

**1997 BCI Bat Conservation and Management Workshop**  
**Mammoth Cave, KY**  
**Summary of Capture Data**

J.Tyburec/BCI

Day 01:	05 August 1997: 1945--2015 (Start Temp: 22C, End Temp: 21C)		
Location #1:	Rider's Mill Cave — lower entrance.		
Site #1:	One Aust-Bat Harp Trap and one small harp trap at cave entrance with plastic excluding remainder of entrance.		
<i>Myotis grisescens</i> , gray bat			7 (4 females (3j, 1nr), 3 males(a))
<i>Pipistrellus subflavus</i> , eastern pipistrelle			1 unknown
	<b>Grand Total Species</b>	=	<b>2</b>
	<b>Grand Total Individuals</b>	=	<b>8</b>
Location #2:	Rider's Mill Cave — upper entrance, Pretty Hollow.		
Site #1:	One Aust-Bat Harp Trap at cave entrance.		
<i>Myotis grisescens</i> , gray bat			9 (2 females (1j, 1pl), 5 males (2j, 3a), 2 unknown)
	<b>Grand Total Species</b>	=	<b>1</b>
	<b>Grand Total Individuals</b>	=	<b>9</b>
Day 02:	06 August 1997:2000--2200 (Start Temp: 19C, End Temp 18C)		
Location #1:	Forest sets along Raymer Hollow Trail off Maple Springs Loop Road		
Site #1:	One 18-foot net under overhanging vegetation near trail head.		
<i>Lasiurus borealis</i> , eastern red bat			2 (1 male (a), 1 female (nr))
<i>Myotis septentrionalis</i> , northern long-eared bat			1 male (a)
	Total species	=	2
	Total individuals	=	3
Site #2:	One 18-foot net under overhanging vegetation near bend before creek crossing.		
<i>Myotis septentrionalis</i> , northern long-eared bat			1 male (a)
	Total species	=	1
	Total individuals	=	1
Site #3:	One 18-foot net under overhanging vegetation over creek where creek enters trail and one 18-foot net under overhanging vegetation 15-meters past creek crossing along trail.		
<i>Lasiurus borealis</i> , eastern red bat			2 males (1a, 1j)
<i>Myotis septentrionalis</i> , northern long-eared bat			2 (1 female (nr), 1 male (a))
	Total species	=	2
	Total individuals	=	4
	<b>Grand Total Species</b>	=	<b>2</b>
	<b>Grand Total Individuals</b>	=	<b>8</b>
Location #2:	Mill Branch Creek off Maple Spring Loop Road.		
Site #1:	Two 8-foot nets over still pools in creek with overhanging vegetation		
<i>Corynorhinus rafinesquii</i> , Rafinesque's big-eared bat			4 (3 females (2j, 1pl), 1 male (a))
<i>Lasiurus borealis</i> , eastern red bat			4 (3 females (j), 1 male (a))
<i>Myotis grisescens</i> , gray bat			2 males (a)
<i>Myotis septentrionalis</i> , northern long-eared bat			6 (3 females (pl), 3 males (2a, 1j))
	<b>Grand Total Species</b>	=	<b>4</b>
	<b>Grand Total Individuals</b>	=	<b>16</b>
Location #3:	Forest sites near Good Spring Church along Buffalo Trail and Good Spring Loop Trail.		
Site #1:	One 18-foot net under overhanging vegetation along Buffalo Trail		
<i>Myotis septentrionalis</i> , northern long-eared bat			1 male (a)
	Total species	=	1
	Total individuals	=	1
Site #2:	One Aust-Bat trap under overhanging vegetation and one set of trip lines at creek crossing along Good Spring Loop Trail		
<i>Myotis septentrionalis</i> , northern long-eared bat			1 female (nr)
	Total species	=	1
	Total individuals	=	1
	<b>Grand Total Species</b>	=	<b>1</b>
	<b>Grand Total Individuals</b>	=	<b>2</b>

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive, a = adult, j = juvenile

Day 03: 07 August 1997 — (Start Temp: 19C, End Temp: 19C)

Location #1: James Cave entrances near Park Mammoth

Site #1: Aust-Bat trap at main entrance of James Cave

<i>Myotis septentrionalis</i> , northern long-eared myotis		1 male (a)
Total species	=	1
Total individuals	=	1

Site #2: One 8-foot net at entrance to Slave Cave (next to Main James Cave entrance)  
No bats captured

Site #3: One 42-foot net along railroad tracks outside Slave and main James Cave entrance

<i>Eptesicus fuscus</i> , big brown bat		2 males (1a, 1j)
Total species	=	1
Total individuals	=	2

Site #4: One 8-foot net along bend in railroad bed  
No bats captured

Site #5: One 30-foot net in front of the artificial entrance to James Cave (along power line easement)

<i>Myotis grisescens</i> , gray bat		1 male (j)
Total species	=	1
Total individuals	=	1
<b>Grand Total Species</b>	=	<b>2</b>
<b>Grand Total Individuals</b>	=	<b>3</b>

Location #2: Long Cave entrance near Park Mammoth

Site#1: Two 42-foot nets along trail in front of low end of sinkhole

<i>Eptesicus fuscus</i> , big brown bat		1 male (a)
<b>Grand Total Species</b>	=	<b>1</b>
<b>Grand Total Individuals</b>	=	<b>1</b>

Day 04: 08 August 1997 — (Start Temp: 24C, End Temp: 22C)

Location #1: Echo River Springs

Site #1: One 42-foot net along trail at gap in trees over-looking spring.

