD discharges.

Port Matilda Borough – As Borough Engineer, Skelly and Loy is responsible for Borough roads, streets, and water system. Working closely with the Borough, Skelly and Loy is determining future water and wastewater needs, identifying needed improvements to streets and roads, and providing land surveying as well as other professional services. Completed design for Little League baseball field.

South Lebanon Township – As Township Engineer, Skelly and Loy was responsible for reviewing the plans for the AES Ironwood Facility, a 700 megawatt gas-fired electricity generated facility. Responsibilities included reviewing the engineering site plans including stormwater management, erosion and sedimentation plans, and zoning and land development issues. Also, directed construction inspection duties and provided construction inspection reports.

West Donegal Township – As Township Engineer, Skelly and Loy was responsible for completion of the Act 537 Official Sewage Facilities Plan. Worked closely with the Township in supporting the development of zoning ordinance as well as subdivision and land development ordinances. Responsibilities encompassed transportation planning, with specific projects including intersection redesign and obtainment of Highway Occupancy Permits. Completed numerous miscellaneous municipal engineering projects involving as the design of a salt shed, surveying, and grading.

Intercon Systems, Inc. - Managed the preparation of site development plans prepared for this industrial facility which included 5 buildings to house both office and light manufacturing for a total of 105,000 square feet under roof and 350 parking spaces. The project included general layout, grading plans, parking lot layout, and erosion and sediment control plans. The project also included a hydrologic assessment report which evaluated a parking lot drainage network and other stormwater drainage.

Palmer Facilities - Directed this site development project which involved general layout, grading plans, parking lot layout, and erosion and sediment control plans. The project also included a hydrologic report which addressed special concerns associated with work performed within the floodplain.

Duncan Smith Dam - Managed the completion of a dam design for the Duncan Smith project in Maryland. Special concerns addressed in the project include innovative pond inlet and outlet structures designed to minimize thermal impacts to the receiving stream. The project also involved surface hydrology, grading, erosion and sediment control, and associated plans and specifications.

Dover Road Dam - Directed the project team responsible for the dam design for the Dover Road Residence project in Maryland. The project involved surface hydrology, grading, outlet structure design, erosion and sediment control, and associated plans and specifications. Additionally, recommendations were made to reduce the potential for pond leakage into a pinnacle limestone formation which outcrops near the base of the pond.

Whitetail Ski Resort - Provided design engineering for the site development planning for Whitetail Ski Resort, Montadale Crest housing development, and Chester Industrial Highway. Mr. Schmidt's responsibilities on these projects have included erosion and sediment control design, construction supervision, wetland mitigation design, and review of plans, specifications, and engineering drawings.

Tyco Electronics - Provided site development planning and engineering design services for several AMP, Inc. facilities including Harrisonburg, Fulling Mill Road, and Rapho Township. Mr. Schmidt's responsibilities in these projects have included general site layout, drainage system design, erosion and sediment control design, and permit procurement.

Graduate Studies - While working towards an M.S. in Mining Engineering at Penn State University, assisted in the development of the software package "REMINE." Responsible for writing the Basic computer code and associated user's manual sections for one module. "REMINE" is a commercially available software package used for Best Professional Judgment Analysis required by the Federal Clean Water Act to obtain a surface mining permit for remining of abandoned mine lands with pre-existing pollutional discharges. "REMINE" was developed under the

TERRY W. SCHMIDT, P.E., Vice President, Engineering

cooperation of the Environmental Protection Agency, the Pennsylvania Department of Environmental Resources, and Penn State University.

Surface Coal Mine Operator, W. Schmidt Coal Company. - Mr. Schmidt operated surface coal mines for W. Schmidt Coal Company for approximately four years. He was responsible for all aspects of mining operation from property evaluation through job completion. More specifically, Mr. Schmidt's duties included the implementation of drilling programs, permitting, erosion and sedimentation design, bookkeeping, environmental compliance, and mine planning.

PUBLICATIONS

"Acid Rock Drainage Prevention Aided by LKD", published in Industrial WaterWorld magazine, July/August, 2008 (author)

"Assessment of ECOTITE for Use in Acid Rock Drainage Treatment" presented at the 2007 National Meeting of the American Society for Surface Mining and Reclamation, Gillette Wyoming (principal author)

"Evaluation of Aeration Techniques for Mine Water Treatment in Passive Systems", presented at the 2004 National Meeting of the American Society for Surface Mining and Reclamation and The 25th West Virginia Surface Mine Drainage Task Force Symposium, Morgantown, West Virginia (author)

"Dry Creek Abandoned Mine Restoration Demonstration Project: A Cooperative Effort", presented at the 2003 National Meeting of the American Society for Surface Mining and Reclamation and The 9th Billings Land Reclamation Symposium, Billings, Montana, (co-author)

"Evaluating Successes in Passive Treatment at Sequatchie Valley Coal Corporation in East Central Tennessee", presented at the 2001 National Meeting of the American Society for Surface Mining and Reclamation, Albuquerque, New Mexico, (principal author)

"Passive, Periodic Flushing Technology for Mine Drainage Treatment Systems", presented at the 2001 National Meeting of the American Society for Surface Mining and Reclamation, Albuquerque, New Mexico, (co-author)

"Prediction of Water Quality at Surface Coal Mines", published by National Mine Land Reclamation Center, Morgantown, West Virginia, 2001, (contributing author)

"Assessment of the Applicability of an Anoxic Limestone Drain for a Surface Mine in East Central Tennessee", presented at the 1996 National Meeting of the American Society for Surface Mining and Reclamation, Knoxville, Tennessee, (principal author and presenter).

"Coal Remining Analysis for Maximum Resource Recovery and Environmental Improvement", Master of Science Thesis, The Pennsylvania State University, 1994.

