

**1997 BCI Bat Conservation and Management Workshop
Portal, AZ**

Summary of Capture Data

J.Tyburec/BCI

Session I

Day 01: 23 May 1997; 1900--2200 (Start Temp: 69F, End Temp: 63)

Location G: Creek-side locations in Cave Creek Canyon, across from FS Visitors Information Center

Site #1: One 18' mist net across 8' wide and 20' long quiet pool in creek bordered by vegetation and above.

<i>Eptesicus fuscus</i> , big brown bat			2 males
<i>Myotis volans</i> , long-legged myotis			1 female (nr)
	Total species	=	2
	Total individuals	=	3

Site #2: One 18' mist net across 15'x20' pool in creek directly across from VIC (downstream from Site#1).

<i>Antrozous pallidus</i> , pallid bat			1 male
<i>Eptesicus fuscus</i> , big brown bat			2 males
<i>Lasionycteris noctivagans</i> , silver-haired bat			1 female (nr)
<i>Myotis californicus</i> , California myotis			1 female (nr)
	Total species	=	4
	Total individuals	=	5

Site #3: One 18' mist net over shallow pool in stream w/overhanging vegetation downstream from Site #2.

<i>Eptesicus fuscus</i> , big brown bat			2 males
<i>Myotis californicus</i> , California myotis			1 female (nr)
<i>Myotis ciliolabrum</i> , western small-footed myotis			1 male
<i>Myotis volans</i> , long-legged myotis			1 male
	Total species	=	4
	Total individuals	=	5

Site #4: One 30' mist net over shallow pool in stream 150 yards down stream from Site #3.

<i>Lasionycteris noctivagans</i> , silver-haired bat			1 male
<i>Myotis velifer</i> , cave myotis			1 female (nr)
	Total species	=	2
	Total individuals	=	2
	Grand Total Species	=	7
	Grand Total Individuals	=	15

Day 02: 24 May 1997; 1930--2230 (Start Temp: 64F, End Temp: 60F)

Location B: Creek-side locations in South Fork of Cave Creek Canyon, near water over road.

Site #1: One 18-foot and one 30-foot net across quiet pools 200 yards upstream from water over road.

<i>Antrozous pallidus</i> , pallid bat			2 males
	Total species	=	1
	Total individuals	=	2

Site #2: One 30-foot net across quiet pool in stream with overhanging juniper branches about 20 yards upstream from water over road.

<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			3 males
<i>Lasionycteris noctivagans</i> , silver-haired bat			2 males
<i>Lasiurus cinereus</i> , hoary bat			1 male
<i>Myotis auriculus</i> , southwestern myotis			1 male
<i>Myotis californicus</i> , California myotis			2 male
<i>Myotis volans</i> , long-legged myotis			1 male
	Total species	=	8
	Total individuals	=	12

Site #3: Trip-lines (five lines installed 6-inches apart, 1-inch above the water) on water pool over the road.

<i>Eptesicus fuscus</i> , big brown bat			12 (1 female (nr), 11 males)
<i>Lasionycteris noctivagans</i> , silver-haired bat			1 male
<i>Pipistrellus hesperus</i> , western pipistrelle			2 males
	Total species	=	3
	Total individuals	=	15

Site #4: One large trap placed at narrow point in stream under overhanging vegetation about 15 yards down stream from water over road.

<i>Lasiurus blossevillii</i> , desert red bat		1 female (nr)
<i>Myotis auricolus</i> , southwestern myotis		1 female (nr)
<i>Myotis californicus</i> , California myotis		1 male
<i>Myotis volans</i> , long-legged myotis		1 female (nr)
Total species	=	4
Total individuals	=	4

Site #5: One 18-foot net placed over stream with confusing vegetation on sides and overhead about 125 yards downstream from water over road.

<i>Eptesicus fuscus</i> , big brown bat		3 males
Total species	=	1
Total individuals	=	3

Site #6 One 18-foot net placed over stream with still quiet pool and encroaching vegetation about 150 yards downstream from water over road.

