

**BCI Bat Conservation and Management Workshop – Mammoth Cave, Kentucky
2004 Capture Report**

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08 September 2004

Location 1: Edmonson, MACA. Start Time: 1930; End Time: 2215. Start Temp: 68F; End Temp: 65F

Lat/Long: 37°12'15.1" 86°8'37.9"

Site 1: Buffalo Road; forested jeep trail. Two 18-foot mist nets and one quad-high 30-foot set on trail.

Myotis septentrionalis, northern myotis 2 (1 f (a, nr), 1 m (j, nr))

Myotis sodalis, Indiana myotis 1 m (a, s)¹

Total species = 2

Total individuals = 3

Location 2: Edmonson, MACA. Start Time: 1945; End Time 2200. Start Temp 67F; End Temp: 67F

Lat/Long: 37°12'30.5" 86°8'51.7"

Site 1: Good Spring Church; forested trail to creek. Two large Ausbat Harp traps on high-ground.

Myotis septentrionalis, northern myotis 1 m (a, nr)

Total species = 1

Total individuals = 1

Site 2: Good Springs Church; forested trail crossing creek. One 8-foot mist net and two 42-foot nets in V over water approximately 6' wide by 40 feet long with unlimited swoop zone.

Corynorhinus rafinesquii, Rafinesque's big-eared bat 1 m (j,s)²

Myotis septentrionalis, northern myotis 3 f (2a, nr; 1j, nr)

Total species = 2

Total individuals = 4

Location 3: Edmonson, MACA. Start Time: 1900; End Time 2200. Start Temp: 68.5F; End Temp: 66F.

Lat/Long: 37°12'44.7" 86°8'19.6"

Site 1: Mill Branch; forest stream. Two 8-foot nets, two 18-foot nets, and one 30-foot net set over water, parallel to each other over water approximately 10' wide by 100' long with unlimited swoop zone.

Lasiurus borealis, red bat 1 f (a, nr)

Myotis septentrionalis, northern myotis 3 (1 f (a, nr), 2 m (a, nr))

Pipistrellus subflavus, eastern pipistrelle 1 m (a, nr)

Total species = 3

Total individuals = 5

Grand Total Species 5

Grand Total Individuals 13

09 September 2004

Location 1: Edmonson, Park Mammoth. Start Time: 1900; End Time: 2130. Start Temp: 65F; End Temp 65F.

Lat/Long: 37°6'8.3" 86°4'47.0"

Site 1: One large Ausbat Harp trap and two 18-foot mist nets set near lower entrance to Hundred Dome (Coach) Cave.

Myotis grisescens, gray myotis 29 (7 f (a, nr), 19 m (a, nr), 3 unk) – trap caught

Pipistrellus subflavus, eastern pipistrelle 3 (1 f (unk), 2 m (1a, nr; 1 unk)) – net caught

Total species = 2

Total individuals = 32

f = female * m= male * a = adult * j = juvenile * p = pregnant * l = lactating * pl = post-lactating
nr = non-reproductive * s = scrotal * unk/u = unknown (unless noted; assume a-nr)

Location 2: Edmonson, Park Mammoth. Start Time: 1900; End Time 2130. Start Temp 65F; End Temp 65F.

Lat/Long: 37°6'3.7" 86°4'15.3"

Site 1: One 8-foot mist net, three 18-foot mist nets and one 42-foot mist net set along wooded trails near entrance to James and Slave Caves

Myotis grisescens, gray myotis 1m (a, nr)
Total species = 1
Total individual = 1

Site 2: One large Austbat Harp Trap set near sinkhole entrance to James Cave

Myotis grisescens, gray myotis 213 (1f (a,nr), 17m (16a (9nr, 7s), 1j (nr)), 195unk)
Total species = 1
Total individuals = 213

Site 3: One 8-foot mist net set along trail leading into woods across the street from James and Slave Caves.

Myotis grisescens, gray myotis 1m (a, nr)
Total species = 1
Total individual = 1

Grand Total Species 2
Grand Total Individuals 247

10 September 2004

Location 1: Edmonson, MACA. Start Time 1900, End time 2300. Start Temp: 60F; End Temp: 55F.

Lat/Long: 37°11'13.9" 86°6'10.8"

Site 1: One 18-foot mist net set just back from the gate at the Historic Entrance at Mammoth Cave.

Lasiurus borealis, red bat 2 (1f (a, nr), 1m (a, s))
Myotis leibii, eastern small-footed myotis 5m (2a, nr; 3a, s)
Myotis lucifugus, little brown myotis 20 (1f (a, nr), 19m (4a, nr; 13a, s; 1j, nr; 1unk))
Myotis septentrionalis, northern myotis 2m, a, s
Pipistrellus subflavus, eastern pipistrelle 101 (17f(9nr, 8pl), 80m (21nr, 46s, 9j (8nr, 1s) 4u)
Total species = 5
Total individuals = 130

Location 2: Edmonson, MACA. Start Time: 1920, End Time 2300. Start Temp: 70F, End Temp 68F.

Lat/Long: 37°11'22.2" 86°6'19.1"

Site 1: One 30-foot mist net and two 42-foot mist nets set end-to-end along forested trail near Dixon Cave.

Lasiurus borealis, red bat 2m (unk)
Myotis grisescens, gray myotis 2m (1a, nr; 1unk)
Myotis leibii, eastern small-footed myotis 6 (1f (unk), 5m (4a (3nr, 1s), 1unk))
Myotis lucifugus, little brown myotis 3m (unk)
Myotis septentrionalis, northern myotis 9 (1f (nr), 7m (4a, nr; 3unk), 1unk))
Myotis sp, unknown myotis 1 unk
Pipistrellus subflavus, eastern pipistrelle 4 (1f (unk), 2m (unk), 1unk)
Total species = 6
Total individuals = 27

Grand Total Species 6

Grand Total Individuals 15711 September 2004

Location 1: Edmonson, MACA. Start Time: 1915, End Time 2135. Start Temp: 73, End Temp: 70F (rain)

f = female * m= male * a = adult * j = juvenile * p = pregnant * l = lactating * pl = post-lactating
nr = non-reproductive * s = scrotal * unk/u = unknown (unless noted; assume a-nr)

Lat/Long: 37°10'38.1" 86°6'30.5

Site 1: One 18-foot mist net, two 42-foot mist nets, and one large Austbat Harp Trap set end to end along forest trail above Echo River Spring and Echo River.

<i>Lasionycteris noctivagans</i> , silver-haired bat	1f (nr)
<i>Lasiurus borealis</i> , red bat	4 (2f (nr), 2m (nr))
<i>Myotis septentrionalis</i> , northern myotis	28 (20f (19nr, 1pl), 8m (5nr, 3s))
<i>Pipistrellus subflavus</i> , eastern pipistrelle	1m (s)
Total species	= 4
Total individuals	= 34

Site 2: One 8-foot mist net, three 30-foot mist nets, one 42-foot mist net and one Large Austbat Harp Trap set over water at Echo River Spring and along Echo River. (Start Temp: 73F, End Temp 69F; with rain)

<i>Eptesicus fuscus</i> , big brown bat	5 (2f, pl), 2m (s), 1unk)
<i>Lasiurus borealis</i> , red bat	5 (1f (j, nr), 4m (a, s))
<i>Myotis septentrionalis</i> , northern myotis	4f (2a, nr; 2a, pl)
<i>Nycticeius humeralis</i> , evening bat	3f (1a, pl; 2j, nr)
<i>Pipistrellus subflavus</i> , eastern pipistrelle	3 (1f (a, pl), 2m (a, s))
Total species	= 5
Total individuals	= 20
Grand Total Species	6
Grand Total Individuals	54

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Capture Summary 8 thru 11 September 2004**

**Four 8-foot mist nets, twelve 18-foot mist nets, one quad-high 30-foot mist net, five 30-foot mist net, eight 42-foot mist nets, and six large Ausbat harp traps.
(97.25 net/trap hours)**

<i>Corynorhinus rafinesquii</i> , Rafinesque's big-eared bat	1 m (j, s)
<i>Eptesicus fuscus</i> , big brown bat	5 (2f (a, pl), 2m (a, s), 1 unk)
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 f (a, nr)
<i>Lasiurus borealis</i> , red bat	14 (5f (4a, nr; 1j, nr), 9m (2nr, 5s; 2unk))
<i>Myotis grisescens</i> , gray myotis	246 (8f (nr), 40m (31nr, 7s, 1j-nr), 198 unk)
<i>Myotis leibii</i> , eastern small-footed myotis	11 (1f, unk; 10m (5nr, 4s, 1unk))
<i>Myotis lucifugus</i> , little brown myotis	23 (1f (nr), 22m (4nr, 13s, 1j-nr, 4unk))
<i>Myotis septentrionalis</i> , northern myotis	52(30f(25nr,3pl,1j-nr,1u),21m(12nr,5s,1j-nr,3u),1unk)
<i>Myotis sodalis</i> , Indiana myotis	1m (a, s)
<i>Myotis</i> sp., unknown myotis	1
<i>Nycticeius humeralis</i> , evening bat	3f (1pl, 2j-nr)
<i>Pipistrellus subflavus</i> , eastern pipistrelle	113 (20f (9nr,9pl,2u),88m (23nr,49s,8j-nr,1j-s,7u),5u)
Grand Total Species	11
Grand Total Individuals	471

Notes:

¹Radio-tagged w/transmitter #94: 150.360 Mhz and banded w/KYF&W band #A00227

²Radio-tagged w/transmitter #95: 150.411 Mhz and banded w/KYF&W band #A00226

Please direct all inquiries regarding this data to:

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