

2005 BCI Bat Conservation and Management Workshop – Portal, AZ
 AZ: Cochise County, Coronado National Forest, Chiricahua Mountains
 Summary of Capture Data

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Session I

Day 01: 24 May 2005

Location #1: Idlewilde Campground; various creek locations upstream to Stewart. Start Time: 1930
 End Time: 2205 (Start Temp: 73.5F, End Temp: 75F)

Site #1: One large harp trap set over creek across from back end of campground, towards the back of Stewart, under overhanging vegetation.

Corynorhinus townsendii, Townsend's big-eared bat 1 female (p)

Eptesicus fuscus, big brown bat 1 male (nr)

Total species = 2

Total individuals = 2

Site #2: One 8-foot net over 8" wide pool, under and between encroaching vegetation, upstream from Site #1 w/swoop zone of approx. 8 ft.

Lasionycteris noctivagans, silver-haired bat 2 males (nr)

Myotis mela/cal, indeterminate small-footed bat 1 unknown

Total species = 2

Total individuals = 3

Location #2: Idlewilde Campground, Cave Creek near large saddle-shaped rock at back of campground and straight across from last campsite in campground. Start Time: 1930 End Time: 2205 (Start Temp: 73.5F, End Temp: 75F)

Site #1: Two 18-foot mist nets set parallel over small pool and one 30-foot mist net set diagonally across still pool at rock downstream from Location #1, Site #1.

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

Idionycteris phyllotis, Allen's big-eared bat 1 male (nr)

Lasionycteris noctivagans, silver-haired bat 2 males (nr)

Myotis auriculus, southwestern myotis 4 (3 females (nr), 1 male (nr))

Myotis volans, long-legged myotis 1 female (nr)

Pipistrellus hesperus, western pipistrelle 2 males (nr)

Total species = 3

Total individuals = 4

Location #3: Idlewilde Campground, Cave Creek downstream to bridge at entrance. Start Time: 1930, End Time: 2205 (Start Temp: 73.5F, End Temp 75F)

Site #4: Two 18-foot mist nets set parallel over small pool and one 30-foot mist net set in V-configuration across still pool downstream from Location #2, Site #1.

Choeronycteris mexicana, Mexican long-tongued bat 1 female (p)

Corynorhinus townsendii, Townsend's big-eared bat 1 female (p)

Eptesicus fuscus, big brown bat 1 male (nr)

Lasiurus cinereus, hoary bat 2 males (nr)

Myotis auriculus, southwestern myotis 2 females (nr)

Myotis californicus, California myotis 1 male (nr)

Total species = 6

Total individuals = 8

Grand Total Species = 11

Grand Total Individuals = 28

Day 02: 25 May 2005
 Location #1: Lower Cave Creek Canyon across from USFS Visitor Information Center. Start Time: 1930, End Time: 2330. Start Temp: 78F, End Temp: 77F.
 Site #1: One 18-foot mist net and one 30-foot mist net set in a V-formation over still pool in creek bed with a swoop zone of 20x100 feet, under large over-hanging sycamore limb.

<i>Antrozous pallidus</i> , pallid bat	1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat	6 males (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat	4 males (nr)
<i>Lasiurus cinereus</i> , hoary bat	1 male (nr)
<i>Myotis californicus</i> , California myotis	1 male (nr)
<i>Myotis volans</i> , long-legged myotis	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 female (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male (nr)
Total species	= 8
Total individuals	= 16

Site #2: One large Ausbat harp trap set under sycamore and cypress trees and between willows.

<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis	2 females (nr)
<i>Myotis californicus</i> , California myotis	3 (1 female (p), 2 males (nr))
<i>Myotis velifer</i> , cave myotis	1 male (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male (nr)
Total species	= 8
Total individuals	= 5

Location #2: Lower Cave Creek Canyon upstream from USFS Visitor Information Center. Start Time: 1930, End Time: 2330. Start Temp: 78F, End Temp: 77F.

Site #1: One 18-foot mist net set over 6x10 foot pool in stream between with 15x200 foot swoop zone and one 3-high 30-foot mist net set over dry creek w/unlimited swoop zone.