<i>Eptesicus fuscus</i> , big brown bat		1 male
Total species	=	1
Total individuals	=	1
Grand Total Species	=	10
Grand Total Individuals	=	37

Day 03: 25 May 1997; 1915--2300 (Start Temp: 70F, End Temp: 56F)

Location A: Swimming pool at Southwestern Research Station, Portal AZ.

Site #1: Trip lines (14, approximately 1-foot apart, 2.5-inches above the water) set width-wise across the pool near the shallow end and diagonally (2 lines) towards the deep end.

<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		1 male
Grand Total species	=	2
Grand Total individuals	=	3

Location C: Cave Creek Canyon, Portal Arizona, upstream from Sunny Flats campground.

Site#1: One 8-foot and one 18-foot mist net across still pools with open vegetation and little water noise. 1930--2200 (Start Temp: 67F, End Temp 65F)

<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males
<i>Myotis californicus</i> , California myotis		1 female (p)
<i>Myotis thysanodes</i> , fringed myotis		1 male
<i>Myotis volans</i> , long-legged myotis		2 females (1p, 1nr)
Grand Total species	=	5
Grand Total individuals	=	7

Location I: "Cess Pool" cattle tank along road from Portal to Paradise

Site #1: Two 42-foot nets strung end-to-end across open area of water 1945--2115 (Start Temp: 70F, End Temp: 62F)

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 female (nr)
<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Myotis californicus</i> , California myotis		2 females (nr)
<i>Myotis ciliolabrum</i> , western small-footed myotis		1 male
<i>Myotis volans</i> , long-legged myotis		5 (4 females (nr), 1 males)
<i>Pipistrellus hesperus</i> , western pipistrelle		8 (1 female (p), 7 males)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		1 male
Grand Total species	=	7
Grand Total individuals	=	19

Location H: Silver Creek (half-way between Portal and Paradise).

Site #1: One large trap and two 18-foot mist nets along creek bed near only water available. 1930--2215 (Start Temp: 70F, End Temp: 62F)

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 female (p)
<i>Eptesicus fuscus</i> , big brown bat		1 female (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat		1 female (nr)
<i>Myotis californicus</i> , California myotis		4 (1 female (nr), 3 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis		1 male
<i>Myotis volans</i> , long-legged myotis		7 (4 females (nr), 3 males)
Grand Total Species	=	6
Grand Total Individuals	=	15

Day 04: 26 May, 1997 — 19:30 thru 22:00 (Start Temp: 65F, End Temp: 58F)
 Location F: Idlewild Campground, Cave Creek Canyon, Portal, AZ.
 Site #1: One 18-foot net perpendicular to upstream end of water over road at campground entrance across open area of stream and one 18-foot net about 20-yards further up stream tucked under encroaching vegetation.

<i>Lasionycteris noctivagans</i> , silver-haired bat			3 males
<i>Lasiurus cinereus</i> , hoary bat			2 males
<i>Myotis californicus</i> , California myotis			3 females (nr)
<i>Myotis velifer</i> , cave myotis			2 males
<i>Myotis volans</i> , long-legged myotis			2 females (1p, 1nr)
Total species	=		5
Total individuals	=		12

Site #2: One 18-foot mist net over a deep pool between Idlewild and Stewart campgrounds along bend in stream. (Start Temp: 62F, End Temp: 59F)

<i>Eptesicus fuscus</i> , big brown bat			2 males
<i>Lasionycteris noctivagans</i> , silver-haired bat			2 males
<i>Myotis velifer</i> , cave myotis			2 males
<i>Myotis volans</i> , long-legged myotis			2 female (1p, 1nr)
<i>Myotis thysanodes</i> , fringed myotis			1 female (p)
Total species	=		5
Total individuals	=		9

