

2009 BCI Bat Conservation and Management Workshop – Barree, PA

PA: Huntingdon and Blair Counties

Summary of Capture Data

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Day 01: 15 August 2009

Location #1: PA: Blair County, Forested sites along the Lower Rail Trail at the Mount Etna Access along the Frankstown Branch of the Juniata River.

Site #1: Two 3H 30-foot mist nets set parallel over hike bike trail to right of parking lot. Start Time: 2015; End Time: 2300. Start Temp: 71.9°F; End Temp: 67.5°F.

GPS (NAD27): 40°31'05.38"N; 78°10'10.21"W

<i>Eptesicus fuscus</i> , big brown bat		1 male (a, s)
<i>Lasiurus borealis</i> , red bat		2 females (j, nr)
<i>Myotis lucifugus</i> , little brown myotis		26 (21 females, adults (4nr, 13 pl, 4 unk), 5 males, adults (2nr, 3s))
<i>Myotis septentrionalis</i> , northern myotis		1 male (a, s)
Total species	=	4
Total individuals	=	30

Site #2: One single-high 18-foot mist net set over narrow trail nearest to the parking area before open meadow, plus one 3H 30-foot mist net and one 3H 42-foot mist net set over wide trail on either end of open meadow. Start Time: 2030; End Time: 2300. Start Temp: 71.8°F; End Temp: 67.5°F.

GPS (NAD27): 40°31'10.80"N; 78°10'14.66"W

<i>Myotis lucifugus</i> , little brown myotis		4 (3 females (1 juvenile (nr), 2 adults (1nr, 1pl), 1 male, juvenile (nr))
<i>Myotis septentrionalis</i> , northern myotis		1 male (juvenile, nr)
Total species	=	2
Total individuals	=	5

Site #3: Two 3H 30-foot mist nets set parallel over trail near open meadow area and one single high 30-foot mist net over trail just past meadow. Start Time: 2030; End Time: 2330. Start Temp: 75.2°F; End Temp: 70.7°F.

GPS (NAD27): 40°31'26.06"N; 78°10'18.23"W

<i>Eptesicus fuscus</i> , big brown bat		3 (1 female (a, nr), 2 males (a, s))
<i>Lasiurus borealis</i> , red bat		4 (2 females (j, nr), 1 male (a, s), 1 unknown)
<i>Myotis leibii</i> , eastern small-footed myotis		1 male (j, nr)
<i>Myotis lucifugus</i> , little brown myotis		12 (8 females (7 adults (6nr, 1pl), 4 males (a, s))
Total species	=	4
Total individuals	-	20

Site #4: One 3H 42-foot mist net set over water on upstream end of 2nd bridge and one 3H 42-foot mist net set over water on downstream end of 2nd bridge. Start Time: 2030; End Time: 2300. Start Temp: 73.4°F; End Temp: 68°F.

GPS (NAD27): 40°31'29.96"N; 78°10'15.55"W

<i>Eptesicus fuscus</i> , big brown bat		2 females, adults (1nr, 1pl)
<i>Lasiurus borealis</i> , red bat		1 male, adult (s)
<i>Myotis lucifugus</i> , little brown myotis		11 (7 females (3 adults (2nr, 1pl), 4 j (nr), 4 males (1 a (s), 3 j (nr))
<i>Myotis septentrionalis</i> , northern myotis		1 male (a, s)
Total species	=	4
Total individuals	=	15
Grand Total Species	=	5
Grand Total Individuals	=	70

Day 02: 16 August 2009

Location #1: PA: Entriiken, Trough Creek State Park.

Site #1: Four 3H 42-foot mist nets set across the creek near the first big bend just within the park entrance near the picnic area, two in a parallel configuration and two in an "L" configuration. Start Time: 2030, End Time: 2345. Start Temp: 76.3°F, End Temp: 71.3°F

GPS (NAD27): 40°18'57.82"N; 78°07'40.30"W

<i>Eptesicus fuscus</i> , big brown bat		1 male (j, s)
<i>Lasiurus borealis</i> , red bat		2 males (1adult (s), 1 juvenile (s))

f = female, m = male, a = adult, j = juvenile

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive, s = scrotal, u = unknown
unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

<i>Myotis lucifugus</i> , little brown myotis		3 (2 females (1 adult (nr), 1 juvenile (nr), 1 male (adult (nr)))
<i>Pipistrellus subflavus</i> , eastern pipistrelle		5 (1 female (juvenile, nr), 4 males (adult, nr))
Total species	=	4
Total individuals	=	11

Site #2: One 3H 42-foot mist net and one single high 42-foot mist net over the water at creek Locations near Savage Forge Historic Site. Start Time: 2010; End Time: 2310. Start Temp: 71.6°F; End Temp: 68.9°F.

