

2002 BCI Bat Conservation and Management Workshop Portal, AZ

AZ: Cochise County, Coronado National Forest, Chiricahua Mountains, Cave Creek Canyon and Vicinity

Summary of Capture Data

Session I – 29 May thru 3 June 2002

Day 01: 30 May 2002

Location #1: Idlewilde Campground. Start Time: 1930, End Time; 2130 (Start Temp: 74F, End Temp: 69F)

Site #1: Two 18-foot mist nets set in a V-formation across small still pools in stream 4-feet by 5-feet long close to campground entrance.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 female (l)
<i>Eptesicus fuscus</i> , big brown bat	3 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	4 males
<i>Myotis californicus</i> , California myotis	4 (2 females (1l, 1nr), 2 males)
<i>Myotis velifer</i> , cave myotis	3 females (nr)
<i>Myotis thysanodes</i> , fringed myotis	2 males
Total species =	8
Total individuals =	19

Site #2: One 8-foot and two 18-foot mist nets over three separate, small pools in creek just upstream from Site #1.

<i>Antrozous pallidus</i> , pallid bat	3 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 female (l)
<i>Eptesicus fuscus</i> , big brown bat	11 males
<i>Idionycteris phyllotis</i> , Allen's big-eared bat	2 males
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	3 (1 female (nr), 1 male, 1 unknown)
<i>Myotis californicus</i> , California myotis	7 (4 females (2 p, 2nr), 3 males)
<i>Myotis ciliolabrum</i> , small-footed myotis	2 males
<i>Myotis velifer</i> , cave myotis	1 unknown
<i>Myotis volans</i> , long-legged myotis	3 males
<i>Pipistrellus hesperus</i> , western pipistrelle	4 males
Total species =	11
Total individuals =	38

Site #3: One 30-foot and one 18-foot mist net set over still pool in creek 10-feet wide by 15-feet long with a swoop zone of 12 feet by 20 feet at site of big rock, upstream from Site #2.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	2 female (p)
<i>Eptesicus fuscus</i> , big brown bat	7 males
<i>Idionycteris phyllotis</i> , Allen's big-eared bat	3 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	3 males
<i>Lasiurus cinereus</i> , hoary bat	3 males
<i>Myotis auriculus</i> , southwestern myotis	3 females (1p, 2nr)
<i>Myotis californicus</i> , California myotis	6 (2 females (p), 4 males)
<i>Myotis velifer</i> , cave myotis	1 male
<i>Myotis volans</i> , long-legged myotis	4 (1 female (nr), 3 males)
<i>Myotis thysanodes</i> , fringed myotis	4 (1 female (p), 3 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	3 males
Total species =	12
Total individuals =	40

p = pregnant *l* = lactating, *pl* = post lactating, *nr* = non-reproductive
All males listed are assumed non-reproductive, unless otherwise noted

Site #4: One large Ausbat Harp Trap set at bend in creek over small water just upstream from Site #3.

<i>Cheronycteris 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	1 male
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 male
<i>Lasiurus blossevillii</i> , western red bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	1 female (p)
<i>Myotis californicus</i> , California myotis	8 (3 females (nr), 5 males)
<i>Myotis velifer</i> , cave myotis	1 male
<i>Myotis volans</i> , long-legged myotis	2 males
<i>Myotis thysanodes</i> , fringed myotis	3 (2 females (nr), 1 male)
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species =	12
Total individuals =	23

Day 02: 31 May 2002

Location #1: South Fork of Cave Creek Canyon. Start Time: 1930, End Time: 2200. Start Temp: 74F, End Temp: 69F.

Site #1: One 8-foot and one 18-foot mist net set over each end of a small pool (6-feet wide by 12-feet long) in stream with much over-hanging vegetation and a swoop zone of 6-feet by 20 feet.

<i>Antrozous pallidus</i> , pallid bat	9 males
<i>Cheronycteris 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	2 males
<i>Idionycteris phyllotis</i> , Allen's big-eared bat	5 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	2 males
<i>Lasiurus blossevillii</i> , western red bat	2 (1 female (p), 1 male)
<i>Lasiurus cinereus</i> , hoary bat	4 males
<i>Myotis auriculus</i> , southwestern myotis	11 (7 females (6p, 1nr), 3 males, 1 unknown)
<i>Myotis californicus</i> , California myotis	11 (6 females (3p, 3nr), 4 males, 1 unknown)
<i>Myotis thysanodes</i> , fringed myotis	2 males
<i>Myotis volans</i> , long-legged myotis	7 (2 females (nr), 5 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	3 males
Total species =	13
Total individuals =	60

Site #2: Two 30-foot nets parallel to each other over small pool and one 18-foot net over pool upstream from Site #1.

<i>Antrozous pallidus</i> , pallid bat	6 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	2 females (1l, 1nr)
<i>Eptesicus fuscus</i> , big brown bat	4 males
<i>Idionycteris phyllotis</i> , Allen's big-eared bat	2 males
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis californicus</i> , California myotis	8 (2 females (nr), 6 males)
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	8 males
Total species =	8
Total individuals =	33

Site #3: One large Ausbat harp trap set upstream from Site #2 and just downstream from the water over the road under overhanging cypress vegetation.

<i>Antrozous pallidus</i> , pallid bat	4 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	2 (1 female (p), 1 male)
<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Myotis auriculus</i> , southwestern myotis	4 (3 females (2p, 1nr), 1 male)
<i>Myotis californicus</i> , California myotis	24 (2 females (nr), 21 males, 1 unknown)
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Myotis volans</i> , long-legged myotis	5 (2 females (nr), 3 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species =	8
Total individuals =	44

p = pregnant l = lactating, pl = post lactating, nr = non-reproductive
All males listed are assumed non-reproductive, unless otherwise noted

Site #4: One 30-foot mist net set up stream from the water over the road under overhanging cypress vegetation.

<i>Idionycteris phyllotis</i> , Allen's big-eared bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculatus</i> , southwestern myotis	2 females (p)
<i>Myotis californicus</i> , California myotis	1 male
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	3 males
Total species =	7
Total individuals =	10

Day 03: 01 June 2002

Location #1: Silver Creek drainage between Portal and Paradise. Start Time: 1930 End Time: 2200. Start Temp: 83F, End Temp: 79F.

Site #1: One large Austbat Harp Trap set in dry creek opposite water-for-wildlife tank, under over-hanging sycamore limb and between high banks with locust flanking trap.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis californicus</i> , California myotis	12 (3 females (2p, 1nr), 9 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	2 (1 female (nr), 1 male)
<i>Myotis volans</i> , long-legged myotis	1 male
Total species =	7
Total individuals =	21

Site #2: One 18-foot mist net and one 30-foot mist net set in V-formation over water-for-wildlife tank..

<i>Antrozous pallidus</i> , pallid bat	2 males
<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis californicus</i> , California myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	5 (3 females (1p, 2nr), 1 male, 1 unknown)
Total species =	6
Total individuals =	12

Site #3: One 18-foot mist net set over small amount of water in stream (5x25 foot pool w/swoop zone of 15x50 feet), about 100-yards up from Site #2, under cypress vegetation.

<i>Antrozous pallidus</i> , pallid bat	3 (1 female (nr), 2 males)
<i>Eptesicus fuscus</i> , big brown bat	3 males
<i>Lasiurus cinereus</i> , hoary bat	7 (5 males, 2 unknown)
<i>Myotis californicus</i> , California myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	3 (1 female (p), 2 males)
Total species =	5
Total individuals =	18

Location #2: Willow Tank off State-line Road (wetland habitat in lowland desert). Start Time: 2000, End Time: 2130. Start Temp: 89F, End Temp: 79F.

Site #1: Three 42-foot mist nets set in a spoke-formation from center of wetland area out to edges.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	3 males
<i>Nyctinomops femorosaccus</i> , pocketed free-tailed bat	2 females (1p, 1nr)
<i>Nyctinomops macrotis</i> , big free-tailed bat	1 female (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	11 (4 females (nr), 6 males, 1 unknown)
Total species =	5
Total individuals =	18

Day 04: 2 June 2002 — 1930-2200 Start Temp: 76F End Temp: 64F
 Location #1 SWRS Pool: One 18-foot net, two 42-foot nets, and one 30-foot net set in a box set surrounding the pool with the 30-foot net across the shallow end.

<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male
<i>Lasiurus blossevillii</i> , red bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		2 males
<i>Pipistrellus hesperus</i> , western pipistrelle		2 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		40 (12 females (nr), 28 males)
	Total species =	5
	Total individuals =	46

Site #2: Creek behind SWRS. One 18-foot and one 8-foot mist nets set in a V formation over small pool in creek.

<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male
	Total species =	2
	Total individuals =	2

Site #3: One Large Ausbat harp trap set over pool in stream near bridge.