Site #3: One 18-foot mist net and one large trap set along down stream side of bridge near Stewart campground. (Start Temp: 65F, End Temp: 58F)

<i>Myotis auriculus</i> , southwestern myotis			1 female (p)
<i>Myotis californicus</i> , California myotis			1 male
<i>Myotis velifer</i> , cave myotis			1 male
Total species	=		3
Total individuals	=		3
Grand Total Species	=		8
Grand Total Individuals	=		24

Summary of Capture Results: Session I -- May 22 thru May 27, 1997

Three 30-foot nets, thirteen 18-foot nets, one 8-foot net, two 42-foot nets, two sets of trip-lines, and three large traps (Total Net(Trap)-Hours = 70.5)

<i>Antrozous pallidus</i> , pallid bat			4 (males)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat			3 (2 females (1p, 1nr), 1 male)
<i>Eptesicus fuscus</i> , big brown bat			30 (2 females (nr), 28 males)
<i>Lasionycteris noctivagans</i> , silver-haired bat			15 (2 females, (nr) 13 males)
<i>Lasiurus blossevillii</i> , desert red bat			1 female (nr)
<i>Lasiurus cinereus</i> , hoary bat			3 males
<i>Myotis auriculus</i> , southwestern myotis			3 (2 females (1p, 1nr), 1 male)
<i>Myotis californicus</i> , California myotis			16 (9 females (1p, 8nr), 7 males)
<i>Myotis ciliolabrum</i> , small-footed myotis			3 males
<i>Myotis thysanodes</i> , fringed myotis			2 (1 female (p), 1 male)
<i>Myotis velifer</i> , cave myotis			6 (1 female (nr), 5 males)
<i>Myotis volans</i> , long-legged myotis			22 (16 females (3p, 13nr), 6 males)
<i>Pipistrellus hesperus</i> , western pipistrelle			10 (1 female (p), 9 males)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat			2 males
Total species	=		14
Total individuals	=		120

Session II

Day 01: 28 May 1997; 1945--2215 (Start Temp: 69F, End Temp: 63F)

Location D: Creek-side locations near Sunny Flats Campground, along main branch and South Fork Junction.

Site #1: One 18-foot mist net across deep open pool upstream from South Fork junction

<i>Eptesicus fuscus</i> , big brown bat			1 male
<i>Myotis velifer</i> , cave myotis			1 male
Total species	=		2
Total individuals	=		2

Site #2: One 30-foot mist net across pool w/overhanging vegetation downstream from South Fork junction

<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Myotis velifer</i> , cave myotis		1 unknown
<i>Myotis volans</i> , long-legged myotis		1 female (p)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		1 male
Total species	=	5
Total individuals	=	5

Site #3: One large trap along South Fork stream under overhanging vegetation and over water

<i>Myotis auricolus</i> , southwestern myotis		2 (1 female (p), 1 male)
<i>Myotis californicus</i> , California myotis		5 males
<i>Myotis volans</i> , long-legged myotis		5 (2 females (p), 3 males)
Total species	=	3
Total individuals	=	12

Site #4: One 18 foot net along South Fork stream w/overhanging and encroaching vegetation

<i>Eptesicus fuscus</i> , big brown bat		2 males
<i>Lasiurus cinereus</i> , hoary bat		2 males
<i>Myotis ciliolabrum</i> , western small-footed myotis		1 male
Total species	=	3
Total individuals	=	5

Site #5: One 18 foot net beneath center of bridge at South Fork stream

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 male
<i>Myotis californicus</i> , California myotis		1 male
<i>Myotis ciliolabrum</i> , western small-footed myotis		1 male
<i>Myotis volans</i> , long-legged myotis		1 male
Total species	=	4
Total individuals	=	4
Grand Total Species	=	10
Grand Total Individuals	=	28

Day 02: 28 May 1997 -- 1930 thru 2230 (Start Temp: 66F, End Temp: 60F)

Location B: South Fork, Cave Creek Canyon near water crossing in road

Site #1: One 30-foot net and one 42-foot net upstream from water over road, adjacent to cliff.