<i>Antrozous pallidus</i> , pallid bat	1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat	7 males (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat	2 (1 female (nr), 1 male)
<i>Myotis auriculus</i> , southwestern myotis	1 male (nr)
<i>Myotis californicus</i> , California myotis	1 female (nr)
<i>Myotis melanorhinus</i> , dark-nosed small-footed myotis	1 male (nr)
<i>Myotis thysanodes</i> , fringed myotis	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	3 (2 males (nr), 1 unknown)
Total species	= 9
Total individuals	= 18

Location #3: Cave Creek Canyon upstream from Location #2 across from USFS Visitor Information Center. Start Time: 1930, End Time: 2330. Start Temp: 78F, End Temp: 77F.

Site #1: One 8-foot net set with trap over small pool in creek and two 18-foot nets set with one 30-foot net to form a Z-configuration over a 15x40 pool w/unlimited swoop-zone.

<i>Antrozous pallidus</i> , pallid bat	1 male (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat	2 males (nr)
<i>Myotis auriculus</i> , southwestern myotis	1 male (nr)
Total species	= 3
Total individuals	= 4

Site #2: One large Ausbat harp trap set under over-hanging vegetation and between encroaching vegetation over dry section of creek about 40 yards upstream from site #1.

<i>Eptesicus fuscus</i> , big brown bat		2 males (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male (nr)
<i>Myotis velifer</i> , cave myotis		1 male (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		3 (1 female (nr), 2 males (nr))
Total Species	=	4
Total Individuals	=	7
Grand Total Species	=	12
Grand Total Individuals	=	53

Day 03: 26 May 2005

Location #1: South Fork of Cave Creek upstream from old water over road site (new bridge over creek site). Start Time: 1900 End Time: 2400. Start Temp: 73F, End Temp: 70F.

Site #1: 30-foot net set under cypress upstream from bridge over dry creek w/100x30 swoop zone.

<i>Antrozous pallidus</i> , pallid bat		4 males (nr)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		2 females (p)
<i>Eptesicus fuscus</i> , big brown bat		2 (1 female (nr), 1 male (nr))
<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males (nr)
<i>Myotis auriculus</i> , southwestern myotis		1 male (nr)
<i>Myotis californicus</i> , California myotis		5 (1 female (p), 4 males (nr))
<i>Myotis volans</i> , long-legged myotis		2 (1 female (nr), 1 male (nr))
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (nr)
Total Species	=	8
Total Individuals	=	19

Site #2: One 42-foot mist net set against new bridge, over water, blocking flyway under bridge.

<i>Myotis californicus</i> , California myotis		1 male (nr)
<i>Myotis volans</i> , long-legged myotis		1 male (nr)
Total Species	=	2
Total Individuals	=	2

Location #2: South Fork of Cave Creek downstream from old water over road site (new bridge over creek site). Start Time: 1920 End Time: 2230. Start Temp: 73.5F, End Temp: 70.1F.

Site #1 One large Austbat Harp trap set over ripply water in stream, under and between vegetation just downstream from bridge

Total Species	=	0
Total Individuals	=	0

Site #2: One 18-foot net set at upstream end of 10x30 foot pool with 10x100 foot swoop zone.

<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males (nr)
<i>Lasiurus cinereus</i> , hoary bat		1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis		2 (1 female (nr), 1 male)
<i>Myotis californicus</i> , California myotis		1 male (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		3 (1 female (nr), 2 males (nr))
Total Species	=	6
Total Individuals	=	10

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Set #3: One triple high (3x) 18-foot mist net set at downstream end of 10x30 foot pool in stream with 10x100 foot swoop zone.

<i>Eptesicus fuscus</i> , big brown bat		3 males (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males (nr)
<i>Myotis californicus</i> , California myotis		1 male (nr)
Total Species	=	3
Total Individuals	=	6

Location #3: South Fork of Cave Creek downstream from Location #2. Start Time: 1920 End Time: 2230. Start Temp: 73.5F, End Temp: 70.1F.

Site #1: Two 18-foot nets set parallel over small pool in stream

<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis		1 male (nr)
<i>Myotis melanorhinus</i> , dark-nosed small-footed myotis		1 male (nr)
Total Species	=	3
Total Individuals	=	3
Grand Total Species	=	10
Grand Total Individuals	=	40

Day 04: 27 May 2005.

Location #1: Creek behind dorms at Southwestern Research Station. Start Time: 1915, End Time: 2255. Start Temp: 59.2F, End Temp: 57.2F with steady rain from 1930 thru 2200.

Site #1: One large Austbat harp trap set in creek just behind labs over still shallow pool near large rock.

<i>Myotis californicus</i> , California myotis		1 male (nr)
<i>Myotis volans</i> , long-legged myotis		1 male (nr)
Total species	=	2
Total individuals	=	2

Site #2: One 18-foot mist net set in V-formation under big bridge behind rooms set over still water with a swoop zone of 10x50, and one 42-foot mist net set above bridge, at railing height with a swoop zone of 40x200.

<i>Myotis auriculus</i> , southwestern myotis		2 females (nr)
<i>Myotis volans</i> , long-legged myotis		4 (1 female (p), 3 males (nr))
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		2 males (nr)
Total species	=	3
Total individuals	=	8

Location #2: Pool at Southwestern Research Station. Start Time: 1930, End Time: 2330. Start Temp: 61.8F, End Temp: 57.9F, with steady rain from 1930 to 2100.

Site #1: One triple-high (3x) 18-foot net set at roadside end of pool, two 42-foot running off triple-high set and along long edge of pool, and one 30-foot net set across shallow end of pool forming a box set over pool.

<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		20 (2 females (1p, 1nr), 18 males (nr))
Total species	=	1
Total individuals	=	20
Grand Total Species	=	4
Grand Total Individuals	=	30

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Summary of Capture Results — Session I: 24 thru 27 May 2005

Two 8-foot nets, twelve 18-foot nets, five 30-foot nets, four 42-foot nets, two triple-high (3x) 18-foot nets, one triple-high (3x) 30-foot nets, and 5 large harp traps.

(Total net/trap-hours = 107.5)

<i>Antrozous pallidus</i> , pallid bat	9 males (nr)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	3 females (p)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	3 females (p)
<i>Eptesicus fuscus</i> , big brown bat	31 (2 females (nr), 38 males (nr), 1 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	3 males (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat	18 (1 female (nr), 17 males (nr))
<i>Lasiurus cinereus</i> , hoary bat	6 males (nr)
<i>Myotis auriculus</i> , southwestern myotis	25 (16 females (12 nr, 4p), 7 males, 2 unknown)
<i>Myotis californicus</i> , California myotis	23 (6 females (4nr, 2p), 14 males, 3 unknown)
<i>Myotis melanorhinus</i> , dark-nosed small-footed myotis	4 males (nr)
<i>Myotis thysanodes</i> , fringed myotis	2 (1 female (nr), 1 male (nr))
<i>Myotis velifer</i> , cave myotis	2 males (nr)
<i>Myotis volans</i> , long-legged myotis	14 (7 females (4nr, 3p), 7 males (nr))
<i>Myotis mela/cal</i> , indeterminate small-footed myotis	1 unknown
<i>Pipistrellus hesperus</i> , western pipistrelle	16 (3 females (nr), 13 males (nr))
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	29 (3 females (2nr, 1p), 25 males, 1 unknown)
Total species	= 15
Total individuals	= 188

Session II [Session II was cancelled due to lack of enrollment]

Session III

Day 01 3 June 2005

Location #1: Stewart bridge and upstream along Cave Creek. Start Time: 1945, End Time: 2230.

Site #1 Start Temp: 71.6, End Temp: 60.2. Two 18-foot mist nets set in parallel over small still portion of stream in creek with pool size of 15x30 and swoop zone of 15x100 and one 8-foot mist net set about 20 yards downstream in very constricted area over small still pool 9x10 with swoop zone of 9x30

<i>Antrozous pallidus</i> , pallid bat	1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis	2 (1 female (p), 1 male (nr))
<i>Myotis californicus</i> , California myotis	2 (1 male (nr), 1 unknown)
<i>Myotis melanorhinus</i> , dark-nosed small-footed myotis	1 male (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 female (nr)
Total species	= 5
Total individuals	= 7

Site #2: Start Temp: 69F, End Temp: 63F. One Large Austbat harp trap set in amongst vegetation about 250 yards upstream from site #5, in conjunction with 18-foot net from Site #3 below.

Total species	= 0
Total individuals	= 0

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #3: Start Temp: 69F, End Temp: 63F. One 18-foot net set over pool in stream (in conjunction with Harp Trap from Site #2 above) and one 42-foot net and one 8-foot net set end-to-end, blocking entire flyway, just upstream from harp/net combination.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 female (p)
<i>Myotis melanorhinus</i> , dark-nosed small-footed bat		1 male (nr)
<i>Myotis thysanodes</i> , fringed myotis		1 male (nr)
<i>Myotis volans</i> , long-legged myotis		1 female (p)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (nr)
Total species	=	6
Total individuals	=	6

Site #4: Start Temp: 74F, End Temp: 64F. One 18-foot mist net set in an L-formation over pool on upstream end of Stewart bridge, set end-to-end with and 8-foot net over remaining flyway on bank. And one 18-foot mist net set over pool on downstream end of bridge. Pool sizes 10x50 with swoop zone of 20x100.

<i>Eptesicus fuscus</i> , big brown bat		1 unknown
<i>Myotis auriculus</i> , southwestern myotis		1 female (p)
<i>Myotis californicus</i> , California myotis		3 (2 females (nr), 1 male (nr))
<i>Pipistrellus hesperus</i> , western pipistrelle		5 males (nr)
Total species	=	4
Total individuals	=	10

Site #5: Start Time: 1945, End Time: 2230. Start Temp: 71.6, End Temp: 60.2. One large BCM Trap set over water about 50 yards upstream from Site #1.

<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Idionycteris phyllotis</i> , Allen's big-eared bat		1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis		6 (4 females (2nr, 2p), 1 male (nr), 1 unknown)
<i>Myotis californicus</i> , California myotis		3 (2 males (nr), 1 unknown)
<i>Myotis volans</i> , long-legged myotis		3 (1 female (p), 2 males (nr))
Total species	=	5
Total individuals	=	14
Grand total species	=	10
Grand total individuals	=	37

Day 02 04 June 2005: Start Time: 1945, End Time: 2200.

Location: Cave Creek across from and upstream from the USFS Visitor Information Center.

Site #1: Start Temp: 68F, End Temp: 61F. One triple-high (3x) 18-foot mist net set over dry section in creek, completely blocking flyway from ground to canopy under branches.

<i>Antrozous pallidus</i> , pallid bat		2 males (nr)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (p)
<i>Eptesicus fuscus</i> , big brown bat		10 males (nr)
<i>Idionycteris phyllotis</i> , Allen's big-eared bat		1 male (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males (nr)
<i>Lasiurus cinereus</i> , hoary bat		1 male (nr)
<i>Myotis californicus</i> , California myotis		3 (1 female (nr), 2 males (nr))
<i>Pipistrellus hesperus</i> , western pipistrelle		3 males (nr)
Total species	=	8
Total individuals	=	23

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #2: Start Temp: 69F, End Temp: 63F. One 8-foot mist net set over water, upstream from Site #1 (set end-to-end with a large BCM Trap; see Site #3) and set end-to-end with a 42-foot mist net set over dry stream bank, completely blocking flyway.

<i>Eptesicus fuscus</i> , big brown bat			1 male (nr)
<i>Myotis californicus</i> , California myotis			1 male (nr)
	Total species	=	2
	Total individuals	=	2

Site #3: Start Temp: 69F, End Temp: 63F. One large Ausbat set over water, between and under vegetation in conjunction with nets from Site #2.

<i>Myotis auriculus</i> , southwestern myotis			2 females (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle			1 male
	Total species	=	2
	Total individuals	=	3

Site #4: Start Temp: 67F, End Temp: 62F. Three 18-foot mist nets and one 42-foot mist net set in two V-formations (one with 2-18' nets and one V with 1-18' net and 1-42' net) at either ends of a 15x100 pool in stream with a 15x150 swoop zone.

<i>Antrozous pallidus</i> , pallid bat			2 (1 female (nr), 1 male (nr))
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat			7 females (p)
<i>Eptesicus fuscus</i> , big brown bat			7 males (nr)
<i>Lasiurus cinereus</i> , hoary bat			3 males (nr)
<i>Myotis auriculus</i> , southwestern myotis			6 (4 females (p), 2 males (nr))
<i>Myotis californicus</i> , California myotis			1 male (nr)
<i>Myotis melanorhinus</i> , dark-nosed small-footed myotis			1 male (nr)
<i>Myotis thysanodes</i> , fringed myotis			1 female (nr)
<i>Myotis volans</i> , long-legged myotis			7 (4 females (3nr, 1p), 3 males)
<i>Pipistrellus hesperus</i> , western pipistrelle			5 males (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat			2 males (nr)
	Total species	=	11
	Total individuals	=	42

Site #5: One large Ausbat harp trap set at the upstream end of the pool from Site #4 under and between vegetation.

<i>Antrozous pallidus</i> , pallid bat			1 male (nr)
<i>Myotis californicus</i> , California myotis			1 male (nr)
	Total species	=	2
	Total individuals	=	2

Site #6: One 8-foot mist net set over small pool under vegetation and two 18-foot mist nets set downstream at Y in stream (one net over dry bank, and one net over water). Total swoop zone area approximately 15x100 feet along both branches of Y to where Y meets at nets.

<i>Antrozous pallidus</i> , pallid bat	1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat	3 males (nr)
<i>Idionycteris phyllotis</i> , Allen's big-eared bat	1 male (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male (nr)
<i>Lasiurus cinereus</i> , hoary bat	1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis	3 females (p)
<i>Myotis californicus</i> , California myotis	3 males (nr)
<i>Myotis volans</i> , long-legged myotis	2 males (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male (nr)
Total species	= 10
Total individuals	= 17
Grand total species	= 13
Grand total individuals	= 89

Day 03 5 June 2005
Location: Idlewilde campground. Start Time: 1945, End Time: 2200. Start Temp: 72F, End Temp: 68F.

Site #1 Two 30-foot nets each set in V-formations over small pools (15 dia.) in creek, one about 25 yards up stream from bridge at campground entrance, and one about 100 yards downstream from bridge at campground entrance each pool with a swoop zone of about 15x50.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (p)
<i>Lasionycteris noctivagans</i> , silver-haired bat	4 males (nr)
<i>Lasiurus cinereus</i> , hoary bat	2 males (nr)
<i>Myotis auriculus</i> , southwestern myotis	3 (2 females (p), 1 male)
<i>Myotis californicus</i> , California myotis	2 males (nr)
<i>Myotis volans</i> , long-legged myotis	2 (1 male (nr), 1 unknown)
Total species	= 6
Total individuals	= 14

Site #2: One triple-high (3x) 18-foot mist net set just downstream from bridge at entrance to campground over rippled section of stream, completely blocking flyway under overhanging vegetation.

<i>Antrozous pallidus</i> , pallid bat	1 male (nr)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (p)
<i>Eptesicus fuscus</i> , big brown bat	2 (1 male (nr), 1 unknown)
<i>Lasionycteris noctivagans</i> , silver-haired bat	8 males (nr)
<i>Myotis auriculus</i> , southwestern myotis	1 male (nr)
<i>Myotis velifer</i> , cave myotis	1 male (nr)
<i>Myotis volans</i> , long-legged myotis	2 (1 female (nr), 1 male (nr))
Total species	= 7
Total individuals	= 16

Site #3: One large Ausbat harp trap set just up stream from upper V-set nets at Site #1.

Total species	=	0
Total individuals	=	0

Site #4: One 30-foot mist net set over pool in stream just upstream from Site #3 and two 18-foot mist nets set in a V-formation upstream covering a 10x100 pool in stream with a swoop zone of 20x100.

<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat		3 males (nr)
<i>Lasiurus cinereus</i> , hoary bat		3 males (nr)
<i>Myotis auriculus</i> , southwestern myotis		1 female (p)
<i>Myotis californicus</i> , California myotis		3 (1 female (p), 2 males (nr))
<i>Myotis velifer</i> , cave myotis		1 male (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (nr)
Total species	=	7
Total individuals	=	13

Site #5: One 18-foot mist net and one 18-foot mist net set in an L-formation along two parallel pools in the creek just downstream from Site #4.

<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males (nr)
<i>Lasiurus cinereus</i> , hoary bat		1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis		3 (2 females (p), 1 male (nr))
<i>Myotis californicus</i> , California myotis		4 (1 female (nr), 3 males (nr))
<i>Myotis thysanodes</i> , fringed myotis		1 female (nr)
<i>Myotis volans</i> , long-legged myotis		1 male (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		2 (1 female (nr), 1 male (nr))
Total species	=	8
Total individuals	=	15
Grand total species	=	11
Grand total individuals	=	58

Day 04 06 June 2005

Location 2: Rustler Peak, Barfoot Campground. Start Time: 1945, End Time 2200. Start Temp: 60.6F, End Temp: 57F.

Site #1: Small seep on road west of wet meadow. Two 42-foot mist nets and one 18 foot mist net, plus three 42-foot mist nets set in a V-configuration over water and blocking flyway along road and up from western slope.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		9 females (5l, 4p)
<i>Eptesicus fuscus</i> , big brown bat		4 (1 female (nr), 3 males (nr))
<i>Idionycteris phyllotis</i> , Allen's big-eared bat		1 female (p)
<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males (nr)
<i>Myotis auriculus</i> , southwestern myotis		10 (3 females (1l, 2 p), 7 males (nr))
<i>Myotis californicus</i> , California myotis		2 female (p)
<i>Myotis thysanodes</i> , fringed myotis		4 males (nr)
<i>Myotis volans</i> , long-legged myotis		43 (34 females (21l, 7nr, 6p), 8 m (nr), 1 unk)
Total species	=	8
Total individuals	=	75

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Location #2: Southwestern Research Station, creek behind buildings. Start Time: 2000, End Time: 2245. Start Temp: 63F, End Temp: 60F

Site #1: One 8' foot net (set in conjunction with a large BCM trap; see site #2), under big bridge behind buildings over still section of stream and one 42-foot mist net set at railing-height over bridge blocking off entire flyway above and below bridge.

<i>Eptesicus fuscus</i> , big brown bat			1 male (nr)
<i>Idionycteris phyllotis</i> , Allen's big-eared bat			1 male (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat			2 males (nr)
<i>Lasiurus cinereus</i> , hoary bat			1 male (nr)
<i>Myotis californicus</i> , California myotis			1 male (nr)
<i>Myotis volans</i> , long-legged myotis			2 (1 female (nr), 1 male (nr))
	Total species	=	6
	Total individuals	=	8

Site #2: One large BCM trap (set in conjunction with 8-foot net from Site #1; see above) under big bridge behind buildings over still section of stream.

<i>Lasionycteris noctivagans</i> , silver-haired bat			1 male (nr)
<i>Lasiurus blossevillii</i> , western red bat			1 male (nr)
<i>Myotis thysanodes</i> , fringed myotis			1 male (nr)
	Total species	=	3
	Total individuals	=	3

Location #3: SWRS Pool. Start Time 2000, End Time, 2300. Start Temp: 66F, End Temp: 56F.

Site #1 One triple-high (3x) 18-foot mist net set along road side end of pool, two 42-foot mist nets along long edges of pool, and one 30-foot mist net on pivot pole over shallow end of pool forming a box set around pool.

<i>Lasiurus cinereus</i> , hoary bat			1 male (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle			3 males (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat			12 (2 females (p), 10 males (nr))
	Total species	=	3
	Total individuals	=	16

Summary of Capture Results — Session III: 13 thru 18 June 2004

Five 8-foot nets, fifteen 18-foot nets, five 30-foot nets, eleven 42-foot nets, three triple-high 18-foot net sets, and
6 large harp traps.

(107.25 Total net/trap-hours)

<i>Antrozous pallidus</i> , pallid bat	9 (1 female (nr), 8 males (nr))
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	10 females (p)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	10 females (5p, 5l)
<i>Eptesicus fuscus</i> , big brown bat	31 (1 female (nr), 28 males (nr), 2 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	5 (1 female (p), 4 males (nr))
<i>Lasionycteris noctivagans</i> , silver-haired bat	25 males (nr)
<i>Lasiurus blossevillii</i> , western red bat	1 male (nr)
<i>Lasiurus cinereus</i> , hoary bat	13 males (nr)
<i>Myotis auriculus</i> , southwestern myotis	38 (23 females (4nr, 18p, 1l), 13 males (nr), 2 unknown)
<i>Myotis californicus</i> , California myotis	29 (7 females (4nr, 3p), 19 males (nr), 3 unknown)
<i>Myotis melanorhinus</i> , dark-nosed small-footed myotis	3 males (nr)
<i>Myotis thysanodes</i> , fringed myotis	8 (2 females (nr), 6 males (nr))
<i>Myotis velifer</i> , cave myotis	2 males (nr)
<i>Myotis volans</i> , long-legged myotis	63 (42 females (12nr, 9p, 21l), 19 males (nr), 2 unk)
<i>Pipistrellus hesperus</i> , western pipistrelle	24 (2 females (nr), 22 males (nr))
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	15 (2 females (p), 13 males)
Total species	= 16
Total individuals	= 286

Summary of Capture Results — Session I thru III: 24 May thru 6 June 2005

Seven 8-foot mist nets, Twenty-seven 18-foot mist nets, Ten 30-foot mist nets, Fifteen 42-foot mist nets,
One triple-high 30-foot net stack, Five triple-high 18-foot net stacks, and Eleven harp traps

(214.75 Total net/trap-hrs)

<i>Antrozous pallidus</i> , pallid bat	16 (1 female (nr), 15 males (nr))
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	13 females (p)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	12 females (5l, 7p)
<i>Eptesicus fuscus</i> , big brown bat	60 (3 females (nr), 55 males (nr), 2 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	6 (1 female (p), 5 males (nr))
<i>Lasionycteris noctivagans</i> , silver-haired bat	43 (1 female (nr), 42 males (nr))
<i>Lasiurus blossevillii</i> , western red bat	1 male (nr)
<i>Lasiurus cinereus</i> , hoary bat	19 males (nr)
<i>Myotis auriculus</i> , southwestern myotis	54 (33 females (11, 14nr, 18p), 18 males (nr), 3 unk)
<i>Myotis californicus</i> , California myotis	44 (11 (6nr, 5p), 30 males (nr), 3 unknown)
<i>Myotis melanorhinus</i> , dark-nosed small-footed myotis	5 males (nr)
<i>Myotis mela-cal</i> , cryptic small-footed myotis	1 unknown
<i>Myotis thysanodes</i> , fringed myotis	9 (3 females (nr), 6 males (nr))
<i>Myotis velifer</i> , cave myotis	4 males (nr)
<i>Myotis volans</i> , long-legged myotis	73 (47 females (21l, 16nr, 10p), 25 males (nr), 1 unk)
<i>Pipistrellus hesperus</i> , western pipistrelle	33 (4 females (nr), 29 males (nr))
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	44 (5 females (2nr, 3p), 38 males, 1 unknown)
Total species	= 16
Total individuals	= 438

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Notable captures and other observations:

Tadarida brasiliensis were in Statue Cave from 02 June thru 07 June (at least) w/nightly emergences lasting from 7 to 12 minutes.

The “water for wildlife” tank at Silver Creek appears to have a clogged intake hose and was not filling quick enough to offset evaporation. The level was approximately 5-inches below the rim and could become a serious trap to bats if the hose is not repaired. The spring seems to be in good shape and adequate water is available for feeding the tank. The tank was not netted or monitored for bat activity this year.

This year we caught adult, reproductively active female *Idionycteris phyllotis* (first caught in 2004). One pregnant female was mist netted at the wet meadow near Barfoot Campground on Rustler Peak (elevation approximately 8200ft.).

This is the first year we didn't catch any male *Corynorhinus townsendii*. Where are the males?

Large colonies (+/- 35 bats) of *Corynorhinus townsendii* were observed clustered in Upper Chiricahua Crystal Cave on two separate occasions during the survey period. It is presumed that these are reproductively active females due to their clustering behavior. On the first occasion the bats were located near the back of the cave in a domed area. On the second occasion the bats were just inside the entrance in a little alcove at about eye level. Have the bats abandoned their preferred roost in the gated Chiricahua Crystal Cave? If so, why? They will be highly vulnerable at this location due to the increased visitation during the maternity season.

The “wildlife tank” called Willow Tank off State Line Road is not being filled with water and was bone dry for the second year in a row. This represents a significant loss of open water for some of the higher, faster flying bats such as *Tadarida brasiliensis*, *Nyctinomops femorosaccus*, and *Nyctinomops macrotis*. Re-establishment of a permanent water source at this site will serve not only these, but also other bat and animal species that depend upon large expanses of water. As more and more development occurs in this area and more rangeland is sold off for housing, remaining tanks these bats rely upon will no longer be available and the bigger species may be extirpated from the area.

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