GPS (NAD27): 40°19'50.34"N; 78°07'33.22"W

<i>Lasiurus borealis</i> , red bat		5 males (a, s)
<i>Lasiurus cinereus</i> , hoary bat		1 male (a, s)
<i>Myotis lucifugus</i> , little brown myotis		3 (1 female (a, nr), 2 males, adults (1s, 1nr))
<i>Myotis unknown</i> , unknown myotis		1 male (n, nr)
<i>Pipistrellus subflavus</i> , eastern pipistrelle		1 male (juvenile, nr)
Total species	=	5
Total individuals	=	11

Site #3: Two large harp traps set at two different narrow spots along the Terrace Mountain Trail from the Ice Cave to the end of the trail. Start Time: 2045; End Time: 2300. Start Temp: 72.3°F; End Temp: 70°F.

GPS (NAD27): 40°19'59.93"N; 78°07'24.13"W

<i>Myotis leibii</i> , eastern small-footed myotis		1 male (a, s)
<i>Myotis septentrionalis</i> , northern myotis		3 males (1 adult (nr), 2 juveniles (s))
Total species	=	2
Total individuals	=	4

Site #4: One 3H 30-foot mist net and one 3H 18-foot mist net set under and between vegetation at two locations along Terrace Mountain Trail from Ice Cave to end of trail. Start Time: 2040; End Time: 2300. Start Temp: 72.3°F; End Temp: 70°F.

GPS (NAD27): 40°19'59.93"N; 78°07'24.13"W

<i>Eptesicus fuscus</i> , big brown bat		1 male, adult (s)
<i>Lasiurus borealis</i> , red bat		1 unknown
<i>Myotis lucifugus</i> , little brown myotis		2 males (1 adult (nr), 1 juvenile (nr))
<i>Myotis septentrionalis</i> , northern myotis		4 (1 female (juvenile, nr), 2 males (1 adult (s), 2 juveniles (nr))
Total species	=	4
Total individuals	=	8
Grand Total Species	=	7
Grand Total Individuals	=	34

Day 03: 17 August 2009

Location #1: PA: Canoe Creek, Canoe Creek State Park (Hartman) Canoe Creek Mine.

Site #1: Two 42-foot, single high mist nets set end to end in clearing along ridge overlooking Scotch Hollow. Start Time: 2030; End Time: 2200. Start Temp: 79.6°F; End Temp: 77.4°F.

GPS (NAD27): 40°29'48.28"N; 78°16'27.66"W

<i>Lasiurus borealis</i> , red bat		1 male (a, s)
<i>Myotis lucifugus</i> , little brown myotis		16 (10 females (9 adults (3nr, 6pl), 1 j (nr), 6 males (3a (2nr, 1s), 3 j (nr)))
Total species	=	2
Total individuals	=	17

Site #2: One single-high 18-foot mist net and two single-high 42-foot mist nets set in an T-formation in grassy "propagation area" between first and second mine entrance with the 18-foot mist net perpendicular to the mine entrances and the two 42-foot nets parallel. Start Time: 2030; End Time: 2345. Start Temp: 65.1°F; End Temp: 62.4°F.

GPS (NAD27): 40°29'48.28"N; 78°16'27.66"W

<i>Myotis lucifugus</i> , little brown myotis		143 (75f (59a (47nr, 5pl, 7u), 16j (10nr, 6u), 67m (52a (34nr, 13s, 5u), 15j))
<i>Myotis septentrionalis</i> , northern myotis		2 males, adult (nr)
<i>Pipistrellus subflavus</i> , eastern pipistrelle		2 (1 female (a, nr), 1 male (j, s))
Total species		3
Total individuals	=	147
Grand Total Species	=	4
Grand Total Individuals	=	164

f = female, m = male, a = adult, j = juvenile

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive, s = scrotal, u = unknown
unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Day 04: 18 August 2009

Location #1: PA: Canoe Creek, State Game Lands #166. Start Time: 2030; End Time: 2400. Start Temp: 72°F. End Temp: 67°F.