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Eptesicus fuscus</i> , big brown bat		6 (5 males, 1 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat		1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Myotis californicus</i> , California myotis		1 male
Total species	=	6
Total individuals	=	11

Site #2: One 30-foot mist net just down stream from Site #1 tucked under overhanging Arizona cypress tree across stream and dry bed.

<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males
Total species	=	2
Total individuals	=	2

Site #3: Six trip-wires set across water over road 12-inches apart, 1-inch above water surface.

<i>Eptesicus fuscus</i> , big brown bat		10 males
<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male
Total species	=	2
Total individuals	=	11

Site #4: One Austbat Harp Trap down stream from water over road, tucked in under alligator juniper set over water in stream

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (p)
<i>Eptesicus fuscus</i> , big brown bat		2 males
<i>Myotis californicus</i> , California myotis		2 males
<i>Myotis ciliolabrum</i> , western small-footed myotis		5 (1 female (p), 4 males)
<i>Myotis volans</i> , long-legged myotis		1 female (p)
<i>Pipistrellus hesperus</i> , western pipistrelle		2 males
Total species	=	6
Total individuals	=	13

Site #5: One large trap set over pool in stream under vegetation.

<i>Eptesicus fuscus</i> , big brown bat			4 males
Total species	=		1
Total individuals	=		4

Site #6 One 30-foot net set down-stream from Site #5

<i>Lasiurus cinereus</i> , hoary bat			4 males
<i>Myotis ciliolabrum</i> , western small-footed myotis			1 male
Total species			2
Total individuals			5
Grand Total Species	=		10
Grand Total Individuals	=		46

Day 03: 30 May 1997, 1930--2230 (Start Temp: 63F, Stop Temp: 60F)

Location A: SWRS swimming pool — Two 42-foot nets, one 18-foot net, one 8-foot net, and one large trap

<i>Eptesicus fuscus</i> , big brown bat			1 male
<i>Lasiurus cinereus</i> , hoary bat			1 male
<i>Pipistrellus hesperus</i> , western pipistrelle			5 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat			4 males
Grand Total species	=		5
Grand Total individuals	=		17

Location F: Idlewild -- 1930--2200 (Start Temp: 72, End Temp 63) — One 18-foot net over 20' long deep pond

<i>Antrozous pallidus</i> , pallid bat			1 male
<i>Eptesicus fuscus</i> , big brown bat			1 male
<i>Lasiurus cinereus</i> , hoary bat			1 male
<i>Myotis auriculus</i> , southwestern myotis			1 female (p)
<i>Myotis velifer</i> , cave myotis			1 female (nr)
Total species	=		5
Total individuals	=		5

Site #2: One 18-foot mist net across 12x40' pool in stream.

<i>Lasiurus cinereus</i> , hoary bat			2 males
<i>Myotis californicus</i> , California myotis			1 males
<i>Myotis ciliolabrum</i> , western small-footed myotis			2 (1 female (nr), 1 male)
Total species	=		4
Total individuals	=		6

Site #3: One Austbat Trap over stream between much close confusing vegetation.

<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 males
<i>Myotis velifer</i> , cave myotis			2 males
<i>Myotis volans</i> , long-legged myotis			1 male
Total species	=		5
Total individuals	=		13

Site #4: One 18-foot net 10 yards down stream from Site #3

<i>Eptesicus fuscus</i> , big brown bat			1 male
<i>Lasiurus cinereus</i> , hoary bat			2 males
<i>Myotis californicus</i> , California myotis			2 (1 female (nr), 1 male)
<i>Myotis thysanodes</i> , fringed myotis			3 males
<i>Myotis velifer</i> , cave myotis			1 male
<i>Myotis volans</i> , long-legged myotis			1 male
Total species	=		8
Total individuals	=		13

Site #3: One 30-foot net between willows and narrows along stream bed.