<i>Myotis septentrionalis</i> , northern long-eared bat		15 (6 females (2j, 2nr, 2pl), 9 males (6a, 3j))
<i>Eptesicus fuscus</i> , big brown bat		1 male (a)
Total species	=	2
Total individuals	=	16

Site #2: One 18-foot net across gap in bank where spring empties into back-wash pond.

<i>Eptesicus fuscus</i> , big brown bat		1 female (pl)
Total species	=	1
Total individuals	=	1

Site #3: One 18-foot net over water mid-way between spring and Green River.

<i>Eptesicus fuscus</i> , big brown bat		1 male (a)
<i>Myotis grisescens</i> , gray bat		1 male (a)
<i>Nycticeius humeralis</i> , evening bat		2 females (1pl, 1j)
Total species	=	3
Total individuals	=	4

Site #4: One 18-foot net over water about 50 yards from spring entrance into Green River.

<i>Lasiurus borealis</i> , eastern red bat		1 male (a)
<i>Myotis septentrionalis</i> , northern long-eared myotis		1 male (a)
Total species	=	2
Total individuals	=	2
<b>Grand Total Species</b>	=	<b>6</b>
<b>Grand Total Individuals</b>	=	<b>23</b>

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive, a = adult, j = juvenile

Location #2: Historic Entrance of Mammoth Cave, Mammoth Cave National Park  
1945--2215

Site#1: One AustBat Harp Trap in front of gated entrance with sides blocked off by plastic  
*Eptesicus fuscus*, big brown bat 6 (2 females (1pl, 1nr), 4 males(3a, 1j))  
*Myotis leibii*, eastern small-footed myotis 7 (2 females (nr), 5 males (2j, 3a))  
*Myotis septentrionalis*, northern long-eared myotis 5 (2 females (1nr, 1j), 3 males (1j, 2a))  
*Pipistrellus subflavus*, eastern pipistrelle 4 males (1a, 3j)  
**Grand Total Species = 4**  
**Grand Total Individuals = 22**

Location #3: Dixon Cave, 0.25 miles from Historic Entrance to Mammoth Cave  
1950--2245

Site#1: One AustBat Harp Trap against gate at entrance (no plastic blocking rest of entrance), One 18-foot net across trail right at chain-link fence gate, and one 30-foot net along trail cover gap in vegetation leading up to cave entrance.  
*Eptesicus fuscus*, big brown bat 13 (4 females (1j, 3nr), 9males (2j, 7a))  
*Lasiurus borealis*, red bat 1 female (j)  
*Myotis leibii*, eastern small-footed myotis 12 (2 females (1nr, 1pl), 9males (6j, 3a), 1 unknown)  
*Myotis lucifugus*, little brown myotis 2 males (1j, 1a)  
*Myotis septentrionalis*, northern long-eared myotis 3 males (1j, 1a, 1unk)  
**Grand Total Species = 5**  
**Grand Total Individuals = 31**

### Summary of Capture Results: August 05 thru August 08, 1997

Four 8-foot nets, Nine 18-foot nets, Two 30-foot nets, Four 42-foot nets, One set of trip-lines,  
One small harp trap and Six large harp traps

(51 total net trap hours)

*Corynorhinus rafinesquii*, Rafinesque's big-eared bat 4 (1 male (a), 3 females (1pl, 2j))  
*Eptesicus fuscus*, big brown bat 25 (18 males (14a, 4j), 7 females (4nr, 2pl, 1j))  
*Lasiurus borealis*, eastern red bat 10 (5 males (4a, 1j), 5 females (1nr, 4j))  
*Myotis grisescens*, gray myotis 20 (12 males (9a, 4j), 6 females (1nr, 1pl, 4j), 2 unk)  
*Myotis leibii*, eastern small-footed myotis 19 (14 males (6a, 8j), 4 females (3nr, 1pl), 1 unknown)  
*Myotis lucifugus*, little brown myotis 2 males (1a, 1j)  
*Myotis septentrionalis*, northern long-eared myotis 36 (23 males (16a, 7j), 12 females (5nr, 5pl, 2j), 1 unk)  
*Nycticeius humeralis*, evening bat 2 females (1pl, 1j)  
*Pipistrellus subflavus*, eastern pipistrelle 5 (4 males (1a, 3j), 1 unknown)  
**Total species = 9**  
**Total individuals = 123**

Please direct all inquiries about this information to:

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