

2001 BCI Bat Conservation and Management Workshop
Portal, AZ
Summary of Capture Data

J.Tyburec/BCI

Session I

Day 01: 07 June 2001

Location #1: Cave Creek Canyon Across from US Forest Service Visitor Information Center (VIC); Start Time: 1945, End Time; 2130 (Start Temp: 74°F, End Temp: 69°F)

Site #1: One 8-foot and one 18-foot mist net set almost parallel about 15 feet apart over a 5x15-foot pool in stream with a swoop-zone of 10x50-feet.

<i>Eptesicus fuscus</i> , big brown bat	5 (1 female (p), 4 males)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	3 males
<i>Lasiurus cinereus</i> , hoary bat	3 males
<i>Myotis auriculatus</i> , southwestern myotis	2 females (p)
<i>Myotis californicus</i> , California myotis	3 (2 females (p), 1 male)
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	3 males
Total species =	9
Total individuals =	23

Site #2: One large AustBat Harp Trap set over dry section of creek between and under encroaching vegetation.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	8 males
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	3 males
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Leptonycteris curasoae</i> , lesser long-nosed bat	2 (1 female (nr), 1 male)
<i>Myotis auriculatus</i> , southwestern myotis	3 males
<i>Myotis californicus</i> , California myotis	13 (1 female (p), 12 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	2 males
<i>Myotis velifer</i> , cave myotis	1 male
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species =	12
Total individuals =	38

Site #3: Two 18-foot mist nets set in a V pattern over a still pool in the stream.

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	2 males
<i>Lasiurus blossevillii</i> , desert red bat	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	3 males
Total species =	4
Total individuals =	7

Site #4: One 8-foot mist net and one 30-foot mist net set in a V pattern over a dry section of creek where vegetation constricts the flyway.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	2 males – 1 mortality
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Myotis californicus</i> , California myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	3 (2 female (1nr, 1pl), 1 male)
Total species =	5
Total individuals =	8

Site #5: One 18-foot mist net set over a 10x20-foot still pool in the stream with a swoop-zone of 40x40-feet

<i>Lasionycteris noctivagans</i> , silver-haired bat	2 males
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species =	4
Total individuals =	5

Site #6: One 8-foot mist net set over a 8x12-foot still pool in the stream with a swoop-zone of 15x30-feet.

<i>Eptesicus fuscus</i> , big brown bat		2 males
<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males
<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Myotis thysanodes</i> , fringed myotis		1 female (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		3 (1 female (nr), 2 males)
	Total species =	5
	Total individuals =	9

Day 02: 08 June 2001

Location #1: Cave Creek at Idlewild Camp Ground; Start Time: 1930, End Time: 2200 (Start Temp: 75°F, End Temp: 71°F)

Site #1: One large AustBat Harp Trap set over water in creek between and under encroaching vegetation.

<i>Myotis c.</i> (unknown; escaped from trap)		1 (unknown)
<i>Myotis auriculus</i> , southwestern myotis		3 (2 females (p), 1 male)
<i>Myotis californicus</i> , California myotis		3 (1 female (p), 2 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis		6 (2 females (1p, 1nr), 4 males)
	Total species =	3
	Total individuals =	13

Site #2: One 18-foot mist net set over an 8x12-foot pool of still water in creek with a swoop-zone of 6x80-feet and one 42-foot mist net set lengthwise over a section of still water in the creek (no bats caught in this net).

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

Site #3: Two 18-foot mist nets set in a V pattern over a 9x23-foot still pool in creek with a swoop-zone of 12x25-feet.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 female (pl) – mortality
<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males
<i>Myotis auriculus</i> , southwestern myotis		3 females (p)
<i>Myotis californicus</i> , California myotis		4 (2 females (1nr, 1p), 2 males)
	Total species =	5
	Total individuals =	11

Site #4: One 8-foot and one 18-foot mist net set parallel to each other about 15-feet apart over a still pool in stream 10x20-feet with a swoop zone of 10x40-feet across from big rock.

<i>Eptesicus fuscus</i> , big brown bat		2 males
<i>Myotis auriculus</i> , southwestern myotis		2 males
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male	
	Total species =	4
	Total individuals =	6

Day 03: 09 June 2001

Location #1: Southwestern Research Station Creek behind buildings. Start Time: 1930 End Time: 2200. Start Temp: 73°F, End Temp: 66°F.

Site #1: One large Austbat Harp Trap set over water in creek under and between encroaching vegetation.

<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 auriculus</i> , southwestern myotis		2 females (1p, 1nr)
<i>Myotis ciliolabrum</i> , western small-footed myotis		2 males
<i>Myotis velifer</i> , cave myotis		2 males
	Total species =	6
	Total individuals =	13

Site #2: One 18-foot mist net set over a 10x15-foot still pool in stream behind SWRS with a swoop-zone of 20x60-feet

<i>Lasiurus noctivagans</i> , silver-haired bat			1 male
<i>Lasiurus cinereus</i> , hoary bat			3 males
	Total species	=	2
	Total individuals	=	4

Site #3: Two 18-foot mist nets and two 42-foot mist nets set in a box formation around the SWRS swimming pool.

<i>Lasiurus cinereus</i> , hoary bat			2 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat			15 (3 females (p), 12 males)
	Total species	=	2
	Total individuals	=	17

Day 04: 10 June 2001 — Start Time: 2000-2230 Start Temp: 82°F End Temp: 78°F

Location #1 State Line Road Wetlands.

Site #1: Three 42-foot mist nets set in a spoke design over open water and one 18-foot mist net set along bank.

<i>Antrozous pallidus</i> , pallid bat			1 male
<i>Lasiurus cinereus</i> , hoary bat			7 males
<i>Myotis thysanodes</i> , fringed myotis			1 male
<i>Nyctinomops femorosaccus</i> , pocketed free-tail bat			1 female (nr)
<i>Nyctinomops macrotis</i> , big free-tailed bat			1 female (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat			11 (5 females (3p, 2nr), 6 males)
	Total species	=	6
	Total individuals	=	22

Summary of Capture Results — Session I: 7 - 10 June 2001

Three large Ausbat Harp Traps, Four 8-foot, Eleven 18-foot, One 30-foot, and Six 42-foot mist nets.
(60.25 Net/Trap Hours Total)

<i>Antrozous pallidus</i> , pallid bat			3 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat			1 females (p)
<i>Eptesicus fuscus</i> , big brown bat			24 (1 female (p), 23 males)
<i>Idionycteris phylloides</i> , Allen's lappet-browed bat			2 males
<i>Lasiurus noctivagans</i> , silver-haired bat			18 males
<i>Lasiurus blossevillii</i> , western red bat			1 female (nr)
<i>Lasiurus cinereus</i> , hoary bat			22 males
<i>Leptonycteris curasoae</i> , lesser long-nosed bat			2 (1 female (nr), 1 male)
<i>Myotis auriculus</i> , southwestern myotis			15 (9 females (8p, 1nr), 6 males)
<i>Myotis californicus</i> , California myotis			24 (6 females (5p, 1nr), 18 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis			11 (2 females (1p, 1nr), 9 males)
<i>Myotis c.</i> , unknown ciliolabrum/californicus			1 unknown
<i>Myotis thysanodes</i> , fringed myotis			7 (3 female (1p, 1pl, 1nr), 4 males)
<i>Myotis velifer</i> , cave myotis			3 males
<i>Myotis volans</i> , long-legged myotis			2 males
<i>Nyctinomops femorosaccus</i> , pocketed free-tailed bat			1 female (nr)
<i>Nyctinomops macrotis</i> , big free-tailed bat			1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle			8 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat			33 (9 females (6p, 2l, 1nr), 24 males)
	Total species	=	18
	Total individuals	=	179

Session II

Day 01: 12 June 2001
 Location #1: South Fork of Cave Creek. Start Time: 1930, End Time: 2200. Start Temp: 76°F, End Temp: 69°F.
 Site #1: One 8-foot mist net set just upstream from water over road, spanning a small pool beneath a willow. One 30-foot and one 18-foot mist net set in a V formation over a 9x30 foot pool with a swoop zone of 30x300 feet just upstream from the 8-foot net.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (p)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 female (p)
<i>Eptesicus fuscus</i> , big brown bat	3 males
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	3 males
<i>Myotis auriculus</i> , southwestern myotis	1 female (p)
<i>Myotis californicus</i> , California myotis	5 (2 females (1p, 1nr), 3 males – 1 mortality)
<i>Myotis velifer</i> , cave myotis	1 male
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	6 males – 1 mortality
Total species =	9
Total individuals =	22

Site #2: Two 18-foot mist nets set parallel to each other, over pools in creek 3-5x10-12 feet large about 10 yards from each other with a swoop zone of 12x30 feet.

<i>Eptesicus fuscus</i> , big brown bat	8 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	1 female (p)
<i>Pipistrellus hesperus</i> , western pipistrelle	3 males
Total species =	4
Total individuals =	13

Site #3: Two 18-foot mist nets set over a 5x20-foot pool in stream.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	10 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	2 males
<i>Myotis auriculus</i> , southwestern myotis	3 (1 female (nr), 2 males)
<i>Myotis californicus</i> , California myotis	1 male
<i>Myotis ciliolabrum</i> , western small-footed myotis	3 (2 males, 1 unknown)
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species =	8
Total individuals =	23

Site #4: One large AustBat Harp trap set over creek under and between vegetation.

<i>Myotis californicus</i> , California myotis	11 males
<i>Myotis</i> sp., unknown	1 unknown
Total species =	1
Total individuals =	12

Day 02: 13 June 2001

Location #1: Portal Preserve (lower Cave Creek). Start Time: 2000, End Time: 2200. Start Temp: 78°F, End Temp: 73°F.

Site #1: One large AustBat Harp trap set over creek under and between vegetation.

<i>Myotis californicus</i> , California myotis	9 (4 females (2p, 1l, 1nr), 5 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	3 (1 female (nr), 2 males)
<i>Myotis thysanodes</i> , fringed myotis	1 female (p)
Total species =	3
Total individuals =	13

Site #2: One 8-foot mist net set over dry creek bed under vegetation and one 18-foot mist net set over small pool in creek (3x8-feet) about 100-feet down stream. Swoop zone about 8x20-feet.

<i>Myotis auriculus</i> , southwestern myotis	1 male
<i>Myotis californicus</i> , California myotis	2 (1 female (p), 1 male)
<i>Myotis ciliolabrum</i> , western small-footed myotis	2 males
<i>Myotis thysanodes</i> , fringed myotis	4 (3 females (1l, 2nr), 1 male)
Total species =	4
Total individuals =	9

Site #3: One 8-foot and one 18-foot mist net set in a v-formation over an 8x30 foot pool in stream. One 18-foot mist net set over dry creek bed about 60-feet upstream. One 8-foot and one 18-foot mist net

set over a 9x25 pool in stream about 120-feet upstream, parallel to each other about 25-feet apart.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	2 (1 female (nr), 1 male)
<i>Eptesicus fuscus</i> , big brown bat	21 (19 males, 2 unknown)
<i>Lasiurus blossevillii</i> , desert red bat	2 females (1p, 1nr)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	2 (1 female (p), 1 male)
<i>Myotis californicus</i> , California myotis	7 (3 females (p), 4 males)
<i>Myotis thysanodes</i> , fringed myotis	6 (5 females (3p, 2nr), 1 unknown)
<i>Pipistrellus hesperus</i> , western pipistrelle	4 males
Total species =	8
Total individuals =	45

Day 03: 14 June 2001

Location #1: Creek locations at Idlewild campground. Start Time: 1930, End Time: 2200. Start Temp: 66°F, End Temp: 65°F.

Site #1: One 8-foot mist net and two 18-foot mist nets set along small (~8x15-foot) pools in creek parallel to each other, about 60-feet apart.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	3 males
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	5 males
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	1 female (p)
<i>Myotis californicus</i> , California myotis	2 females (1l, 1nr)
<i>Myotis ciliolabrum</i> , western small-footed myotis	2 males
<i>Myotis volans</i> , long-legged myotis	3 females (2p, 1l)
<i>Pipistrellus hesperus</i> , western pipistrelle	6 males
Total species =	10
Total individuals =	25

Site #2: Two 18-foot mist nets set in an open V-formation across a 10x30-foot still pool in creek and one 18-foot mist net set across still pool in creek near rock outcrop about 75-yards upstream.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (l)
<i>Eptesicus fuscus</i> , big brown bat	8 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	6 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	9 (8 females (p), 1 male)
<i>Myotis californicus</i> , California myotis	5 males
<i>Myotis ciliolabrum</i> , western small-footed myotis	3 males
<i>Myotis velifer</i> , cave myotis	1 male
<i>Myotis volans</i> , long-legged myotis	1 female (p)
<i>Pipistrellus hesperus</i> , western pipistrelle	3 males
Total species =	11
Total individuals =	41

Location #2: Creek locations across from USFS Visitor Information Center. Start Time: 1930, End Time: 2200. Start Temp: 73°F, End Temp: 63°F.

Site #1: One large AustBat harp trap upstream from VIC trail set in creek over fallen log.

<i>Eptesicus fuscus</i> , big brown bat	6 (1 female (p), 5 males)
<i>Lasionycteris noctivagans</i> , silver-haired bat	3 males
<i>Myotis auriculus</i> , southwestern myotis	7 females (p)
<i>Myotis californicus</i> , California myotis	22 (11 females (6p, 2l, 3nr), 11 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	3 (1 female (p), 2 males)
<i>Myotis thysanodes</i> , fringed myotis	6 males
<i>Myotis velifer</i> , cave myotis	1 male
<i>Myotis volans</i> , long-legged myotis	2 (1 female (p), 1 male)
<i>Pipistrellus hesperus</i> , wester pipistrelle	2 males
Total species =	9
Total individuals =	52

Site #2: One 8-foot and one 18-foot net set parallel about 8-feet apart over a still pool in stream 4x15-feet.

<i>Eptesicus fuscus</i> , big brown bat	11 (1 female (p), 10 males)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Lasiurus blossevillii</i> , desert red bat	2 females (1p, 1l)
<i>Lasiurus cinereus</i> , hoary bat	1 male

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

<i>Myotis auriculus</i> , southwestern myotis		4 (2 females (p), 2 males)
<i>Myotis californicus</i> , California myotis		3 females (1p, 2nr)
<i>Myotis thysanodes</i> , fringed myotis		1 female (p)
<i>Myotis velifer</i> , cave myotis	1 male	
<i>Pipistrellus hesperus</i> , western pipistrelle		11 males
	Total species =	10
	Total individuals =	36

Day 04: 15 June 2001

Location #1: Willow Tank, Sulphur Canyon Rd. Start: 1930, End: 2200. Start Temp: 81°F, End Temp: 65°F.

Site #1: Three 42-foot nets in a spoke design covering open area of tank.

<i>Lasiurus cinereus</i> , hoary bat		2 males
<i>Nyctinomops femorosaccus</i> , pocketed free-tail bat		1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 female (l)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		43 (27 females (p), 16 males)
	Total species =	4
	Total individuals =	47

Location #2: SWRS – Swimming Pool. Start Time: 2030, End Time: 2230. Start Temp: 65°F, End Temp: 57°F.

Site #1: Two 42-foot and one 18-foot net set along long ends of pool and across shallow end, forming a V.

<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		7 (2 females (1p, 1nr), 5 males)
	Total species =	2
	Total individuals =	8

Location #3: SWRS – Creek behind buildings. Start: 2000, End: 2130. Start Temp: 70°F, End Temp: 65°F.

Site #1: One large AustBat Harp trap set over water in creek.

<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		1 male
<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		1 male
<i>Myotis volans</i> , long-legged myotis		1 female (nr)
	Total species =	6
	Total individuals =	6

Summary of Capture Results — Session II: 12-15 June 2001

Four large Ausbat Harp Traps, Six 8-foot, Sixteen 18-foot, One 30-foot, and Five 42-foot mist nets.
(73.5 Net/Trap Hours Total)

<i>Antrozous pallidus</i> , pallid bat		2 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		2 females (1p, 1l)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		3 (2 females (1p, 1nr), 1 male)
<i>Eptesicus fuscus</i> , big brown bat		70 (2 females (p), 66 males, 2 unknown)
<i>Idionycteris phylotis</i> , Allen's lappet-browed bat		6 males
<i>Lasionycteris noctivagans</i> , silver-haired bat		20 males
<i>Lasiurus blossevillii</i> , western red bat		5 females (2p, 1l, 2nr)
<i>Lasiurus cinereus</i> , hoary bat		8 males
<i>Myotis auriculus</i> , southwestern myotis		30 (23 females (21p, 2nr), 7 males)
<i>Myotis californicus</i> , California myotis		68 (26 females (14p, 4l, 8nr), 42 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis		17 (2 females (1p, 1nr), 14 males, 1 unknown)
<i>Myotis thysanodes</i> , fringed myotis		19 (10 females (5p, 1l, 4nr), 8 males, 1 unknown)
<i>Myotis velifer</i> , cave myotis		4 males
<i>Myotis volans</i> , long-legged myotis		8 (6 females (4p, 2nr), 2 males)
<i>Myotis sp.</i> , unknown myotis		1 unknown
<i>Pipistrellus hesperus</i> , western pipistrelle		38 (1 female (l), 37 males)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		50 (29 females (28p, 1nr), 21 males)
	Total species =	16
	Total individuals =	351

Session III

Day 01: 17 June 2001

Location #1: South Fork of Cave Creek Canyon. Start Time: 19:45, End Time: 2200; Start Temp: 73°F, End Temp: 66°F

Site #1: Three 18-foot mist nets set downstream from the water over the road. One perpendicular to creek flow and two set in a V-formation about 100 feet down stream from first set.

<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		1 male

<i>Myotis auriculus</i> , southwestern myotis	3 (1 female (l), 2 males)
<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	3 (2 males, 1 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male
Total species =	7
Total individuals =	11

Site #2: One large Austbat harp trap set under and between vegetation.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	3 (2 females (l), 1 unknown)
<i>Myotis californicus</i> , California myotis	18 (1 female (l), 17 males)
<i>Myotis volans</i> , long-legged myotis	3 males
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species =	7
Total individuals =	28

Site #3: Two 18-foot mist nets set over creek near trap.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (l)
<i>Myotis auriculus</i> , southwestern myotis	1 male
<i>Myotis californicus</i> , California myotis	3 (1 female (l), 2 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species =	5
Total individuals =	7

Day 02: 18 June 2001

Location #1: Cave Creek, down from Vista Point. Start: 19:30, End: 2200. Start Temp: 77°F, End Temp: 72°F

Site #1: One large Austbat trap under/between vegetation over 5x30-foot pool w/20x100-ft swoop zone.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	2 males
<i>Myotis auriculus</i> , southwestern myotis	2 males
<i>Myotis californicus</i> , California myotis	9 males
<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	3 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	4 males
Total species =	9
Total individuals =	24

Site #2: One 8-foot mist net and three 18-foot mist nets set in a parallel configuration with one 18-foot net upstream over the creek and two 18-foot mist nets and the 8-foot mist net set in a Y-configuration with one of the 18-foot nets parallel to the first about 10-feet from the first.

<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis auriculus</i> , southwestern myotis	5 (4 females (l), 1 male)
<i>Myotis californicus</i> , California myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	4 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	5 males
Total species =	5
Total individuals =	17

Site #3: One 8-foot mist net and one 18-foot mist net set parallel over still pools in creek.

<i>Antrozous pallidus</i> , pallid bat	2 males
<i>Eptesicus fuscus</i> , big brown 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 females (1p, 2l)
<i>Myotis thysanodes</i> , fringed myotis	2 males
<i>Myotis volans</i> , long-legged myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species =	8
Total individuals =	15

Site #4: Two 18-foot mist nets set parallel about 6-feet apart over a 16x25-foot still pool in stream with an unlimited swoop zone.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	3 males
<i>Myotis auriculus</i> , southwestern myotis	6 (1 female (l), 5 males)
<i>Myotis californicus</i> , California myotis	3 males
<i>Myotis thysanodes</i> , fringed myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	5 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	2 males
Total species =	7
Total individuals =	22

Day 03: 19 June 2001

Location #1: Portal Preserve. Start Time: 1930, End Time: 2100. Start Temp: 81°F, End Temp: 81°F with rain.

Site #1: Two 18-foot mist nets set in a V-formation over a 10x15-foot pool in stream.

<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Lasionycteris noctivagans</i> , silver-haired 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	3 (1 female (l), 2 males)
<i>Myotis thysanodes</i> , fringed myotis	2 (1 female (nr), 1 male)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male
Total species =	7
Total individuals =	12

Site #2: One large Austbat harp trap set over creek under and between vegetation.

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	1 male
<i>Myotis californicus</i> , California myotis	4 (1 female (l), 3 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
Total species =	4
Total individuals =	7

Site #3: One 8-foot mist net and one 18-foot mist net set in a V-formation over deep pool in stream near rock dam.

Total species =	0
Total individuals =	0

Site #4: One 8-foot mist net and one 18-foot mist net set over small pool in stream.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	4 males
<i>Lasiurus blossevillii</i> , desert red bat	2 females (1p, 1l)
<i>Myotis californicus</i> , California myotis	3 (2 females 1l, 1nr), 1 male)
<i>Myotis thysanodes</i> , fringed myotis	2 females (1p, 1l)
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species =	7
Total individuals =	14

Day 04: 20 June 2001

Location #1: Silver Creek. Start Time 1945, End Time: 2200. Start Temp: 73°F, End Temp: 73°F.

Site #1: One large Ausbat harp trap set in creek under and between vegetation.

<i>Myotis auriculus</i> , southwestern myotis	1 male
<i>Myotis californicus</i> , California myotis	4 (1 female (l), 3 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species	= 3
Total individuals	= 6

Site #2: One 8-foot mist net set in creek bed near "water for wildlife" tank.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Myotis californicus</i> , California myotis	4 males
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species	= 5
Total individuals	= 8

Site #3: One set of trip-lines over the "water for wildlife" tank.

<i>Pipistrellus hesperus</i> , western pipistrelle	2 males (1 mortality)
Total species	= 1
Total individuals	= 2

Location #2: Willow Tank off State Line Road near Portal. Start Time: 2000, End Time: 2200. Start Temp: 81°F, End Temp: 80°F.

Site #1: Three 42-foot mist nets set in a spoke design over tank.

<i>Lasiurus cinereus</i> , hoary bat	4 males
<i>Nyctinomops femorosaccus</i> , pocketed free-tail bat	1 male
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	2 males
Total species	= 3
Total individuals	= 7

Summary of Capture Results – Session III:

**Four large Ausbat Harp Traps, Five 8-foot, Fifteen 18-foot, Three 42-foot mist nets, and One set of trip-lines.
(59.25 Net/Trap Hours Total)**

<i>Antrozous pallidus</i> , pallid bat	8 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (l)
<i>Eptesicus fuscus</i> , big brown bat	15 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	5 males
<i>Lasiurus blossevillii</i> , desert red bat	2 females (1p, 1l)
<i>Lasiurus cinereus</i> , hoary bat	10 males
<i>Myotis auriculus</i> , southwestern myotis	26 (12 females (1p, 10l, 1nr), 13 males, 1 unknown)
<i>Myotis californicus</i> , California myotis	52 (7 females (6l, 1nr), 45 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	3 males
<i>Myotis thysanodes</i> , fringed myotis	9 (3 females (1p, 1l, 1nr), 6 males)
<i>Myotis volans</i> , long-legged myotis	9 males
<i>Nyctinomops femorosaccus</i> , pocketed free-tailed bat	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	24 (23 males, 1 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	15 males
Total species	= 14
Total individuals	= 180

Summary of Capture Results – Session I, II, and III: June 6 - 21, 2001
Eleven large Ausbat Harp Traps, Fifteen 8-foot, Forty-two 18-foot, Two 30-foot, and Fourteen 42-foot mist nets
(193 Net/Trap Hours Total)

<i>Antrozous pallidus</i> , pallid bat	13 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	3 females (1p, 2l)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	4 (3 females (2p, 1nr), 1 male)
<i>Eptesicus fuscus</i> , big brown bat	109 (3 females (p), 104 males, 2 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	8 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	43 males
<i>Lasiurus blossevillii</i> , western red bat	8 females (3p, 2l, 3nr)
<i>Lasiurus cinereus</i> , hoary bat	40 males
<i>Leptonycteris curasoae</i> , lesser long-nosed bat	2 males
<i>Myotis</i> sp. unknown myotis species	1 unknown
<i>Myotis auriculus</i> , southwestern myotis	71 (44 females (30p, 10l, 4nr), 26 males, 1 unknown)
<i>Myotis californicus</i> , California myotis	144 (39 females (19p, 10l, 10nr), 105 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	31 (4 females (2p, 2nr), 26 males, 1 unknown)
<i>Myotis californicus/ciliolabrum</i> , California/small-footed unk.	1 unknown
<i>Myotis thysanodes</i> , fringed myotis	35 (16 females (7p, 2l, 1pl, 6nr), 18 males, 1 unk.)
<i>Myotis velifer</i> , cave myotis	7 males
<i>Myotis volans</i> , long-legged myotis	19 (6 females (4p, 2nr), 13 males)
<i>Nyctinomops femorosaccus</i> , pocketed free-tailed bat	2 (1 female (nr), 1 male)
<i>Nyctinomops macrotis</i> , big free-tailed bat	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	70 (1 female (l), 68 males, 1 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	98 (38 females (34p, 2l, 2nr), 60 males)
Total species	= 19
Total individuals	= 710

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Disposition of Mortalities:
 Royal Ontario Museum, Mammal Collection, 100 Queens Park, Toronto, Ontario M5S 2C6, CANADA