<i>Lasiurus cinereus</i> , hoary bat			1 male
<i>Myotis auriculus</i> , southwestern myotis			1 male
Total species	=		2
Total individuals	=		2
Grand Total Species	=		10
Grand Total Individuals	=		40

Day 04: 31 May 1997, 2000--2230

Location I: Cess Pool Cattle tank along road to Paradise, two 42-foot nets spanning pool.
(Start Temp: 70F, End Temp: 67F)

<i>Eptesicus fuscus</i> , big brown bat	12 (1 female(l), 11 males)
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis californicus</i> , California myotis	4 (2 females (1p, 1) 2 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	12 (1 female (p), 11 males)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	2 (1 female (nr), 1 male)
Grand Total species	= 5
Grand Total individuals	= 32

Location H: Silver Creek near spring along road to Paradise
1945--2245 (Start Temp: 74F, End Temp: 69F)

Site #1: One 18-foot net along bend in dry streambed.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	1 female (nr)
Total species	= 2
Total individuals	= 2

Site #2: One Large trap over still water in stream upstream 25 yards from Site #1

<i>Myotis auriculus</i> , southwestern myotis	3 females (nr)
<i>Myotis californicus</i> , California myotis	9 (5 females (3nr, 2p), 4 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	5 (2 females (p), 3 males)
<i>Myotis thysanodes</i> , fringed myotis	1 female (p)
<i>Myotis volans</i> , long-legged myotis	4 (1 female (p), 3 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species	= 6
Total individuals	= 23

Site #3: One 8-foot net between heavy vegetation along small wet spot in stream.

<i>Myotis thysanodes</i> , fringed myotis	1 male
Total species	= 1
Total individuals	= 1

Site #4: One Austbat Trap between and under overhanging vegetation upstream 50 yards from Site #3

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Lasiurus blossevillii</i> , western red bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	1 female (p)
<i>Myotis californicus</i> , California myotis	4 (1 female (nr), 3 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	3 (1 female (p), 2 males)
Total species	= 6
Total individuals	= 11
Grand Total Species	= 10
Grand Total Individuals	= 37

Summary of Capture Results: Session II -- May 27 thru June 1, 1997

Five 42-foot nets, five 30-foot nets, nine 18-foot nets, two 8-foot nets, one set of trip-lines, and six large traps
(Total Net(Trap)-Hours = 72.5)

<i>Antrozous pallidus</i> , pallid bat	3 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (p)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	43 (2 females (1l, 1nr), 40 males, 1 unk)
<i>Idionycteris phyllotis</i> , lappet-browed bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	8 males
<i>Lasiurus blossevillii</i> , desert red bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	16 males
<i>Myotis auriculus</i> , southwestern myotis	11 (6 females (3p, 3nr), 5 males)
<i>Myotis californicus</i> , California myotis	37 (14 females (3p, 11nr), 22 males)
<i>Myotis ciliolabrum</i> , small-footed myotis	20 (5 females (4p, 1nr), 15 males)
<i>Myotis thysanodes</i> , fringed myotis	5 (1 female (p), 4 males)
<i>Myotis velifer</i> , cave myotis	6 (1 female (nr), 5 males, 1 unknown)
<i>Myotis volans</i> , long-legged myotis	14 (5 females (p), 9 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	21 (1 female (p), 20 males)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	7 (1 female (nr), 6 males)
Total species	= 16
Total individuals	= 195

Session III

Day 01: 02 June 1997 — 1930-2230 (Start Temp: 77F, End Temp 67F)

Location G: Across from USFS Visitors Center, Cave Creek Canyon, Coronado National Forest Portal, Arizona'

Site #1: One 18-foot net over 30'x10' pool with overhanging vegetation.

<i>Eptesicus fuscus</i> , big brown bat			2 males
<i>Myotis velifer</i> , cave myotis			1 male
<i>Myotis volans</i> , long-legged myotis			1 male
Total species	=		3
Total individuals	=		4

Site #2: One 30-foot net over 60x9' pool open from above

<i>Eptesicus fuscus</i> , big brown bat			3 males
<i>Lasiurus cinereus</i> , hoary bat			1 male
<i>Myotis volans</i> , long-legged myotis			1 male
<i>Pipistrellus hesperus</i> , western pipistrelle			2 (1 male, 1 unknown)
Total species	=		4
Total individuals	=		7

Site #3: One 18-foot net over a deep narrow 30x15' pool in stream.

<i>Antrozous pallidus</i> , pallid bat			1 male
<i>Eptesicus fuscus</i> , big brown bat			3 males
<i>Myotis californicus</i> , California myotis			1 females (p)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat			1 male
Total species	=		4
Total individuals	=		6

Site #4: One Austbat trap over stream bed with overhanging vegetation.

<i>Lasiurus blossevillii</i> , desert red bat			1 male
<i>Eptesicus fuscus</i> , big brown bat			5 males
<i>Myotis auriculus</i> , southwestern myotis			1 females (p)
<i>Myotis californicus</i> , California myotis			3 males
<i>Myotis thysanodes</i> , fringed myotis			1 male
<i>Pipistrellus hesperus</i> , western pipistrelle			2 males
Total species	=		6
Total individuals	=		13

Site #5: One 18-foot net over pool w/overhanging vegetation (first open water upstream from USFS VIC)

<i>Eptesicus fuscus</i> , big brown bat			2 males
<i>Lasiurus cinereus</i> , hoary bat			3 (2 males, 1 unknown)
<i>Myotis ciliolabrum</i> , small-footed myotis			1 male
<i>Myotis thysanodes</i> , fringed myotis			5 (3 females (nr), 2 male)
<i>Myotis velifer</i> , cave myotis			1 male
<i>Pipistrellus hesperus</i> , western pipistrelle			2 (1 male, 1 unknown)
Total species	=		6
Total individuals	=		14
Grand Total Species	=		12
Grand Total Individuals	=		44

Day 02: 03 June 1997 2000--2200 (Start Temp: 73F, End Temp: 68F)

Location B: South Fork, Cave Creek Canyon

Site #1: Two 18-foot nets over small pools 150 yards downstream from water over road.

<i>Myotis thysanodes</i> , fringe-tailed myotis			1 male
Total species	=		1
Total individuals	=		1

Site #2: One Tuttle trap over stream bed 50 yards from Site #1.

<i>Myotis californicus</i> , California myotis			3 males
<i>Myotis thysanodes</i> , fringed myotis			1 male
<i>Myotis volans</i> , long-legged myotis			3 (1 female (p), 2 males)
Total species	=		2
Total individuals	=		7

Site #3: One 18-foot mist net across stream bed with narrow 5' channel of water.

<i>Eptesicus fuscus</i> , big brown bat			2 males
<i>Lasiurus cinereus</i> , hoary bat			1 male
<i>Myotis auriculus</i> , southwestern myotis			1 male
Total species	=		3
Total individuals	=		4

Site #4: One Austbat trap in stream bed between and under vegetation downstream from water over road

<i>Antrozous pallidus</i> , pallid bat		4 males
<i>Eptesicus fuscus</i> , big brown bat		4 males
<i>Myotis auriculus</i> , southwestern myotis		3 males
<i>Myotis californicus</i> , California myotis		11 (2 females (1p, 1nr) 9 males)
<i>Pipistrellus hesperus</i> , western pipistrelle		2 males
Total species	=	5
Total individuals	=	24

Site #5: Seven trip-lines set across water over road about 1-inch above water's surface.

<i>Eptesicus fuscus</i> , big brown bat		10 males
<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Pipistrellus hesperus</i> , western pipistrelle		9 males
Total species	=	4
Total individuals	=	21

Site #6: One 30-foot net set under Arizona cypress just down stream from water over road.

<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Myotis auriculus</i> , southwestern myotis		2 females (nr)
<i>Myotis thysanodes</i> , fringed myotis		1 male
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male
Total species	=	4
Total individuals	=	5

Site #7: One 18-foot net set beside cliff and over water.

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat		1 male
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male
Total species	=	3
Total individuals	=	3

Site #8: One 30-foot net set along stream bed under confusing vegetation

<i>Lasiurus cinereus</i> , hoary bat		1 female (nr)
<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	=	4
Total individuals	=	4
Grand Total Species	=	11
Grand Total Individuals	=	69

Day 03: 04 June 1997, 2000--2230 (Start Temp: 73F, End Temp: 63F)

Location D: Stream locations in Sunny Flats campground.

Site #1: Austbat harp trap under overhanging vegetation over dry section of stream

<i>Myotis auriculus</i> , southwestern myotis		1 male
Total species	=	1
Total individuals	=	1

Site #2: One large Tuttle trap over water and under vegetation on South Fork branch of cave creek

<i>Myotis californicus</i> , California myotis		4 (1 female (nr), 3 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis		1 male
Total species	=	2
Total individuals	=	5

Site #3: One 18-foot net across small still pool in stream beneath sycamore branches.

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

Site #4: One 18-foot net, one 30-foot net, and one 42-foot net over dry stream and small pool.

<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Myotis californicus</i> , California myotis		2 males
<i>Myotis velifer</i> , cave myotis		2 males
Total species	=	4
Total individuals	=	6
Grand Total Species	=	8
Grand Total Individuals	=	16

Day 04: 15 June 1997, 2000--2200 (Start Temp: 80F, End Temp: 77F)

Location J: Earthen Cattle Tank (1/4 mile up along Foothills Road to Portal Road and San Simon)

Site #1: Four 42-foot nets set in x-formation across tank

<i>Eptesicus fuscus</i> , big brown bat		2 males
<i>Lasiurus cinereus</i> , hoary bat		2 (1 male, 1 unk)
<i>Myotis californicus</i> , California myotis		1 male
<i>Pipistrellus hesperus</i> , western pipistrelle		5 (1 female (p), 4 males)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		4 (1 female (nr), 3 males)
Grand Total Species	=	5
Grand Total Individuals	=	14

Location H: Silver Creek Stream ½ way between Portal and Paradise along Paradise road
2000--2200 (Start Temp: 80F, End Temp: 77F)

Site #1: One Austbat trap over dry stream bed under juniper and next to large rock outcrop

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Myotis californicus</i> , California myotis		11 (5 females (p), 6 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis		1 male
<i>Myotis thysanodes</i> , fringed myotis		2 males
<i>Myotis velifer</i> , cave myotis		1 male
<i>Myotis volans</i> , long-legged myotis		3 (2 females (p), 1 male)
<i>Pipistrellus hesperus</i> , western pipistrelle		2 males
Total species	=	7
Total individuals	=	21

Site #2: One 18-foot mist net across narrow, shallow stream just down stream from Site #1.

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Myotis ciliolabrum</i> , western small-footed myotis		1 male
<i>Pipistrellus hesperus</i> , western pipistrelle		2 males
Total species	=	3
Total individuals	=	4

Site #3: One large trap about 50-yards down stream from Site #2 over shallow narrow pool between encroaching vegetation.

<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Myotis auriculus</i> , southwestern myotis		1 male
<i>Myotis californicus</i> , California myotis		16 (6 females (1p, 5nr), 10 males)
<i>Myotis ciliolabrum</i> , small-footed myotis		1 female (p)
<i>Myotis thysanodes</i> , fringed myotis		2 males
<i>Myotis volans</i> , long-legged myotis		4 (1 female (p), 3 males)
<i>Pipistrellus hesperus</i> , western pipistrelle		2 (1 female (p), 1 male)
Total species	=	7
Total individuals	=	27

Site #4: One 18-foot net at curve in stream over shallow narrow water 200 yards downstream from Site #3

<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		2 (1 female (nr), 1 male)
<i>Myotis californicus</i> , California myotis		3 males
<i>Myotis thysanodes</i> , fringed myotis		1 male
<i>Myotis volans</i> , long-legged myotis		1 male
Total species	=	5
Total individuals	=	8
Grand Total Species	=	10
Grand Total Individuals	=	60

Location A: One 42-foot, and two 30-foot nets over SWRS pool 1930--2130 (Start Temp: 71F, End Temp: 68F)

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	2 (1 male, 1 unk)
<i>Lasiurus cinereus</i> , hoary bat	1 (male)
<i>Myotis volans</i> , long-legged myotis	1 female (p)
<i>Pipistrellus hesperus</i> , western pipistrelle	4 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	9 males
Grand Total Species	= 6
Grand Total Individuals	= 18

Summary of Capture Results: Session III -- June 1 thru June 6, 1997

Seven 42-foot nets, eight 30-foot nets, twenty-one 18-foot nets, one set trip-lines, and seven large traps (Total Net(Trap)-Hours = 70)

<i>Antrozous pallidus</i> , pallid bat	8 males
<i>Eptesicus fuscus</i> , big brown bat	38 males
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	3 (2 males, 1 unknown)
<i>Lasiurus blossevillii</i> , desert red bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	14 (2 females (nr), 10 males, 2 unknown)
<i>Myotis auriculus</i> , southwestern myotis	9 (3 females (1p, 2nr), 6 males)
<i>Myotis californicus</i> , California myotis	56 (15 females (8p, 7nr), 41 males)
<i>Myotis ciliolabrum</i> , small-footed myotis	6 (1 female (p), 5 males)
<i>Myotis thysanodes</i> , fringed myotis	15 (3 females (nr), 12 males)
<i>Myotis velifer</i> , cave myotis	5 males
<i>Myotis volans</i> , long-legged myotis	14 (5 females (p), 9 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	37 (2 females (p), 33 males, 2 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	14 (1 female (nr), 13 males)
Total species	= 14
Total individuals	= 221

1997 Bat Conservation and Management Workshop

Summary of Capture Results -- May 22 thru June 6, 1997

Fourteen 42-foot nets, fifteen 30-foot nets, thirty-eight 18-foot nets, three 8-foot nets, four sets of trip-wires, and sixteen large traps (213 Net/Trap-Hours)

<i>Antrozous pallidus</i> , pallid bat	15 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (p)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	4 (2 females (1p, 1nr), 2 males)
<i>Eptesicus fuscus</i> , big brown bat	111 (4 females (1f, 3nr), 106 males, 1 unknown)
<i>Idionycteris phyllotis</i> , lappet-browed bat	2 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	26 (2 females (nr), 23 males, 1 unknown)
<i>Lasiurus blossevillii</i> , desert red bat	3 (1 female (nr), 2 males)
<i>Lasiurus cinereus</i> , hoary bat	33 (2 females (nr), 29 males, 2 unknown)
<i>Myotis auriculus</i> , southwestern myotis	23 (11 females (5p, 6nr), 12 males)
<i>Myotis californicus</i> , California myotis	109 (39 females (12p, 1f, 26nr), 70 males)
<i>Myotis ciliolabrum</i> , small-footed myotis	29 (6 females (5p, 1nr) 23 males)
<i>Myotis thysanodes</i> , fringed myotis	22 (5 females (2p, 3nr) 17 males)
<i>Myotis velifer</i> , cave myotis	17 (2 females (nr), 14 males, 1 unknown)
<i>Myotis volans</i> , long-legged myotis	50 (26 females (13p, 13nr), 24 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	68 (4 females (p), 62 males, 2 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	23 (2 females (nr), 21 males)
Total species	= 16
Total individuals	= 536