

2004 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: 04 June 2004

Location #1: Idlewilde Campground; various creek locations upstream to Stewart. Start Time: 1930
 End Time: 2245 (Start Temp: 75F, End Temp: 66F)

Site #1: One large harp trap set over creek across from back end of campground.

<i>Antrozous pallidus</i> , pallid bat		2 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 female (p)
<i>Myotis auriculus</i> , southwestern myotis		1 female (p)
<i>Myotis californicus</i> , California myotis		6 (1 female (nr), 4 males, 1 unknown)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male
	Total species	= 5
	Total individuals	= 11

Site #2: One 18-foot net over 5" wide pool upstream from Site #1 w/swoop zone of approx. 8 ft.

<i>Eptesicus fuscus</i> , big brown bat		6 (2 females (p), 4 males)
<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		2 males
<i>Myotis auriculus</i> , southwestern myotis		2 (1 female (p), 1 male)
<i>Myotis californicus</i> , California myotis		1 male
<i>Myotis velifer</i> , cave myotis		1 male
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		1 female (p)
	Total species	= 7
	Total individuals	= 14

Site #3: One large Ausbat harp trap set over water at small bend in creek, under overhanging vegetation and between encroaching willows upstream from Site #2

<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Myotis auriculus</i> , southwestern myotis		1 female (p)
<i>Myotis californicus</i> , California myotis		2 males
	Total species	= 3
	Total individuals	= 4

Site #4: One 18-foot mist net set against downstream end of Stewart Bridge over pool in creek and between encroaching willows (upstream from site #3).

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		2 males
<i>Myotis auriculus</i> , southwestern myotis		1 female (nr)
<i>Myotis californicus</i> , California myotis		1 male
<i>Myotis volans</i> , long-legged myotis		1 male
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male
	Total species	= 7
	Total individuals	= 8
	Grand Total Species	= 11
	Grand Total Individuals	= 37

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

Day 02: 05 June 2004
 Location #1: Lower Cave Creek Canyon across from USFS Visitor Information Center. Start Time: 2000, End Time: 2330. Start Temp: 76F, End Temp: 66F.
 Site #1: One large Ausbat harp trap set over dry stream bed under sycamore and cypress trees and between encroaching willows.

<i>Antrozous pallidus</i> , pallid bat	8 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 female (l)
<i>Eptesicus fuscus</i> , big brown bat	4 males
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis auriculus</i> , southwestern myotis	3 (2 females (1p, 1nr), 1 male)
<i>Myotis californicus</i> , California myotis	18 (1 female (p), 17 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	4 males
<i>Myotis volans</i> , long-legged myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species	= 10
Total individuals	= 45

Site #2: One 30 foot mist net set over dry creek bed under large over-hanging sycamore limb.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	2 females (p)
<i>Eptesicus fuscus</i> , big brown bat	3 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	2 males
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis californicus</i> , California myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species	= 7
Total individuals	= 13

Site #3: One 18-foot mist net set over 10x40 foot pool in stream between willow/locust vegetation.

<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species	= 4
Total individuals	= 6

Site #4: One 18-foot mist net set upstream 15 yards from site #3.

<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis californicus</i> , California myotis	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species	= 3
Total individuals	= 4

Site #5: 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 #4.

<i>Antrozous pallidus</i> , pallid bat	2 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	2 females (p)
<i>Eptesicus fuscus</i> , big brown bat	7 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	4 (3 females (1l, 2nr), 1 male)
<i>Myotis californicus</i> , California myotis	19 (3 females (1l, 2nr), 16 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	3 males
<i>Myotis thysanodes</i> , fringed myotis	4 (1 female (l), 3 males)
<i>Myotis volans</i> , long-legged myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	4 males
Total Species	= 11
Total Individuals	= 49
Grand Total Species	= 13
Grand Total Individuals	= 117

Day 03: 06 June 2004

Location #1: South Fork of Cave Creek at water over road site. Start Time: 1945 End Time: 2300.
Start Temp: 76F, End Temp: 74F.

Site #1: One 30-foot mist net set under Arizona cypress just upstream from water over road over dry section of creek.

<i>Antrozous pallidus</i> , pallid bat	7 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	2 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	3 (2 females (1p, 1l), 1 male)
<i>Myotis californicus</i> , California myotis	4 (1 female (nr), 3 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total Species	= 9
Total Individuals	= 22

Site #2: One large Ausbat harp trap set over water in creek under vegetation just downstream from water over the road.