GPS (NAD27): 40°31'49"N; 78°14'55"W

Site #1: One 3H 18-foot mist net, three 3H 30-foot mist nets and one 3H 42-foot mist net set perpendicular to each other about 1 mile from gate along gravel road.

<i>Eptesicus fuscus</i> , big brown bat	7 (2 females (1a, nr, 1j, nr), 5 males (4a(s), 1j (s)))
<i>Lasiurus borealis</i> , red bat	1 male (a, nr)
<i>Myotis lucifugus</i> , little brown myotis	9 (3 females (2a, nr; 1j, nr), 6 males (3a (2nr, 1s), 3j (nr)))
<i>Myotis septentrionalis</i> , northern myotis	1 male (a, s)
<i>Myotis</i> unknown, unknown myotis	1 unknown
Grand Total Species	= 4
Grand Total Individuals	= 19

Location #3: PA: Petersburg, Petersburg Cave. Start Time: 2015; End Time: 2345. Start Temp: 74.7°F, End Temp: 70.2°F

GPS (NAD27): 40°32'06"N; 78°07'34"W

Site #1: One 18-foot mist net set in front of cave entrance.

<i>Eptesicus fuscus</i> , big brown bat	1 female (j, nr)
<i>Myotis leibii</i> , eastern small-footed myotis	1 male (j, nr)
<i>Myotis lucifugus</i> , little brown myotis	76 (22f (14a (11nr, 3pl), 8j (nr), 53m (33a (12nr, 21s), 20j, (19nr, 1s), 1u))
<i>Myotis septentrionalis</i> , northern myotis	12 (4 female (2nr, 1pl), 1j, nr), 8 males (5a (4nr, 1s), 3j (nr))
<i>Pipistrellus subflavus</i> , eastern pipistrelle	13 males (8 adult (2nr, 6s), 3 juvenile (nr))
Grand Total Species	= 5
Grand Total Individuals	= 103

Location #2: PA: Huntingdon, Huntingdon Rocks. Start Time: 2000; End Time: 2330. Start Temp: 79.2°F End Temp: 68.9°F.

GPS (NAD27): 40°30'13.8"N; 78°01'28.9"W

Site #1: One 18-foot mist net set in front of cliff face.

<i>Eptesicus fuscus</i> , big brown bat	4 (1 female (j, nr), 3 males (a, s))
<i>Myotis lucifugus</i> , little brown myotis	109 (55f (41a (18nr, 23pl), 14j (nr)), 54m (36a (23nr, 13s), 18j (14nr, 4s)))
<i>Myotis septentrionalis</i> , northern myotis	13 (5 female, adult (1nr, 4pl), 8 males (7a (3nr, 4s), 1j (s)))
Grand Total Species	= 3
Grand Total Individuals	= 12

Summary of Capture Results: 15–18 August 2009

Four 18-foot mist nets, one 30-foot mist net, five 42-foot mist nets, two 3H 18-foot mist nets, nine 3H 30-foot mist nets, nine 3H 42-foot mist nets, and two large harp traps.
(Total net/hrs = 92.25)

<i>Eptesicus fuscus</i> , big brown bat	20 (7f (4a (3nr, 1pl), 3j (nr), 13m (11a (s), 2j (s)))
<i>Lasiurus borealis</i> , red bat	17 (4 female (j, nr), 11 male (10a (1nr, 9s), 1j (s)), 2 unknown)
<i>Lasiurus cinereus</i> , hoary bat	1 male (a, s)
<i>Myotis leibii</i> , eastern small-footed myotis	3 males (1 adult (s), 2 juvenile (nr))
<i>Myotis lucifugus</i> , little brown myotis	414 (207f (160a (96nr, 53pl, 11u), 47j (41nr, 6u), 205m (141a (78nr, 58s, 5u), 64j (54nr, 6s, 4u), 2 unknown))
<i>Myotis septentrionalis</i> , northern myotis	38 (10 females (8a (3nr, 5pl), 2j), 28 males (19 a (10nr, 9s), 9j (6nr, 3s)))
<i>Myotis</i> sp., unknown myotis	2 unknown
<i>Pipistrellus subflavus</i> , eastern pipistrelle	21 (2 females (1adult (nr), 1 juvenile (nr)), 19 males (12 a (6nr, 6s), 7j (5nr, 2s)))
Total Species	= 7
Total Individuals	= 516

f = female, m = male, a = adult, j = juvenile

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive, s = scrotal, u = unknown
unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive