

**1998 BCI Bat Conservation and Management Workshop**  
**Barree, PA**  
**Capture Data**

J.Tyburec/BCI

Session I August 14 thru 19, 1998

Day 01: 15 August 1998: Start Time: 2030, End Time: 2300 (Start Temp: 70F, End Temp: 69F w/fog)

Location #1: Barree, Pennsylvania State Forest Lands around old Girl Scout Camp

Site #1: Pond in center of Meadow. One 30-foot, one 18-foot, and one 8-foot net surrounding three of the four sides of the pond.

Total species	=	0
Total individuals	=	0

Site #2: Spill-way at downstream end of meadow. One 18-foot net over water downstream from spill-way and one 30-foot canopy net (25-feet high) in front of spill-way.

*Eptesicus fuscus*, big brown bat 1 males (j)

Total species	=	1
Total individuals	=	1

Site #3: Forest trail at upstream end of meadow near shale dump. One large AustBat harp trap across trail under overhanging vegetation flanked by one 18-foot mist net and one 30-foot mist net.

*Lasiurus borealis*, red bat 1 male (j) — trap caught

*Myotis leibii*, eastern small-footed myotis 1 male (j) — trap caught

Total species	=	2
Total individuals	=	2
<b>Grand Total Species</b>	=	<b>3</b>
<b>Grand Total Individuals</b>	=	<b>3</b>

Day 02: 16 August 1998 — Start Time: 2030, End Time: 2300 (Start Temp: 71F, End Temp: 70F w/light drizzle by 2300)

Location #1: Beaver Ponds on State Game Lands near Canoe Creek State Park off Route 22.

Site #1: One 30-foot mist net across stream about 1/2-mile downstream from beaver ponds.

*Lasiurus borealis*, red bat 7 (5 males, 2 unknown) ages undetermined

*Myotis lucifugus*, little brown myotis 2 (1 male, 1 unknown) ages undetermined

*Myotis septentrionalis*, northern long-eared myotis 2 males, ages undetermined

Total species	=	3
Total individuals	=	11

Site #2: One large AustBat harp trap across stream between encroaching vegetation with little overhanging vegetation about 20-yards upstream from site #1.

*Lasiurus borealis*, red bat 1 male, age undetermined

*Myotis lucifugus*, little brown myotis 1 male, age undetermined

Total species	=	2
Total individuals	=	2

Site #3: One double-high 30-foot net (two 30-foot nets) along bridge, and one 18-foot net over water at beaver ponds.

*Lasiurus borealis*, red bat 5 males (3a, 2j)

*Myotis lucifugus*, little brown myotis 5 males (3a, 2j)

Total species	=	2
Total individuals	=	10

Site #4: Two 18-foot mist nets upstream from beaver ponds about 2 miles. One over a 10' x 10' pool in stream, one over a forest trail.

*Eptesicus fuscus*, big brown bat 1 male (a)

*Lasiurus borealis*, red bat 3 (2 females (a, nr), 1 unknown)

*Myotis lucifugus*, little brown myotis 2 male (a)

Total species	=	3
Total individuals	=	6
<b>Grand Total Species</b>	=	<b>4</b>
<b>Grand Total Individuals</b>	=	<b>29</b>

Day 03: 17 August, 1998 — Start Time: 2030, End Time: 2330 (Start Temp: 74F, End Temp: 70F, w/intermittent fog.)

Location #1: Canoe Creek State Park gated limestone mine.

Site #1: One small harp-trap at first entrance blocked by plastic except for trap opening.

<i>Myotis lucifugus</i> , little brown myotis			53 (36males, 17 females)
<i>Myotis septentrionalis</i> , northern long-eared myotis			1 male
Total species	=		2
Total individuals	=		54

Site #2: One 30-foot mist net set perpendicular to mine entrances between entrance 1 and entrance 2 within State Game Propagation Area below entrances.

<i>Myotis lucifugus</i> , little brown myotis			30 (14 males, 16 females)
<i>Myotis septentrionalis</i> , northern long-eared myotis			5 (2 males, 3 females)
Total species	=		2
Total individuals	=		35

Site #3: One 18-foot mist net set perpendicular to mine entrances between entrance 1 and entrance 2 within State Game Propagation Area below entrances.

<i>Myotis lucifugus</i> , little brown myotis			16 (10 males, 6 females)
<i>Pipistrellus subflavus</i> , eastern pipistrelle			1 male
Total species	=		2
Total individuals	=		17

Site #4: One 18-foot mist net set perpendicular to mine entrances between entrance 1 and entrance 2 within State Game Propagation Area below entrances under overhanging vegetation.

<i>Myotis lucifugus</i> , little brown myotis			22 (8 males, 14 females)
<i>Myotis septentrionalis</i> , northern long-eared myotis			3 females (nr)
Total species	=		2
Total individuals	=		25
<b>Grand Total Species</b>	=		<b>3</b>
<b>Grand Total Individuals</b>	=		<b>131</b>

Day 04: 18 August 1998

Location #1: Huntingdon Rocks. Start Time: 2000, End Time: 2245 (Start Temp: 70F, End Temp: 62F, w/wind.)

Site #1: One 18-foot net set between cliffs in front of crevice/cave.

<i>Eptesicus fuscus</i> , big brown bat			3 males
<i>Myotis lucifugus</i> , little brown myotis			17 (10 males, 7 females)
<b>Grand Total Species</b>	=		<b>2</b>
<b>Grand Total Individuals</b>	=		<b>20</b>

Location #2: Artificial wetlands along Route 305 between Petersburg and Ribot. Start Time: 2000, End Time: 2330 (Start Temp: 70F, End Temp: 62F, with very strong winds.)

Site #1: One Large AustBat harp trap, two 42-foot nets set double-high, and one 42-foot net all set in front of open water area.

<i>Myotis septentrionalis</i> , northern long-eared myotis			1 female (nr) — net caught
<b>Grand Total Species</b>	=		<b>1</b>
<b>Grand Total Individuals</b>	=		<b>1</b>

Location #3: Little Juniata River near Greene Hills Manor in Barree. Start Time: 2015, End Time: 2235 (Start Temp: 70F, End Temp 65F)

Site #1: One 18-foot mist net and one 42-foot mist net set over 80' wide and unlimited long swoop zone.

<i>Myotis lucifugus</i> , little brown myotis			18 (7males, 11 females)
<b>Grand Total Species</b>	=		<b>1</b>
<b>Grand Total Individuals</b>	=		<b>18</b>

**Summary of Capture Results: Session I — August 14 thru 19, 1998**  
**Four 42-foot nets, seven 30-foot nets, ten 18-foot nets, one 8-foot net, three large traps, and one small trap**  
**(67.75 net/trap-hours)**

<i>Eptesicus fuscus</i> , big brown bat			5 males
<i>Lasiurus borealis</i> , red bat			17 (12 males, 2 females, 3 unknown)
<i>Myotis leibii</i> , eastern small-footed myotis			1 male
<i>Myotis lucifugus</i> , little brown myotis			166 (94 males, 71 females, 1 unknown)
<i>Myotis septentrionalis</i> , northern long-eared myotis			12 (5 males, 7 females)
<i>Pipistrellus subflavus</i> , eastern pipistrelle			1 male
	<b>Total species</b>	<b>=</b>	<b>6</b>
	<b>Total individuals</b>	<b>=</b>	<b>202</b>

**Session II August 21 thru 26, 1998**

Day 01: 22 August 1998 — Start Time: 2015, End Time 2315 (Start Temp: 80F, End Temp: 67F)

Location #1: Barree, Pennsylvania State Forest Lands around old Girl Scout Camp

Site #1: Spillway at downstream end of meadow. One 8-foot net at break in spill-way. One 42-foot net along edge of stream into forest, and one 30-foot canopy net (~25-feet high) and one 30-foot net below it at ground level in front of the forest opposite the spill-way.

<i>Eptesicus fuscus</i> , big brown bat			2 males
<i>Lasiurus borealis</i> , red bat			4 males
<i>Myotis lucifugus</i> , little brown myotis			1 female
<i>Pipistrellus subflavus</i> , eastern pipistrelle			1 male

Site #2: Pond at center of meadow, surrounded by alder. One 8-foot, one 18-foot, and one 30-foot mist net surrounding pond on three sides.

<i>Eptesicus fuscus</i> , big brown bat			1 male
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Site #3 Creek upstream from meadow at road crossing to shale pit. One large AustBat harp trap and one 18-foot mist net across road under overhanging vegetation.

<i>Eptesicus fuscus</i> , big brown bat			1 male
<i>Lasiurus borealis</i> , red bat			1 male
	Total species	=	3
	Total individuals	=	11

Day 02: 23 August 1998

Location #1: Beaver Pond on State Game Lands #166 near Canoe Creek State Park. Start Time: 2030, End Time: 2300 (Start Temp: 70F, End Temp: 66F)

Site #1: One double-high 30-foot net (two nets) stacked along bridge on downstream side and one single-high 18-foot net (one net) along bridge on upstream side.

<i>Lasiurus borealis</i> , red bat			12 (10 males, 2 females)
<i>Lasiurus cinereus</i> , hoary bat			1 male
<i>Myotis lucifugus</i> , little brown myotis			1 female (adult)
	Total species	=	3
	Total individuals	=	14

Location #2: Down stream along creek near Beaver Ponds on State Game Lands #166 near Canoe Creek State Park. StartTime: 2000, End Time: 2330 (Start Temp: 74F, End Temp: 68)

Site #1 One 30-foot net across deep still pool in stream (swoop zone 30-feet wide by 100 feet long)

<i>Lasiurus borealis</i> , red bat			1 male
<i>Myotis septentrionalis</i> , northern long-eared myotis			4 (3 males, 1 female)

Site #2: One 18-foot net across still running stream upstream from site #1 (swoop zone 18-feet wide by 125 feet long)

<i>Lasiurus borealis</i> , red bat			2 males
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Site #3: One large AustBat Harp Trap between vegetation at point where meadow narrows into tree shrouded stream upstream about 75 yards from Site #2.

<i>Lasiurus borealis</i> , red bat			2 males
<i>Myotis lucifugus</i> , little brown myotis			12 (7 males, 5 females)
<i>Myotis septentrionalis</i> , northern long-eared myotis			1 female
	Total species	=	3
	Total individuals	=	22
	<b>Grand Total Species</b>	<b>=</b>	<b>4</b>
	<b>Grand Total Individuals</b>	<b>=</b>	<b>36</b>

Day 03: 24 August 1998 — Start Time: 2000, End Time: 2300 (Start Temp: 75F, End Temp: 72F)

Location #1: Canoe Creek State Park, Gated Limestone mine.

Site #1: One 30-foot mist net set perpendicular to the mine entrances nearest the middle entrance.

*Myotis lucifugus*, little brown myotis = 81 (51 males, 30 females)

*Myotis septentrionalis*, northern long-eared myotis = 6 (5 males, 1 female)

*Myotis sodalis*, Indiana myotis = 1 male (juvenile)

Site #2: One 18-foot mist net set perpendicular to the mine entrances between the first and second entrances.

*Myotis lucifugus*, little brown myotis 10 (7 males, 3 females)

*Myotis septentrionalis*, northern long-eared myotis 1 male

Site #3: One small harp-trap set over first entrance (entrance w/door) with remainder of entrance blocked off with plastic.

*Myotis lucifugus*, little brown myotis 79 (56 males, 23 females)

*Myotis septentrionalis*, northern long-eared myotis 1 male

Grand Total Species = 3

Grand Total Individuals = 179

Day 04: 25 August 1998

Location #1: Petersburg Cave — Start Time: 2000, End Time: 2200 (Start Temp: 72F, End Temp: 68F)

Site #1: One 18-foot mist net in front of lower entrance

*Eptesicus fuscus*, big brown bat 1 female

*Myotis leibii*, eastern small-footed myotis 4 (3 males, 1 female)

*Myotis lucifugus*, little brown myotis 28 (23 males, 5 females)

*Myotis septentrionalis*, northern long-eared myotis 8 (5 males, 3 females)

*Pipistrellus subflavus*, eastern pipistrelle 2 (1 male, 1 female; both juveniles)

Total Species = 5

Total Individuals = 43

Location #2: Huntingdon Rocks — Start Time: 2000, End Time: 2200 (Start Temp: 72F, End Temp: 68F)

Site #1: One 18-foot mist net in front of cliff/cave entrance

*Lasiurus borealis*, red bat 1 female

*Myotis lucifugus*, little brown myotis 91 (51 males, 40 females)

*Myotis septentrionalis*, northern long-eared myotis 8 (3 males, 4 females, 1 unknown)

Total Species = 3

Total Individuals = 100

Location #3: Tytoona Cave — Start Time: 2000, End Time: 2230 (Start Temp: 70F, End Temp: 67F)

Site #1: One 18-foot net across the dry riverbed in front of the cave entrance

*Myotis lucifugus*, little brown myotis 8 males

*Pipistrellus subflavus*, eastern pipistrelle 4 (3 males, 1 unknown)

Total Species = 2

Total Individuals = 12

#### Summary of Capture Results: Session II — August 21 thru 26, 1998

One 42-foot net, seven 30-foot nets, eight 18-foot nets, two 8-foot nets, two large traps, and one small trap.  
(60.5 net/trap-hours)

*Eptesicus fuscus*, big brown bat 5 (4 males, 1 female)

*Lasiurus borealis*, red bat 23 (20 males, 3 females)

*Lasiurus cinereus*, hoary bat 1 male

*Myotis leibii*, eastern small-footed myotis 4 (3 males, 1 female)

*Myotis lucifugus*, little brown myotis 311 (203 males, 108 females)

*Myotis septentrionalis*, northern long-eared myotis 29 (18 males, 10 females, 1 unknown)

*Myotis sodalis*, Indiana myotis 1 male

*Pipistrellus subflavus*, eastern pipistrelle 7 (5 males, 1 female, 1 unknown)

**Total species = 8**

**Total individuals = 381**

**1998 Bat Conservation and Management Workshop  
 Summary of Capture Results — August 14 thru August 26, 1998  
 Five 42-foot nets, Fourteen 30-foot nets, Eighteen 18-foot nets, Three 8-foot nets, Five large AustBat Harp  
 Traps and Two small Harp Traps  
 (128.25 net/trap-hours)**

<i>Eptesicus fuscus</i> , big brown bat	10 (9 males, 1 female)
<i>Lasiurus borealis</i> , red bat	40 (32 males, 5 females, 3 unknown)
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis leibii</i> , eastern small-footed myotis	5 (4 males, 1 female)
<i>Myotis lucifugus</i> , little brown myotis	477 (297 males, 179 females, 1 unknown)
<i>Myotis septentrionalis</i> , northern long-eared myotis	41 (23 males, 17 females, 1 unknown)
<i>Myotis sodalis</i> , Indiana myotis	1 male
<i>Pipistrellus subflavus</i> , eastern pipistrelle	8 (6 males, 1 female, 1 unknown)
<b>Total species</b>	<b>= 8</b>
<b>Total individuals=</b>	<b>583</b>