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	4 (2 females (p), 1 male, 1 unknown)
<i>Myotis californicus</i> , California myotis	20 (4 females (3l, 1p), 16 males)
<i>Myotis volans</i> , long-legged myotis	3 (1 female (nr), 2 males)
Total Species	= 4
Total Individuals	= 28

Site #3: Two 18-foot mist nets set in a parallel-formation set over 10x30 foot pool in stream.

<i>Antrozous pallidus</i> , pallid bat		2 (1 female (p), 1 male)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 male
<i>Eptesicus fuscus</i> , big brown bat		4 males
<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males
<i>Lasiurus cinereus</i> , hoary bat		8 males
<i>Myotis auriculus</i> , southwestern myotis		1 female (p)
<i>Myotis californicus</i> , California myotis		1 male
<i>Pipistrellus hesperus</i> , western pipistrelle		4 males
Total Species	=	8
Total Individuals	=	23

Site #4: One large Austbat harp trap set about 100-yards downstream from Site #3.

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Myotis californicus</i> , California myotis		7 males
<i>Myotis ciliolabrum</i> , western small-footed myotis		3 males
<i>Myotis volans</i> , long-legged myotis		3 males
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male
Total Species	=	5
Total Individuals	=	15
Grand Total Species	=	11
Grand Total Individuals	=	88

Day 04: 07 June 2004. Start Time: 2000 End Time: 2300 (creek nets open until 2400)

Location #1: SWRS Pool

Site #1: One 42-foot mist net set along shallow end of pool in grass along flyway set parallel to a 30-foot mist net about 10-feet apart and one 42-foot mist net set high along road.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (p)
<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		7 (3 females (p), 4 males)
Total species	=	3
Total individuals	=	9

Site #2: One 30-foot mist net set in an L-configuration over pool in stream behind rooms.

<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		8 males
Total species	=	1
Total individuals	=	9

Site #3: One 18-foot mist net set over small pool in stream behind director's house.

<i>Idionycteris phyllotis</i> , Allen's big-eared bat		2 males
<i>Lasiurus blossevillii</i> , western red bat		1 female (p)
<i>Lasiurus cinereus</i> , hoary bat		4 males
<i>Myotis thysanodes</i> , fringed myotis		1 male
<i>Myotis volans</i> , long-legged myotis		2 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		2 males
Total species	=	2
Total individuals	=	12
Grand Total Species	=	8
Grant 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: 03 thru 08 June 2004

Seven 18-foot mist nets, Four 30-foot mist nets, Two 42-foot mist nets, and Six harp traps
(Total net/hrs = 65)

<i>Antrozous pallidus</i> , pallid bat	24 (1 female (p), 1 male)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	5 females (p)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	5 (2 females (p), 3 males)
<i>Eptesicus fuscus</i> , big brown bat	29 (2 females (p), 27 males)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	5 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	9 males
<i>Lasiurus blossevillii</i> , western red bat	1 female (p)
<i>Lasiurus cinereus</i> , hoary bat	33 males
<i>Myotis auriculus</i> , southwestern myotis	21 (14 females (6p, 2l, 4nr), 5 males, 1 unknown)
<i>Myotis californicus</i> , California myotis	81 (11 females (2p, 4l, 5nr), 69 males, 1 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis	10 males
<i>Myotis thysanodes</i> , fringed myotis	5 (1 female (l), 4 males)
<i>Myotis velifer</i> , cave myotis	1 male
<i>Myotis volans</i> , long-legged myotis	13 (1 female (l), 12 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	19 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	10 (4 females (p), 6 males)
Total species	= 16
Total individuals	= 271

Session II

Day 01: 09 June 2004. Start Time: 1930 End Time: 2200 Start Temp: 71.5F End Temp 65F.

Location #1: Upstream from Stewart Bridge in Cave Creek

Site #1: One 18-foot mist net set against downstream, west end of bridge.

<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	3 (2 females (p), 1 male)
<i>Myotis californicus</i> , California myotis	1 male
<i>Myotis velifer</i> , cave myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	7 males
Total species	= 5
Total individuals	= 13

Site #2: One 8-foot net set under vegetation and over 8x12' pool in creek upstream from Site #1

<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis californicus</i> , California myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species	= 3
Total individuals	= 4

Site #3: One large Ausbat harp trap set between willows, under sycamore upstream from Site #2.

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	1 male
<i>Myotis californicus</i> , California myotis	2 males
<i>Myotis volans</i> , long-legged myotis	1 male
Total species	= 4
Total individuals	= 5

Site #4: One large Ausbat under and between vegetation about 50 yards upstream from Site #3.

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Lasiurus blossevillei</i> , desert red bat		1 male
<i>Myotis auriculus</i> , southwestern myotis		3 (1 female (nr), 1 male, 1 unknown)
<i>Myotis californicus</i> , California myotis		10 (1 female (nr), 7 males, 2 unknown)
<i>Myotis thysanodes</i> , fringed myotis		1 male
<i>Myotis volans</i> , long-legged myotis		3 (1 female (nr), 1 male, 1 unknown)
<i>Pipistrellus hesperus</i> , western pipistrelle		2 males
Total species	=	8
Total individuals	=	22

Site #5: One 18-foot net and one 8-foot net 100' upstream from Site #4 over small pools.

<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		1 female (nr)
<i>Myotis auriculus</i> , southwestern myotis		2 males
<i>Myotis californicus</i> , California myotis		3 (1 female (nr), 2 males)
<i>Myotis thysanodes</i> , fringed myotis		1 female (nr)
<i>Myotis volans</i> , long-legged myotis		2 males
<i>Pipistrellus hesperus</i> , western pipistrelle		4 males
Total species	=	7
Total individuals	=	14
Grand Total Species	=	10
Grand Total Individuals	=	58

Day 02: 10 June 2004: Start Time: 1930 End Time: 2230. Start Temp: 69F End Temp: 59F

Location #1: Idlewilde campground, upstream and down stream from last campsite.

Site #1: One large Ausbat harp trap set near bridge at entrance to campground.

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Eptesicus fuscus</i> , big brown bat		2 males
<i>Myotis auriculus</i> , southwestern myotis		9 (8 females (7 nr, 1), 1 unknown)
<i>Myotis californicus</i> , California myotis		7 (3 females (nr), 3 males, 1 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis		2 (1 female (nr), 1 male)
<i>Myotis volans</i> , long-legged myotis		4 (2 females (1, 1nr), 2 males)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male
Total species	=	7
Total individuals	=	26

Site #2: Two 18-foot nets set parallel over pool about 20-feet apart, upstream from Site #1.

<i>Antrozous pallidus</i> , pallid bat		2 males
<i>Eptesicus fuscus</i> , big brown bat		2 (1 male, 1 unknown)
<i>Lasiurus cinereus</i> , hoary bat		2 males
<i>Myotis auriculus</i> , southwestern myotis		2 (1 female (nr), 1 male)
<i>Myotis californicus</i> , California myotis		4 (1 female (nr), 2 males, 1 unknown)
<i>Myotis thysanodes</i> , fringed myotis		1 male
<i>Myotis velifer</i> , cave myotis		1 female (nr)
<i>Myotis volans</i> , long-legged myotis		4 females (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		3 males
Total species	=	9
Total individuals	=	21

Site #3: One large Austbat harp trap set upstream from Site #2 near back end of campground set between encroaching vegetation and under overhanging sycamore branch.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 male
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 female (l)
<i>Eptesicus fuscus</i> , big brown bat	5 males
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis auriculus</i> , southwestern myotis	1 female (p)
<i>Myotis californicus</i> , California myotis	1 male
<i>Myotis cili/cal</i> , cryptic California/small footed myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	1 female (nr)
<i>Myotis volans</i> , long-legged myotis	3 females (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male
Total species	= 11
Total individuals	= 18

Site #4: Two 18-foot mist nets set parallel to each other at a 40x12 foot still pool in the stream bordered and overhung by vegetation, upstream about 30 yards from Site #3.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	5 males
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	4 (3 females (p), 1 unknown)
<i>Myotis californicus</i> , California myotis	3 males
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis volans</i> , long-legged myotis	8 (6 females (2p, 4nr), 2 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species	= 9
Total individuals	= 25
Grand Total Species	= 13
Grand Total Individuals	= 89

Day 03: 11 June 2004: Start Time: 1930 End Time: 2200 Start Temp: 19C End Temp 17C.

Location #1 Silver Creek.

Site #1 One large Austbat harp trap set upstream from the parking lot over dry section of creek.

<i>Myotis auriculus</i> , southwestern myotis	2 (1 female (p), 1 male)
<i>Myotis californicus</i> , California myotis	10 (3 females (2p, 1nr), 7 males)
<i>Myotis volans</i> , long-legged myotis	4 (1 female (nr), 3 males)
Total species	= 3
Total individuals	= 16

Site #2: One 8-foot net and one 18-foot net set in an L-formation upstream from Site #1 where creek splits, covering both branches of the (dry) creek.

Total species	= 0
Total individuals	= 0

Site #3: One 18-foot net under vegetation, over dry section of stream, downstream from Site #1.

Total species	= 0
Total individuals	= 0

Site #4: Two 18-foot mist nets set in a narrow V-formation over water for wildlife tank on bank.

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 male
<i>Eptesicus fuscus</i> , big brown bat		2 males
<i>Idionycteris phyllotis</i> , Allen's big-eared bat		1 male
<i>Myotis auriculus</i> , southwestern myotis		2 (1 female (p), 1 male)
<i>Myotis californicus</i> , California myotis		5 (4 females (nr), 1 male)
<i>Myotis ciliolabrum</i> , western small-footed myotis		2 males
<i>Myotis thysanodes</i> , fringed myotis		6 (4 females (1p, 3nr), 2 males)
<i>Myotis volans</i> , long-legged myotis		2 (1 female (p), 1 male)
<i>Pipistrellus hesperus</i> , western pipistrelle		5 (2 females(nr), 3 males)
Total species	=	10
Total individuals	=	27

Site #5: One large Austbat 150-yards downstream from tank w/an 8-foot net to block creek bed.

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 female (nr)
<i>Leptonycteris yerbabuena</i> , lesser long-nosed bat		1 male
<i>Myotis auriculus</i> , southwestern myotis		1 male
<i>Myotis californicus</i> , California myotis		8 (6 females (nr), 2 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis		2 (1 female (nr), 1 male)
<i>Myotis thysanodes</i> , fringed myotis		2 males
<i>Myotis volans</i> , long-legged myotis		3 (2 males, 1 male (net))
<i>Pipistrellus hesperus</i> , western pipistrelle		2 (1 male, 1 male (net))
Total species	=	9
Total individuals	=	21
Grand Total Species	=	11
Grand Total Individuals	=	64

Day 04: 12 June 2004. Start Time: 1945 End Time: 2200 Start Temp: 72F End Temp: 62F

Location #1: Rustler Park: Barfoot wet meadow area. (Elevation 8200 feet.)

Site #1: Two 42-foot nets, one 18-foot net, w/a 42-foot net in a V around a small (3x12') pool.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		6 females (p)
<i>Idionycteris phyllotis</i> , Allen's big-eared bat		2 females (p), 1 male, 1 unknown
<i>Myotis auriculus</i> , southwestern myotis		12 (5 females (p), 7 males)
<i>Myotis thysanodes</i> , fringed myotis		6 males
<i>Myotis volans</i> , long-legged myotis		28 (25 females (4p, 14l, 7nr), 3 males)
Total species	=	5
Total individuals	=	56

Location #2: SWRS Pool. Start Time: 1930, End Time: 2230. Start Temp: 63F, End Temp: 53F.

Site #1: One 18-foot net, two 42-foot nets, one 30-foot net on pivot pole to complete a box-set.

<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Myotis auriculus</i> , southwestern myotis		1 female (p)
<i>Myotis volans</i> , long-legged myotis		1 female (l)
<i>Nyctinomops macrotis</i> , big free-tailed bat		2 (1 female (p), 1 male)
<i>Pipistrellus hesperus</i> , western pipistrelle		2 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		29 (11 females (6p, 5nr), 18 males)
Total species	=	6
Total individuals	=	36

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 II: 08 thru 13 June 2004

Four 8-foot mist nets, Twelve 18-foot mist nets, One 30-foot mist net, Five 42-foot mist nets, and Six harp traps
(Total net-trap/hrs = 74)

<i>Antrozous pallidus</i> , pallid bat	7 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 male
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	10 (8 females (7l, 1nr), 2 males)
<i>Eptesicus fuscus</i> , big brown bat	19 (18 males, 1 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	5 (2 females (p), 2 males, 1 unknown)
<i>Lasiurus blossevillii</i> , western red bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	9 (1 female (nr), 8 males)
<i>Leptonycteris yerbabuenae</i> , lesser long-nosed bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	43 (24 females (14p, 11, 9nr), 16 males, 3 unknown)
<i>Myotis californicus</i> , California myotis	55 (19 females (2p, 17nr), 32 males, 4 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis	7 (2 females (nr), 5 males)
<i>Myotis cili/cal</i> , cryptic California/small footed myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	18 (6 females (1p, 5nr), 12 males)
<i>Myotis velifer</i> , cave myotis	2 (1 female (nr), 1 male)
<i>Myotis volans</i> , long-legged myotis	63 (44 females (7p, 16l, 21nr), 18 males, 1 unknown)
<i>Nyctinomops macrotis</i> , big free-tailed bat	2 (1 female (p), 1 male)
<i>Pipistrellus hesperus</i> , western pipistrelle	30 (2 females (nr), 27 males, 1 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	30 (11 females (6p, 5nr), 19 males)
Total species	= 17
Total individuals	= 304

Session III

Day 01 14 June 2004 — Start Time: 1945, End Time: 2245. Start Temp: 74, End: 63F.

Location: South Fork of Cave Creek Canyon.

Site #1 Up from water on road, one 30-foot net set under cypress branches over dry creek.

<i>Antrozous pallidus</i> , pallid bat	2 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	8 (5 females (2nr, 3l), 3 males)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	2 (1 female (nr), 1 male)
<i>Myotis californicus</i> , California myotis	1 male
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species	= 7
Total individuals	= 16

Site #2: Downstream from water over road, one large Ausbat harp trap set under overhanging and encroaching vegetation over small running section of stream.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (l)
<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis californicus</i> , California myotis	11 (2 females (nr), 9 males)
<i>Myotis volans</i> , long-legged myotis	2 (1 female (nr), 1 male)
Total species	= 6
Total individuals	= 19

Site #3: One large Ausbat harp trap set under vegetation

<i>Myotis californicus</i> , California myotis		2 unknown
<i>Myotis ciliolabrum</i> , western small-footed myotis		1 unknown
Total species	=	2
Total individuals	=	3

Site #4: One 18-foot mist net set over pool in stream.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (p)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 female (l)
<i>Eptesicus fuscus</i> , big brown bat		2 males
<i>Lasiurus cinereus</i> , hoary bat		3 (1 male, 2 unknown)
<i>Myotis californicus</i> , California myotis		10 unknown
<i>Myotis ciliolabrum</i> , western small-footed myotis		9 unknown
<i>Myotis volans</i> , long-legged myotis		3 unknown
<i>Pipistrellus hesperus</i> , western pipistrelle		7 males
Total species	=	8
Total individuals	=	36

Site #5: One 8-foot mist net and one 18-foot mist net set in a V-formation over a pair of pools, 8-foot wide, one 10-foot long and one 3-foot long.

<i>Antrozous pallidus</i> , pallid bat		2 males
<i>Eptesicus fuscus</i> , big brown bat		3 males
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat		1 male
<i>Lasiurus blossevillii</i> , western red bat		1 female (p)
<i>Lasiurus cinereus</i> , hoary bat		3 (2 males, 1 unknown)
<i>Myotis auriculus</i> , southwestern myotis		1 female (p)
<i>Myotis californicus</i> , California myotis		1 male
<i>Myotis ciliolabrum</i> , western small-footed myotis		2 males
<i>Myotis cili/cal</i> , cryptic California/small footed myotis		1 unknown
<i>Myotis volans</i> , long-legged myotis		1 female (p)
<i>Pipistrellus hesperus</i> , western pipistrelle		2 males
Total species	=	10
Total individuals	=	18

Site #6: One 18-foot mist net set over water at a bend in the creek just upstream from a 10x6 pool.

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 male
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat		1 male
Total species	=	3
Total individuals	=	3
Grand total species	=	12
Grand total individuals	=	88

Day 02 15 June 2004: Start Time: 1945, End Time: 2245. Start Temp: 74F, End Temp: 62F
 Location: Cave creek between Stewart Bridge and Vista Point.
 Site #1: One 8-foot mist net set over 3x8' pool.

<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Myotis auriculus</i> , southwestern myotis		1 female (p)
<i>Myotis ciliolabrum</i> , western small-footed myotis		1 unknown
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male
	Total species	= 4
	Total individuals	= 4

Site #2: One 18-foot mist net set over water, upstream from Site #1.

<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Myotis auriculus</i> , southwestern myotis		2 males
<i>Myotis ciliolabrum</i> , western small-footed myotis		2 males
<i>Myotis volans</i> , long-legged myotis		2 (1 female (nr), 1 male)
<i>Pipistrellus hesperus</i> , western pipistrelle		2 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		1 female (nr)
	Total species	= 6
	Total individuals	= 10

Site #3: One large Ausbat set over water, between and under vegetation upstream from Site #2.

<i>Myotis auriculus</i> , southwestern myotis		4 (2 females (p), 2 males)
<i>Myotis californicus</i> , California myotis		7 (2 females (nr), 5 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis		5 (1 female (nr), 4 males)
<i>Myotis volans</i> , long-legged myotis		4 (1 female (p), 3 males)
<i>Pipistrellus hesperus</i> , western pipistrelle		2 males
	Total species	= 5
	Total individuals	= 22

Site #4: One 18-foot net set over 15x30' pool in stream between high banks open above and one 18-foot net and an 8-foot net set amid vegetation in a parallel set 30 meters upstream.

<i>Antrozous pallidus</i> , pallid bat		3 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		3 (1 female (l), 2 males)
<i>Eptesicus fuscus</i> , big brown bat		2 males
<i>Idionycteris phyllostis</i> , Allen's lappet-browed bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		7 (6 males, 1 unknown)
<i>Myotis auriculus</i> , southwestern myotis		4 (1 female (pl), 2 males, 1 unknown)
<i>Myotis californicus</i> , California myotis		4 (1 female (p), 3 males)
<i>Myotis thysanodes</i> , fringed myotis		1 male
<i>Myotis velifer</i> , cave myotis		1 male
<i>Myotis volans</i> , long-legged myotis		2 males
<i>Pipistrellus hesperus</i> , western pipistrelle		3 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		2 females (p)
	Total species	= 12
	Total individuals	= 33

Site #5: One large Ausbat harp trap set upstream from Site #4 under and between vegetation.

<i>Eptesicus fuscus</i> , big brown bat			2 males
<i>Myotis auriculus</i> , southwestern myotis			3 females (2p, 1nr)
<i>Myotis californicus</i> , California myotis			21 (2 females (p), 18 males, 1 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis			2 males
<i>Myotis thysanodes</i> , fringed myotis			3 (1 female (p), 2 males)
<i>Myotis volans</i> , long-legged myotis			5 (3 female (1l, 2nr), 2 males)
<i>Pipistrellus hesperus</i> , western pipistrelle			1 unknown
	Total species	=	7
	Total individuals	=	37

Site #6: One 30-foot net and one 8-foot net set in a V over 8x10' pool with a 20x120' swoop zone.

<i>Antrozous pallidus</i> , pallid bat			1 male
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat			1 female (p)
<i>Myotis auriculus</i> , southwestern myotis			1 female (nr)
<i>Myotis californicus</i> , California myotis			1 male
<i>Myotis ciliolabrum</i> , western small-footed myotis			4 males
<i>Myotis thysanodes</i> , fringed myotis			2 males
<i>Myotis volans</i> , long-legged myotis			1 male
<i>Pipistrellus hesperus</i> , western pipistrelle			1 male
	Total species	=	8
	Total individuals	=	12
	Grand total species	=	13
	Grand total individuals	=	116

Day 03 16 June 2004: Start Time: 1945, End Time: 2300. Start Temp: 75F, End Temp: 59F.

Location: Idlewilde campground.

Site #1 Two 18-foot nets set parallel over pool and one 18-foot net over pool 20m apart.

<i>Antrozous pallidus</i> , pallid bat			2 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat			1 female (l)
<i>Eptesicus fuscus</i> , big brown bat			5 males
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat			1 male
<i>Lasiurus cinereus</i> , hoary bat			2 (1 male, 1 unknown)
<i>Myotis auriculus</i> , southwestern myotis			2 (1 female (p), 1 male)
<i>Myotis californicus</i> , California myotis			4 (2 females (nr), 2 males)
<i>Myotis thysanodes</i> , fringed myotis			1 male
<i>Myotis velifer</i> , cave myotis			1 male
<i>Myotis volans</i> , long-legged myotis			5 (2 females (1p, 1l), 3 males)
<i>Pipistrellus hesperus</i> , western pipistrelle			9 males
	Total species	=	11
	Total individuals	=	33

Site #2: Two 18-foot nets set in a V over pool in stream right at the back end of the campground.

<i>Eptesicus fuscus</i> , big brown bat			2 males
<i>Lasiurus cinereus</i> , hoary bat			2 males
<i>Myotis auriculus</i> , southwestern myotis			2 (1 female (l), 1 male)
<i>Myotis californicus</i> , California myotis			1 male
<i>Pipistrellus hesperus</i> , western pipistrelle			3 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat			4 (3 females (1p, 2nr), 1 male)
	Total species	=	6
	Total individuals	=	14

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: One large Ausbat harp trap set just down stream from Site #2.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (l)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	2 females (l)
<i>Eptesicus fuscus</i> , big brown bat	7 males
<i>Lasiurus cinereus</i> , hoary bat	4 (3 males, 1 unknown)
<i>Myotis auriculus</i> , southwestern myotis	5 (4 females (3p, 1nr), 1 male)
<i>Myotis californicus</i> , California myotis	12 (1 female (p), 9 males, 2 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	3 (1 female (nr), 2 males)
<i>Myotis velifer</i> , cave myotis	2 males
<i>Myotis volans</i> , long-legged myotis	2 females (1l, 1nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	2 (1 female (p), 1 male)
Total species	= 12
Total individuals	= 42

Site #4: One large Ausbat harp trap set amid confusing vegetation downstream from Site #3.

<i>Myotis californicus</i> , California myotis	8 (7 males, 1 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species	= 4
Total individuals	= 12

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>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species	= 1
Total individuals	= 1
Grand total species	= 12
Grand total individuals	= 55

Day 04 17 June 2004

Site #4: One large Ausbat harp trap set amid confusing vegetation downstream from Site #3.

<i>Myotis californicus</i> , California myotis	8 (7 males, 1 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species	= 4
Total individuals	= 12

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>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species	= 1
Total individuals	= 1

Day 04 17 June 2004 — Start Time 1950, End Time 2300. Start Temp 60F, End Temp 55F.
 Site #1 SWRS Pool. Three 42-foot nets and one 18-foot net set in a box set around the pool.

<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Nyctinomops macrotis</i> , big free-tailed bat		1 female (p)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 unknown
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		80 (45 females (38p, 32nr, 3 unknown), 32 males)
	Total species	= 5
	Total individuals	= 84

Location 2: Start Time: 1945, End Time 2300. Start Temp: 59F, End Temp: 54F.

Site #1: Rustler Peak, Barfoot camp, small seep on road west of wet meadow. Two 42-foot mist nets and one 18 foot mist net, plus one 42-foot mist net and one 30-foot mist net 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		3 females (l)
<i>Eptesicus fuscus</i> , big brown bat		5 males
<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Myotis auriculus</i> , southwestern myotis		28 (14 females (3p, 7l, 4nr), 14 males)
<i>Myotis californicus</i> , California myotis		1 female (l)
<i>Myotis thysanodes</i> , fringed myotis		9 (1 female (nr), 8 males)
<i>Myotis velifer</i> , cave myotis		1 females (l)
<i>Myotis volans</i> , long-legged myotis		28 (21 females (17l, 4 nr), 7 males)
	Total species	= 8
	Total individuals	= 76

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

Four 8-foot mist nets, Fifteen 18-foot mist nets, Three 30-foot mist nets, Six 42-foot mist nets, Six harp traps
 (106.5 Total net/hrs)

<i>Antrozous pallidus</i> , pallid bat		12 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		3 females (1p, 2l)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		20 (13 females (1p, 10l, 2nr), 6 males, 1 unknown)
<i>Eptesicus fuscus</i> , big brown bat		30 males
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat		5 males
<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male
<i>Lasiurus blossevillii</i> , western red bat		1 female (p)
<i>Lasiurus cinereus</i> , hoary bat		27 (21 males, 6 unknown)
<i>Myotis auriculus</i> , southwestern myotis		55 (30 females (13p, 9l, 8nr), 24 males, 1 unknown)
<i>Myotis californicus</i> , California myotis		84 (11 females (4p, 1l, 6nr), 57 males, 16 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis		28 (1 female (nr), 17 males, 10 unknown)
<i>Myotis cili/cal</i> , cryptic California/small footed myotis		1 unknown
<i>Myotis thysanodes</i> , fringed myotis		18 (3 females (1p, 2nr), 15 males)
<i>Myotis velifer</i> , cave myotis		5 (1 female (l), 4 males)
<i>Myotis volans</i> , long-legged myotis		56 (32 females (3p, 20l, 9nr), 21 males, 3 unknown)
<i>Nyctinomops macrotis</i> , big free-tailed bat		1 female (p)
<i>Pipistrellus hesperus</i> , western pipistrelle		30 (1 female (nr), 28 males, 1 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		115 (78 females (43p, 35nr), 34 males, 3 unknown)
	Total species	= 17
	Total individuals	= 492

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 thru III: 03 thru 18 June 2004
 Eight 8-foot mist nets, Thirty-four 18-foot mist nets, Eight 30-foot mist nets, Thirteen 42-foot mist nets,
 Eighteen harp traps
 (241 Total net/hrs)

<i>Antrozous pallidus</i> , pallid bat	43 (1 female (p), 42 males)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	9 (8 females (6p, 2l), 1 male)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	35 (24 females (8p, 13l, 3nr), 11 males)
<i>Eptesicus fuscus</i> , big brown bat	79 (2 females (p), 76 males, 1 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	15 (2 females (p), 12 males, 1 unknown)
<i>Lasionycteris noctivagans</i> , silver-haired bat	10 males
<i>Lasiurus blossevillii</i> , western red bat	3 (2 females (p), 1 male)
<i>Lasiurus cinereus</i> , hoary bat	69 (63 males, 6 unknown)
<i>Leptonycteris yerbabuena</i> , lesser long-nosed bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	119 (58 females (35p, 12l, 21 nr), 46 males, 5 unk.)
<i>Myotis californicus</i> , California myotis	220 (41 females (8p, 5l, 28nr), 158 males, 21 unk.)
<i>Myotis ciliolabrum</i> , western small-footed myotis	45 (3 females (nr), 32 males, 10 unknown)
<i>Myotis cili-cal</i> , cryptic California/small-footed myotis	2 (1male, 1 unknown)
<i>Myotis thysanodes</i> , fringed myotis	41 (10 females (2p, 1l, 7nr), 30 males)
<i>Myotis velifer</i> , cave myotis	8 (2 females (1l, 1nr), 6 males)
<i>Myotis volans</i> , long-legged myotis	132 (77 females (10p, 36l, 31nr), 51 males, 4 unk.)
<i>Nyctinomops macrotis</i> , big free-tailed bat	3 (2 females (p), 1 male)
<i>Pipistrellus hesperus</i> , western pipistrelle	79 (3 females (nr), 74 males, 2 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	155 (93 females (53p, 40nr), 59 males, 3 unknown)
Total species	= 18
Total individuals	= 1068

Notable captures:

Tadarida brasiliensis were in Statue Cave from 02 June thru 13 June w/nightly emergences lasting from 7 to 12 minutes.

The "water for wildlife" tank at Silver Creek was full and available to bats. Ten species were caught over the tank, including the first record of an *Idionycteris phyllotis* at this site.

This year marks the first time we have caught an adult male *Choeronycteris mexicana* along Cave Creek Canyon. Without exception, all previous captures were of mostly reproductively active females. (What is this guy doing here?)

This year marks the first time we have caught adult, reproductively active female *Idionycteris phyllotis*. Two pregnant females were mist netted at the wet meadow near Barfoot Campground on Rustler Peak (elevation approximately 8200ft.).

We also caught a record number of *Corynorhinus townsendii*, both reproductively active females and males. A total of 35 individuals (24 females, 11 males) were trapped and netted. There were no mortalities amongst this species this year either.

This year marks the first year since 1994 that we netted on Rustler Peak. Interestingly, species composition from 2004 was markedly different from that in 1994 and sex ratios among species caught in 2004 were significantly different for three species than those recorded for netting and trapping efforts along Cave Creek Canyon. Namely: (1) 100% of *Corynorhinus townsendii* captured at Barfoot were reproductive females, compared to 40% in Cave Creek Canyon, (2) 50% of *Idionycteris phyllotis* captured at Barfoot were reproductive females, compared to 0% in Cave Creek Canyon, and 75-90% of *Myotis volans* captured at Barfoot were reproductive females, compared to 8% in Cave Creek Canyon.

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