"Remine: A Computer Program for the Analysis of Abandoned Mine Lands Projects in the United States": presented at the Surface Coal Mining and Reclamation Symposium in Alberta, Canada, 1988 (coauthor).

PROFESSIONAL AFFILIATIONS

Pennsylvania Association of Environmental Professionals
 The Society of Mining Engineers of America - Institute of Mining Engineers
 The American Society for Surface Mining and Reclamation
 American Institute of Mining Engineers
 Penn Anthracite American Institute of Mining Engineers
 Acid Drainage Technology Initiative (ADTI)

ANDREW M. BROOKENS, Regional Director of Natural Resources
Aquatic Biologist, Director of Threatened and Endangered Species Services



EDUCATION:

B.S., Biology, 1993,
Shippensburg University of
Pennsylvania

**PROFESSIONAL
REGISTRATIONS AND
CERTIFICATIONS:**

USACE, Baltimore District,
Wetland Delineation
Certification Training

North Carolina DENR Section
401 Macroinvertebrate
Collection Certification

Maryland Department of
Natural Resources, Maryland
Biological Stream Survey
Certification Training

Recognized Qualified Bog
Turtle Surveyor - State of
Pennsylvania - U.S. Fish and
Wildlife Service (PA)/PA Fish
and Boat Commission

Recognized Qualified Bog
Turtle Surveyor - State of
Maryland - MD Department of
Natural Resources

Recognized Qualified Bog
Turtle Surveyor - State of
Delaware - Delaware Wildlife
and Fisheries

Recognized Qualified Dwarf
Wedgemussel Surveyor -
State of Maryland - MD
Department of Natural
Resources/U.S. Fish and
Wildlife Service (MD)

YEARS OF EXPERIENCE:
19 Years

Throughout the past 19 years, Mr. Brookens' project experience has focused in the areas of jurisdictional wetland identification and delineation, the study and evaluation of aquatic ecosystems, wetland permitting, wetland mitigation design, stream and river classification, completion of NEPA environmental documents, and threatened-endangered species evaluations/consultations for the Federal Endangered Species Act Section 7 procedures and allied state regulations. Mr. Brookens has conducted extensive field investigations and consultation regarding the bog turtle, northeastern bulrush, bald eagle, Indiana bat, and various freshwater mussel species.

Mr. Brookens has extensive experience in wetland identification/delineation and functional evaluations throughout Pennsylvania, Maryland, and New York. He has also completed field investigations and designs for various wetland mitigation and stream restoration/relocation projects throughout the Mid-Atlantic region. He has served as the principal biologist for aquatic ecosystem evaluations throughout this region as well as in Tennessee and North Carolina. This has entailed the completion of biological evaluations for benthic macroinvertebrates, fish, and freshwater mussel communities, ambient water quality evaluations, and physical aquatic habitat evaluations.

PROFESSIONAL EXPERIENCE

Bog Turtle Species Advisor - Mr. Brookens is recognized as a qualified surveyor and advisor on the bog turtle (*Clemmys muhlenbergii*) throughout the Mid-Atlantic Region by United States Fish and Wildlife Service and state natural resource agencies. He has conducted identification of suitable habitat, field survey, trapping, and radiotelemetry research for the species throughout Pennsylvania, Maryland, Delaware, and New Jersey. This includes characterization of the existing vegetative community, hydrologic regime, evaluation of the soil composition, metapopulation analysis, and hydrologic connectivity assessments. Mr. Brookens authored the Biological Assessment Report for the PennDOT U.S. Route 222/Warren Street Highway Project located near Reading, PA, under U.S. Fish and Wildlife Service Section 7 Consultation. The project involved the identification of and engineered avoidance of four confirmed wetland habitats throughout the Little Muddy Creek metapopulation.

Mr. Brookens authored the Biological Assessment Report for the PennDOT S.R. 41/S.R. 372 Bridge Replacement Projects in Chester County under U.S. Fish and Wildlife Service Section 7 Consultation. The project involved the identification of and engineered avoidance of four confirmed wetland habitats throughout the Valley Creek metapopulation. He also participated in the review of the Biological Assessment Report for the Maryland SHA MD Route 30 Hampstead Bypass Project located in Carroll County, Maryland, under U.S. Fish and Wildlife Service Section 7 Consultation. Mr. Brookens has been instrumental in developing many of the PennDOT project policies in dealing with the species and has conducted extensive survey efforts for the Pennsylvania Department of Transportation. He has identified numerous species individuals for both public and private sector projects and conducted federal Section 7/Section 10 ESA consultation and state coordination including the preparation of numerous Biological Evaluations/ Biological Assessments on their behalves. He has participated in Bog Turtle Trapping Methodologies and Radiotelemetry Training presented by the Maryland Department of Natural Resources during 2008-2010.

Aquatic Ecosystems - A lotic system specialist, Mr. Brookens evaluates physiochemical, aquatic habitat, and aquatic biota conditions. He performed

ANDREW M. BROOKENS, Regional Director of Natural Resources
Aquatic Biologist, Director of Threatened and Endangered Species Services



aquatic habitat surveys/evaluations and aquatic ecology using the methods and techniques outlined in U.S. EPA's Rapid BioAssessment Protocol for Use in Stream and Rivers for Benthic Macroinvertebrates and Fish (1989/1998), Pennsylvania Department of Environmental Protection Standardized Protocol for Section 303/305/319 Aquatic Investigations, Maryland Department of Natural Resources-Maryland Biological Stream Survey (MBSS), and North Carolina DENR Bioassessments for State 401 Water Quality Certification. Mr. Brookens has extensive experience with aquatic biological sampling as well as fish, amphibian, reptile, and benthic macroinvertebrate taxonomic identification.

Wetlands Management - Mr. Brookens completed numerous wetland identification and delineations throughout the Mid-Atlantic region using the 1987 U.S. Army Corps of Engineers' Wetland Delineation Methodology, 1989 Federal Manual for Identifying and Delineating Jurisdictional Wetlands, 2010 Eastern Mountains and Piedmont Regional Supplement, 2009 Northcentral and Northeast Regional Supplement, and the 1985 Food Security Act Manual. He completed the mandatory training on the 1987 USACE Wetland Delineation Method to be eligible for the Wetland Delineation Certification Program. He has experience in wetland function evaluation using the USACE Wetland Evaluation Technique II, Hydrogeomorphic Classification, and New England USACE Descriptive Method. Mr. Brookens has also managed wetland mitigation design and monitoring projects for clients, in both the public and private sectors throughout Pennsylvania, Maryland, and New York. Mr. Brookens has prepared and acquired numerous USACE 404 and allied state wetland permit authorizations throughout Pennsylvania and Maryland.

Freshwater Mussel Surveying - Mr. Brookens has conducted and participated in aquatic resource investigations for freshwater mussel species of concern throughout the Atlantic Slope drainages of Pennsylvania and Maryland. Resources surveyed have ranged from small headwater systems to large river systems such as the Delaware, Susquehanna and Juniata Rivers. Species-specific experience includes surveys with the United States Geologic Survey for the federally endangered dwarf wedgemussel (*Alasmodonta heterodon*) and Maryland Department of Natural Resources for the brook floater (*Alasmodonta varicosa*), green floater (*Lasmigona subviridis*), and dwarf wedgemussel. Additional experience includes survey efforts for the green floater (*Lasmigona subviridis*), triangle floater (*Alasmodonta undulata*), rainbow (*Villosa iris*), yellow lampmussel (*Lampsilis cariosa*), and Atlantic spike (*Elliptio producta*) throughout Pennsylvania and Maryland. Mr. Brookens has also spent considerable time in taxonomy training, including collaboration with Dr. Guenter Scheuster and Mr. Arthur Bogan as well as unionid reference collection review at the Delaware Natural History Museum, Philadelphia Academy of the Sciences, and Carnegie Museum of Natural History.

PROJECT EXPERIENCE

USACE Letterkenny Army Depot MRAP Storage Project NEPA Analysis, Franklin County, PA - Mr. Brookens coordinated and conducted Environmental Assessment NEPA documentation on behalf of the USACE for the development of three Mine Resistant Ambush Protected (MRAP) Vehicle storage areas in Letterkenny Army Depot. Letterkenny Army Depot's maintenance and reconditioning mission is one such transportation implement utilized within the Army's Missions and Operations. Detailed impact analysis of environmental factors including Air Quality; Noise; Geology and Soils; Aquatic Resources; Threatened/Endangered Species; Cultural Resources; Transportation; and Hazardous and Toxic Substances were required to evaluate the potential for significant environmental or socioeconomic impacts resulting from the development of the storage areas.

PennDOT - SR 405 Bridge Replacement Project Over Railway, Northumberland County, PA - Mr. Brookens conducted field assessments of potentially supporting habitat conditions for the eastern spadefoot toad (*Scaphiopus holbrookii*), a Pennsylvania endangered species, as well as, project impact analysis on potential breeding microhabitat. Mr. Brookens also provided technical support and review of habitat assessment documentation and impact avoidance measures developed by the Department for implementation during project construction.

PennDOT - SR 35 Juniata River Bridge Replacement Project, Juniata County, PA - Mr. Brookens conducted an aquatic characterization of the Juniata River within the project area and evaluation of project impacts resulting from the replacement of the existing river bridge crossing. These tasks included evaluations and impact assessments of water chemistry conditions, physical aquatic habitat, benthic macroinvertebrate communities, fish communities, and freshwater mussel communities. Mr. Brookens assisted the PFBC in documenting inhabitant species of concern freshwater mussels within the Juniata River at this location and developing avoidance measures for minimizing project impacts, including mussel translocation efforts.



PennDOT - US Route 220/Interstate 99 Transportation Improvement Project, Centre County, PA - Mr. Brookens participated in the wetland delineations and aquatic surveying of all aquatic resources within the approximate 17-mile project length in the Upper Susquehanna River basin. This included evaluations of existing aquatic resources and assessments of impacts from the project to these resources. He coordinated the development of potential mitigation strategies for unavoidable impacts to aquatic resources and wetland resources. He currently supervises water chemistry and biological sampling of aquatic resources throughout the project for compliance with state-issued CWA 401 Water Quality Certification.

PennDOT - U.S. Routes 11/15 Central Susquehanna Valley Transportation Improvement Project, Snyder and Northumberland Counties, PA - Mr. Brookens coordinated and conducted wetland delineations and aquatic surveying of all surface water resources impacted by the highway transportation project within the 20-square-mile study area of the Middle Susquehanna River watershed. This included evaluations of existing aquatic resources and assessments of impacts from the project to these resources. He coordinated the development of potential mitigation strategies for unavoidable impacts to aquatic resources and wetland resources.

PennDOT - U.S. Route 15 Transportation Improvement Project, Tioga County, PA, and Steuben County, NY - Mr. Brookens coordinated and conducted wetland delineations and aquatic surveying of all surface water resources impacted by the highway transportation project within the approximate 24-mile project length in the Upper Susquehanna River watershed. This included evaluations of existing aquatic resources and assessments of impacts from the project to these resources. He coordinated the development of potential mitigation strategies for unavoidable impacts to aquatic resources and wetland resources.

PennDOT - U.S. Route 322 Corridor O Transportation Improvement Project, Centre and Clearfield Counties, PA - Mr. Brookens participated in the wetland delineations and aquatic surveying of all aquatic resources within the approximate 25-mile project length in the Upper Susquehanna River basin. This included evaluations of existing aquatic resources and assessments of impacts from the project to these resources. He coordinated the development of potential mitigation strategies for unavoidable impacts to aquatic resources and wetland resources.

SEDA-COG JRA Buffalo Run Industrial Railroad Track Project, Centre County, PA - Mr. Brookens served as Project Manager for the assessment of existing natural resources and potential impacts for the railroad improvement project within the Upper Susquehanna River watershed. This involved the delineation of wetland habitats, assessment of surface water resources and terrestrial habitat, assessment of potential threatened and endangered species habitat, and preparation of a compensatory mitigation package of wetland mitigation and stream restoration for unavoidable impacts to wetland and stream resources. The project required the preparation of a Categorical Exclusion Evaluation and Joint Permit Application.

Maryland SHA - Maryland Intercounty Connector (ICC) Transportation Project, Montgomery and Prince Georges Counties, MD - Mr. Brookens provided environmental construction monitoring services related to jurisdictional wetlands, vernal pools, RTE species, and aquatic biota/water quality monitoring for Construction Contract C, a four-mile alignment segment. Specific tasks undertaken during construction monitoring included automated water quality monitoring of headwater watercourses impacted by construction, vernal pool habitat assessment, fisheries relocation surveys, and habitat assessment/relocation surveys for the eastern box turtle (*Terrapene carolina*).

Maryland SHA - Keyzers Ridge Leachate Treatment System NPDES Permitting Project, Garrett County, MD - Mr. Brookens coordinated the NPDES permitting, monitoring, and rehabilitation of two constructed wetland treatment systems for remediating the effects of the acidic leachate discharge from the highway embankments of Interstate 68. NPDES permit conditions have required weekly, monthly, and quarterly monitoring of treatment system effluent water quality conditions and biological toxicity since 1997. The effectiveness of the treatment systems has resulted in the biological recovery of Lake Louise and its associated headwater tributaries supporting naturally reproducing trout populations.

Maryland SHA - Maryland Route 5 Transportation Improvement Project, St. Mary's County, MD - Mr. Brookens coordinated and conducted necessary natural resource investigations including wetland delineations and aquatic assessments of all surface water resources potentially impacted by the highway project in the Lower Potomac River watershed. This included evaluations of potential impacts to the federally threatened dwarf wedgemussel



(*Alasmidonta heterodon*) within the McIntosh Run drainage basin.

Metropolitan-Edison Company - First Energy Corporation, Transmission Line Projects, Adams, Bedford, and York Counties, PA - Mr. Brookens has coordinated and conducted wetland delineation, USACE/PA DEP wetland/watercourse permitting, federal/state natural resource agency coordination, Phase I bog turtle habitat assessments, and pre-construction monitoring/supervision for First Energy Transmission Line Projects within Adams, Bedford, and York Counties, Pennsylvania, according to U.S. Fish and Wildlife Service and Pennsylvania Fish and Boat Commission protocols. The Route 991 115 kV Transmission Line Improvement Project entailed wetland delineation, Phase I habitat assessments, species avoidance best management practice development, and USACE/PA DEP wetland encroachment permitting for all wetland habitats identified along a 12.5-mile corridor of electric transmission line reconductoring and pole replacement in Adams County. The Shrewsbury Route 737 Transmission Line Project included wetland delineation, Phase I habitat assessments, and species avoidance best management practice development wetland habitats identified along a 3-mile corridor of electric transmission line reconductoring and pole replacement in York County. The Newberry Route 975 Project included wetland delineation, Phase I habitat assessments, species avoidance best management practice development, and USACE/PA DEP wetland encroachment permitting for all wetland habitats identified along a 4.5-mile corridor of electric transmission line reconductoring and pole replacement in York County. Expert consultation with the project engineer was undertaken on these projects for the development of potential avoidance strategies and best management practices to avoid adverse effects to the species and potential habitat areas.

PPL Renewable Energy Blue Ridge Landfill Express Generator Feeder Project, Franklin County, PA - Mr. Brookens coordinated and conducted natural resource impact analysis for the development of a gas-fired energy generator on the IESI Blue Ridge Landfill and connecting 4 miles of electric transmission corridor to the Borough of Chambersburg. Services conducted included jurisdictional wetland/watercourse delineation, threatened-endangered species coordination with the U.S. Fish and Wildlife Service and Pennsylvania Fish and Boat Commission, and USACE/PA DEP wetland encroachment permitting for the transmission corridor. Expert consultation with the project engineer was undertaken on the project for the development of avoidance and minimization strategies to address regulated natural resources.

Conectiv Power Delivery Transmission Line Projects, New Castle County, DE - Mr. Brookens coordinated and conducted Phase I bog turtle habitat assessments, Phase II species surveys, and specialized hibernacula microhabitat surveys for Conectiv Power Delivery Transmission Line Projects within New Castle County, Delaware, according to Delaware NREC and U.S. Fish and Wildlife protocols. The Red Lion Substation to Indian River Power Plant 230 kV Transmission Line Project entailed Phase I habitat assessments and specialized hibernacula microhabitat surveys for all freshwater wetland habitats identified along a 21-mile corridor of electric transmission line in New Castle County. The Lums Pond Substation to Mount Pleasant Substation Transmission Line Project included Phase I habitat assessments and Phase II species surveys for all freshwater wetland habitats identified along a 13-mile corridor of electric transmission line in New Castle County. Expert consultation with the project engineer was also undertaken on both projects for the development of potential avoidance strategies and best management practices to avoid adverse effects to the species and potential habitat areas.

El Paso Northeast Passage Natural Gas Transmission Line Project, PA Section - As a subconsultant to ENSR, Mr. Brookens coordinated and conducted wetland delineations and aquatic assessments of surface water resources associated with the proposed natural gas transmission line of approximately 130 miles throughout southcentral and northeastern Pennsylvania. He coordinated and conducted Phase I bog turtle habitat assessments according to U.S. Fish and Wildlife protocols for wetland habitats identified along the corridor. He advised the project engineer on the development of potential avoidance strategies and best management practices for avoiding adverse effects to the species and potential habitat areas.

Cumberland-Franklin Joint Municipal Authority, Letterkenny Sanitary Sewer Project, Franklin County, PA - Mr. Brookens performed wetland identification and delineation field investigations and completed wetland I&D and functional assessment reports for the proposed 12-mile sanitary sewer improvement project. Mr. Brookens coordinated the proposed project with the USACE and PA DEP and acquired necessary encroachment authorizations to the identified aquatic resources. He coordinated the completion of Phase I habitat assessments and Phase II species surveys with the USFWS/PFBC for the bog turtle (*Clemmys muhlenbergii*) in identified wetland habitats that potentially supported the species.



Liberty Land Development Project, Adams County, PA - Mr. Brookens coordinated and conducted wetland delineations and aquatic assessments of all surface water resources associated with the proposed residential development of approximately 744 acres in Liberty Township, Adams County. The wetland and watercourse investigations for the proposed project resulted in the identification and delineation of approximately 124 acres of jurisdictional wetlands and approximately 21,500 feet of jurisdictional watercourses. A preliminary jurisdictional determination of the identified aquatic resources was completed for the project with representatives of the USACE, Baltimore District. He coordinated the completion of Phase I habitat assessments and Phase II species surveys with the USFWS/PFBC for the bog turtle in identified wetland habitats that potentially supported the species.

Whiskey Run Vistas Land Development Project, Franklin County, PA - Mr. Brookens coordinated and conducted wetland delineations and aquatic assessments of all surface water resources associated with the proposed residential development of approximately 350 acres in Hamilton Township, Franklin County. The wetland and watercourse investigations for the proposed project resulted in the identification and delineation of approximately 8 acres of jurisdictional wetland and approximately 13,500 feet of jurisdictional watercourse. A preliminary jurisdictional determination of the identified aquatic resources was completed for the project with representatives of the USACE, Baltimore District. He coordinated the completion of Phase I habitat assessments and Phase II species surveys with the USFWS/PFBC for the bog turtle in identified wetland habitats that potentially supported the species.

Shippensburg United Business Park Project, Franklin County, PA - Mr. Brookens coordinated and conducted wetland delineations and aquatic assessments of all surface water resources associated with the proposed business warehouse development of approximately 260 acres in Southampton Township, Franklin County. A preliminary jurisdictional determination of the identified aquatic resources was completed for the project with representatives of the USACE, Baltimore District. He coordinated the completion of Phase I species habitat assessments with the USFWS/PFBC for the bog turtle in identified wetland habitats.

Woodland Hills Land Development Project, Franklin County, PA - Mr. Brookens coordinated and conducted threatened and endangered species evaluations for the federally endangered northeastern bulrush (*Scirpus ancistrochaetus*) and federally endangered Indiana bat (*Myotis sodalis*) associated with the proposed residential development of approximately 289 acres in Greene Township, Franklin County. The threatened and endangered species coordination with the USFWS for the project included field surveys for the northeastern bulrush and mist netting field surveys for the Indiana bat to confirm their presence or probable absence in the project area.

Waterfall Farm Estates Land Development Project, Berkley County, WV - Mr. Brookens coordinated and conducted wetland delineations and aquatic assessments of all surface water resources associated with the proposed residential development of approximately 75 acres in Berkley County. He coordinated applicable permitting scenarios of the identified aquatic resources with representatives of the USACE, Pittsburgh District.

Letterkenny Army Depot / Letterkenny Industrial Development Authority - Cumberland Valley Business Park Development Project, Franklin County, PA - Mr. Brookens coordinated and conducted natural resource evaluations and impact analysis for the planning/redevelopment of an approximate 290-acre tract of the former Letterkenny Army Depot realigned by the U.S. Army Base Realignment and Closure Proceedings (BRAC). Mr. Brookens coordinated and conducted jurisdictional wetland and watercourse delineation, USACE/PA DEP wetland/watercourse permitting, federal/state threatened and endangered species coordination, terrestrial habitat assessment, and habitat assessments for the federally threatened bog turtle (*Clemmys muhlenbergii*). The natural resource evaluations and impact analysis were critical to the ultimate development of the property by the Letterkenny Industrial Development Authority for the Cumberland Valley Business Park Project.

RELEVANT TRAINING

- USACE Northcentral and Northeast Regional Supplement to the Corps of Engineers Wetland Delineation Manual, USACE Presenters, 2010
- Federal Endangered Species Act/Migratory Bird Treaty Act, Bald and Golden Eagle Protection Act – Implications for Renewable Energy Development, Holland & Hart LLP Presenters, 2009
- Maryland Department of Natural Resources, Bog Turtle Trapping Methodologies and Radio Telemetry Training, May – September 2008/May 2009
- Federal Endangered Species Act Section 7 Interagency Consultation, U.S. Fish and Wildlife Service, 2008

- PENNDOT HRDS Instructor Certification Course, 2008
- Hydric Soils of the MidAtlantic Region, NRCS/US EPA/US ACOE, 2005
- Crayfish Taxonomy, Dr. Thomas Jones, Marshall University, Presenter, 2004
- Federal Endangered Species Act Section 10 Habitat Conservation Planning/Consultation, U.S. Fish and Wildlife Service NCTC, 2003
- Maryland Department of Natural Resources: Family Benthic Macroinvertebrate Training, 2002
- Federal Endangered Species Act and Bog Turtle Consultation, U.S. Fish and Wildlife Service, 2002
- Freshwater Biomonitoring Utilizing Stream Salamander Assemblages, Gian Rocco, Penn State, 2002
- Freshwater Biomonitoring Utilizing Periphyton Assemblages, Dr. Jan Stevenson, Presenter, 2002
- Freshwater Mussel Taxonomy, Dr. Guenter Scheuster, Eastern Kentucky University, Presenter, 2002
- Federal Endangered Species Act, Federal Highway Administration, 2001
- Aerial Photography Interpretation, U.S. Army Corps of Engineers, Baltimore District, 2000
- Joint Meeting of Ichthyologists and Herpetologists, 1999
- Problem Area Wetland Delineations, U.S. Army Corps of Engineers, Baltimore District, 1997
- Applied River Morphology, David Rosgen, Presenter, Izaak Walton League, York Chapter, 1996
- Aquatic Entomology, Shippensburg University of Pennsylvania, 1996

Specific Mussel Survey Experience/Training:

- Conodoguinet Creek (PA) Susquehanna River Drainage – Atlantic Slope species
- Town Creek (MD) Potomac River Drainage – Atlantic Slope species
- Conococheague Creek (PA/MD) Potomac River Drainage – Atlantic Slope species
- Delaware River (PA) Delaware River Drainage – Atlantic Slope species (USGS)
- Octoraro Creek (MD) Susquehanna River Drainage – Atlantic Slope species (Maryland DNR)
- Sideling Hill Creek (PA) Juniata River Drainage – Atlantic Slope species
- North Branch Susquehanna River (PA) Susquehanna River Drainage – Atlantic Slope species
- Nanjemoy Creek (MD) Potomac River Drainage – Atlantic Slope species/Dwarf wedgemussel (Maryland DNR)
- McIntosh Run (MD) Potomac River Drainage – Atlantic Slope species/Dwarf wedgemussel (Maryland DNR)
- Juniata River (PA) Susquehanna River Drainage – Atlantic Slope species/ Rainbow (PFBC)
- Sideling Hill Creek Potomac River Drainage – Atlantic Slope species/Green floater / Brook floater (Maryland DNR)
- Licking Creek (MD) Potomac River Drainage – Atlantic Slope species/Green floater / Brook floater (Maryland DNR)
- Potomac River (MD) – Atlantic Slope species/Green floater / Brook floater (Maryland DNR)
- Freshwater Mussel Taxonomy, Arthur Bogan, NC State Museum of Natural Sciences, Presenter, 2008
- Freshwater Mussel Taxonomy, Dr. Guenter Scheuster, Eastern Kentucky University, Presenter, 2002
- Unionid Reference Collection Review – Delaware Natural History Museum (Kevin Roe)
- Unionid Reference Collection Review – Philadelphia Academy of Sciences (Dan Graf)
- Unionid Reference Collection Review – Carnegie Museum of Natural History (Tim Pearce)
- March 2002 Freshwater Mollusk Conservation Society Symposium – Shephardstown, WV

PUBLICATIONS

An Evaluation of Biotic Integrity Associated with Coal Mine Reclamation in the Dry Creek Drainage Basin, Tennessee, paper presented at the Stream Bioassessment Conference, St. Vincent's College, July, 2001

An Evaluation of Biotic Integrity Associated with Coal Mine Reclamation in the Dry Creek Drainage Basin, Tennessee, paper presented at the 2001 National Meeting of the American Society for Surface Mining and Reclamation, Albuquerque, New Mexico, June 2001

The Effectiveness of Utilizing Passive Treatment Technologies for Acidic Leachate Discharges in Western Maryland, paper presented at the 2000 National Meeting of the American Society for Surface Mining and Reclamation, Tampa, Florida, June 2000

ANDREW M. BROOKENS, Regional Director of Natural Resources
Aquatic Biologist, Director of Threatened and Endangered Species Services



Restoration of an Upper Headwaters Coldwater Ecosystem in Western Maryland Utilizing Passive Treatment Technologies, paper presented at the 2003 International Conference on Ecology and Transportation (ICOET), Lake Placid, New York, August 2003.

The Preservation of Bog Turtle Metapopulation Dynamics by a Transportation Improvement Project in Southeastern Pennsylvania, paper presented at the 2003 International Conference on Ecology and Transportation (ICOET), Lake Placid, New York, August 2003.

PROFESSIONAL AFFILIATIONS

- Society of Wetland Scientists
- American Fisheries Society
- Freshwater Mollusk Conservation Society
- Maryland Water Monitoring Council
- MidAtlantic Water Pollution Biologists
- North American Benthological Society
- Partners in Amphibian and Reptile Conservation

HONORS AND AWARDS

Skelly and Loy, Inc. Core Value Achievement Award, 2002

EDUCATION:

A.A., Imagery Interpretation,
and Intelligence Analysis,
Community College of the Air
Force, 1986

YEARS OF EXPERIENCE:

25 Years

Having retired from the U.S. Air Force, Mr. Lewis brings over 25 years of GIS experience with a unique safety/military perspective to the hazard mitigation planning process. He is experienced in capturing and analyzing geospatial data using GIS and applying proven analytical models to geographic data in order to provide project managers with clear assessments so that they in turn can develop strategies and solutions for project stakeholders. He is proficient with many ESRI GIS products and is Skelly and Loy's lead GIS analyst.

PROFESSIONAL EXPERIENCE

Bridge Replacement, S.R. 0035 over the Juniata River, Juniata County, Pennsylvania - Mr. Lewis was involved in the environmental and cultural mapping of this study area and the potential alternative impact analysis within the Mifflin and Mifflintown Boroughs of Juniata County, Pennsylvania.

MD 5 Roadway Improvements, St. Mary's County, Maryland - Mr. Lewis provided impact analysis within this project area which contained wetlands of "special state concern" and habitats of "state listed rare plant species."

Orbisonia-Rock Hill Joint Municipal Authority, Huntingdon County, Pennsylvania - Mr. Lewis is involved in the development of a potable water and a wastewater GIS database to provide these boroughs in Huntingdon County, Pennsylvania, with updated systems mapping and a system maintenance/incident reporting tool.

PA Route 23 Needs Analysis, Lancaster County, Pennsylvania - Mr. Lewis performed GIS impact analysis on environmental and cultural constraints for the PA Route 23 study area. Route 23 serves as an important east-west artery that passes through Lancaster County's agricultural and cultural heartland.

Corridor O, S.R. 322, Section B02, Centre and Clearfield Counties, Pennsylvania - Mr. Lewis conducted environmental and cultural mapping along with alternative construction impact analysis throughout this project area. U.S. 322 in this area provides an important link in the transportation network of Centre and Clearfield Counties.

Low-Level Radioactive Waste Storage Facility, Pennsylvania - Mr. Lewis led a wide ranging effort in environmental resource mapping of 25 separate categories in order to meet federal and state legislative guidelines to site a low-level radioactive waste storage facility within Pennsylvania.

RELEVANT TRAINING

"ARC/INFO" University of Georgia CRS
"Migrating from Arc View 3.2 to Arc GIS 8.1" ESRI
"Customizing ARC/INFO with AML" ESRI
"Advanced Image Processing" ERDAS

EDUCATION:

B.S., Biology, 2004, York
College of Pennsylvania,
Cum Laude

**PROFESSIONAL
REGISTRATIONS AND
CERTIFICATIONS:**

Maryland Biological Stream
Survey Training, 2009

Erosion and Sediment Control
Certification, Yellow
Card/Design Training, 2007,
MDSHA

MDE Drinking Water
Collection Certification (2007)

Intro to Arc GIS Certification
(2004)

YEARS OF EXPERIENCE:

5 Years

Mr. Nevin has accrued extensive field experience within several diverse fields of environmental science. Over the past five years, he has been involved with T&E species field survey efforts for the Indiana bat (*Myotis sodalis*), eastern small-footed bat (*Myotis leibii*), Virginia big-eared bat (*Corynorhinus townsendii virginianus*) and gray bat (*Myotis grisescens*). He has been involved in numerous private and state projects with MDSHA, PENNDOT, and WVDOH.

Mr. Nevin is familiar with several current field methodologies used to assess endangered species habitat including the USFWS Indiana Bat Mist Net Protocol (2007), USFWS Range-wide Indiana Bat Summer Survey Draft Guidance (2012), PGC Standard and Minimum Effort Requirements for QIBS Netting in Pennsylvania (2009), the PGC Protocol for Assessing Abandoned Mines/Caves for Bat Surveys, and the most recent White Nose Syndrome (WNS) Disinfection Guidelines. He has assisted with bat surveys and independent research projects in Pennsylvania, Maryland, New York, West Virginia and Missouri. He has handled and positively identified all nine bat species commonly found in Pennsylvania including the Indiana bat (*Myotis sodalis*), eastern small-footed bat (*Myotis leibii*), little brown bat (*Myotis lucifugus*), Northern long-eared bat (*Myotis septentrionalis*), tri-colored bat (*Perimyotis subflavus*), big brown bat (*Eptesicus fuscus*), hoary bat (*Lasiurus cinereus*), red bat (*Lasiurus borealis*), and silver-haired bat (*Lasionycteris noctivagans*). Additionally, he has handled and identified two other species not commonly found in Pennsylvania, gray bats (*Myotis grisescens*) and evening bats (*Nycticeius humeralis*), while assisting researchers in Missouri.

PROFESSIONAL EXPERIENCE

Hickok Extension Proposed Natural Gas-line Corridor in Lycoming, Tioga, Bradford, and Sullivan Counties, PA: Indiana Bat (*Myotis sodalis*) Mist Net Survey (2011) - Mr. Nevin assisted three Qualified Indiana Bat Surveyors (QIBS) with a large scale mist netting survey that spanned four counties in Pennsylvania. Responsibilities included bat handling/identification, equipment set-up, and site selection. Species captured included the little brown bat, northern long-eared bat, tri-colored bat, big brown bat, hoary bat, red bat, and silver-haired bat.

South Valley Parkway Project (PENNDOT), Luzerne County, PA: Indiana Bat / Eastern Small-Footed Bat (*Myotis leibii*) Mist Net Survey/Telemetry (2008, 2010) - Mr. Nevin was responsible for assisting the USFWS QIBS with site selection, setting up equipment, bat handling/identification, and data collection. He successfully tracked a small-footed bat to its day roost using radio telemetry and triangulation methods. Species captured included the eastern small-footed bat, little brown bat, northern long-eared bat, big brown bat, and red bat.

MARC 1 HUBLINE Proposed Natural Gas-line Corridor, Bradford and Sullivan Counties, PA: Indiana Bat Mist Net Survey (2010) - Mr. Nevin assisted the USFWS QIBS with site selection, site set-up, data collection, bat handling/identification, and general project logistics for a proposed natural gas-line corridor. This linear survey spanned approximately 20 miles through northeastern PA. Species captured included the little brown bat, northern long-eared bat, tri-colored bat, big brown bat, and red bat.

Knight Road Bat Bridge (PENNDOT), Montgomery County, PA (2009-present) - Mr. Nevin was involved with an extensive trapping/relocation effort for a high density little brown bat maternity roost colony underneath a bridge to be replaced across Green Lane Reservoir. The effort consisted of an emergence count followed by an extensive harp trapping in order to estimate population size and species distribution. He assisted the USFWS QIBS with the identification of a large number of adult and juvenile little brown bats.

Central Susquehanna Valley Transportation Project (PENNDOT), Northumberland County, PA: Indiana Bat Mist Net Survey (2009) - Mr. Nevin assisted the USFWS QIBS with a mist net survey in accordance with the USFWS Indiana Bat Mist Net Protocol. His responsibilities included equipment set-up, site location, bat handling/identification, and data collection. Species captured included the little brown bat, northern long-eared bat, tri-colored bat, red bat, and big brown bat.

Scranton Lackawanna Industrial Building Company (SLIBCO), Lackawanna County, PA: Indiana Bat Mist Net/Hibernacula Survey (2009) - Mr. Nevin assisted the USFWS QIBS with summer habitat mist net surveys and fall hibernacula emergence trapping associated with a development project in Lackawanna County, PA. His responsibilities included equipment set-up, bat handling/identification, and data collection. Species captured included the northern long-eared bat, big brown bat, and red bat.

Epler Mine Site: Fall Hibernacula Survey, Northumberland County, PA (2009) - Mr. Nevin assisted the USFWS QIBS with a harp trap survey to assess an abandoned mine as a potential Indiana Bat hibernaculum. Methodologies followed USFWS Protocol for Assessing Abandoned Mines/Caves. His specific duties included harp trap assembly, bat handling, and identification. Species captured included the northern long-eared bat, big brown bat, and little brown bat.

Cabot Oil and Gas Corporation Natural Gas Development, Susquehanna County, PA: Indiana Bat Mist Net Survey (2009) - Mr. Nevin assisted the USFWS QIBS with conducting a mist net survey to determine the presence or probable absence of federally and state-listed bat species along a 13-mile section of proposed well pad development and distribution pipeline corridor. His responsibilities included equipment set-up, bat handling/identification, and data collection. Species captured included the northern long-eared bat, big brown bat, little brown bat, and red bat.

Franklin County Land Development Project, Franklin County, PA: Indiana Bat Mist Net Survey (2007) - Mr. Nevin assisted the USFWS QIBS with site selection, site set-up, data collection, and bat handling/identification for a proposed commercial development project. Species captured included the northern long-eared bat, big brown bat, little brown bat, and red bat.

King Coal Highway Project (WVDOH), Mingo County, WV: Indiana Bat Mist Net Survey (2011) - Mr. Nevin assisted the USFWS QIBS with a mist net survey to determine the presence/probable absence of the Indiana bat and Virginia big-eared bat (*Corynorhinus townsendii virginianus*) within a proposed WVDOH highway corridor. He assisted with site selection, site set-up, data collection, and bat handling/identification. Species captured included the eastern small-footed bat, northern long-eared bat, tri-colored bat, big brown bat, and red bat.

Route 2 Transportation Project (WVDOH), Marshall County, WV: Indiana Bat Survey (2010) - Mr. Nevin assisted the USFWS QIBS with mist net surveys to determine the presence or probable absence of federally-listed bat species associated with a 5-mile transportation improvement project corridor. Mr. Nevin assisted with site selection, site set-up, data collection, and bat handling/identification. Species captured included the little brown bat, northern long-eared bat, tri-colored bat, big brown bat, and red bat.

Route 9 Widening Project (WVDOH), Jefferson County, WV: Indiana Bat Mist Net Survey (2008) - Mr. Nevin assisted the USFWS QIBS with an extensive mist net survey for a WVDOH road widening project. A Biological Assessment (BA) for potential impacts to three federally protected species was prepared for this project and included potential impacts to the Indiana bat. The work performed on the BA received the 2008 WVDOH Engineering Excellence Award for the planning, traffic, and environmental category. Species captured during the mist net survey included the little brown bat, northern long-eared bat, big brown bat, and red bat.

Lowe's Inc., Broome County, NY: Indiana Bat Mist Net Survey/Habitat Evaluation (2008) - Mr. Nevin assisted with equipment set-up, site location, bat handling/identification, and data collection for a proposed development project in Broome County, NY. Species captured included the little brown bat, northern long-eared bat, and big brown bat.

Volunteer Work with the Pennsylvania Game Commission (2010, 2011) - Mr. Nevin assisted with bat identification and equipment set-up for two fall swarming surveys at Canoe Creek Mine in Blair County, PA. Twenty-six Indiana bats were captured in 2010 and three in 2011 during these field efforts. Mr. Nevin positively identified three during both years. In addition, Mr. Nevin assisted the PGC in 2011 with a spring harp trap survey at Glen Lyon Mine, Luzerne County, PA. Species captured were the little brown bat and northern long-eared bat.

Research Assistant with Missouri State University (2011) - Mr. Nevin was involved with a gray bat (*Myotis grisescens*) research project within the Ozark National Scenic Riverways. He assisted graduate students under the direction of Dr. Lynn Robbins with bat identification/processing for several mist-net hibernacula surveys throughout the region. Species captured included the gray bat, silver-haired bat, evening bat, little brown bat, northern long-eared bat, big brown bat, and red bat.

Research Assistant with Frostburg State University (2010) - Mr. Nevin assisted a doctoral candidate with a harp trapping project at Indigo Tunnel in western Maryland. Several species were captured within this hibernaculum including the eastern small-footed bat.

Tygart Valley Pipeline Proposed Natural Gas-line Corridor, Barbour and Randolph Counties, WV: Indiana Bat Habitat Assessment / Hibernacula Survey (2012) - Mr. Nevin was responsible for conducting a summer habitat assessment and potential portal/hibernacula survey for a proposed natural gas transmission line which spans approximately 32 miles through central West Virginia.

Tenaska Westmoreland Indiana Bat Habitat Assessment, Westmoreland County, PA (2011) - Mr. Nevin conducted a summer habitat assessment and potential roost tree evaluation for a proposed development project spanning approximately 300 acres.

Archbald Business Park Eastern Small-footed Bat Habitat Assessment, Lackawanna County, PA (2011) - Mr. Nevin assisted the USFWS QIBS with conducting a summer habitat assessment for the eastern small-footed bat for a proposed development project on approximately 150 acres. Mr. Nevin identified and delineated potential rock habitat specific to this particular species.

PROFESSIONAL AFFILIATIONS

Mid-Atlantic Aquatic Biologists (2007-2009)
The Nature Conservancy (2003-2009)

RELEVANT TRAINING

MBSS Spring Index Training (2009)
MBSS Summer Index Training (2009)