<i>Lasiurus blossevillii</i> , western red bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Myotis californicus</i> , California myotis		4 (1 female (p), 3 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis		1 female (p)
	Total species =	4
	Total individuals =	7

Summary of Capture Results — Session I: 29 May thru 03 June 2002
3 Eight-foot Mist Nets, 10 Eighteen-foot Mist Nets, 6 Thirty-foot Mist Nets, 5 Forty-two-foot Mist
Nets and 4 Large AustBat Harp Traps
(63 net/trap-hours total)

<i>Antrozous pallidus</i> , pallid bat		31 (1 female (nr), 30 males)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		4 females (p)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		8 (6 females (5l, 1nr), 2 males)
<i>Eptesicus fuscus</i> , big brown bat		36 males
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat		14 males
<i>Lasionycteris noctivagans</i> , silver-haired bat		9 males
<i>Lasiurus blossevillii</i> , western red bat		5 (1 female (p), 4 males)
<i>Lasiurus cinereus</i> , hoary bat		33 (31 males, 2 unknown)
<i>Myotis auriculus</i> , southwestern myotis		24 (17 females (12p, 5nr), 5 males, 2 unknown)
<i>Myotis californicus</i> , California myotis		88 (25 females (10p, 1l, 14nr), 61 males, 2 unk)
<i>Myotis ciliolabrum</i> , western small-footed myotis		4 (1 female (p), 3 males)
<i>Myotis thysanodes</i> , fringed myotis		14 (4 females (1p, 3nr), 10 males)
<i>Myotis velifer</i> , cave myotis		6 (3 females (nr), 2 males, 1 unknown)
<i>Myotis volans</i> , long-legged myotis		24 (5 females (nr), 19 males)
<i>Nyctinomops femorosaccus</i> , pocketed free-tailed bat		2 females (1p, 1nr)
<i>Nyctinomops macrotis</i> , big free-tailed bat		1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		36 (4 females (2p, 2nr), 31 males, 1 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		51 (16 females (nr), 34 males, 1 unknown)
	Total species =	18
	Total individuals =	390

Session II – 3 thru 8 June 2002

Day 01: 04 June 2002

Location #1: Lower Cave Creek up stream from Stewart Bridge. Start Time: 1930, End Time: 2200. Start Temp: 65F, End Temp 55F

Site #1: One 18-foot mist net set over small pool near fallen tree and three 8-foot mist nets set in a parallel configuration, about 6-8 feet apart, 10-yards up stream covering a total swoop zone of 250 feet by 10 feet.

<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Idionycteris phyllotis</i> , Allen's big-eared bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	2 (1 male, 1 unknown)
<i>Myotis auriculus</i> , southwestern myotis	4 (2 females (1p, 1nr), 1 male, 1 unknown)
<i>Myotis californicus</i> , California myotis	3 (2 females (1p, 1nr), 1 male)
<i>Myotis velifer</i> , cave myotis	4 males
<i>Myotis volans</i> , long-legged myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	12 males
Total species =	9
Total individuals =	31

Site #2: One large Ausbat harp trap set up stream from Site #1 over a still pool in stream with a swoop zone of 10' x 30' and overhanging vegetation and encroaching willows.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	6 (5 females (3p, 2nr), 1 male)
<i>Myotis californicus</i> , California myotis	19 (3 females (1l, 2nr), 16 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis velifer</i> , cave myotis	1 female (nr)
<i>Myotis volans</i> , long-legged myotis	5 (1 female (nr), 4 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	5 males
Total species =	7
Total individuals =	38

Site #3: Two 18-foot mist net set about 50-meters downstream from Site #2 over a still pool in stream 6' x 5' with a swoop zone of 18' x 50'.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	4 males
<i>Myotis auriculus</i> , southwestern myotis	1 male
<i>Myotis californicus</i> , California myotis	1 female (nr)
Total species =	4
Total individuals =	7

Site #4: One 8-foot mist net set about 60-meters down stream from site #3 over still pool at bend in stream 6' x 20' with a swoop zone of 6' x 50'.

<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 californicus</i> , California myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	3 males
Total species =	5
Total individuals =	7

Site #5: One 18-foot mist net set over still pool in stream about 70-meters down stream from Site #4 6' x 25' with a swoop zone of 6' x 60'

<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Myotis californicus</i> , California myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	3 males
Total species =	4
Total individuals =	6

Day 02: 05 June 2002 — 1930-2200 Start Temp: 70F End Temp: 55F
 Location #1: Upper Cave Creek downstream from Cazier's Bridge
 Site #1: Three 18-foot mist nets set in a parallel configuration over a 5x15-foot pool with a 90x125-foot swoop zone and an 8-foot net set nearby under a cypress tree with nice overhang.

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Lasiorycteris noctivagans</i> , silver-haired bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis auriculus</i> , southwestern myotis	2 females (p)
<i>Myotis californicus</i> , California myotis	1 female (nr)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male
Total species	= 8
Total individuals	= 11

Site #2: Two 18-foot mist nets set in a parallel formation over a still pool in stream about 25-yards down stream from Site #1 and a single 18-foot mist net set about 10-yards further.

<i>Lasiurus cinereus</i> , hoary bat	3 males
<i>Myotis velifer</i> , cave myotis	1 male
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male
Total species	= 5
Total individuals	= 8

Site #3: One large Austbat Harp trap set over small amount of water, between and under overhanging vegetation about 20-yards down stream from site #1.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	3 females (1p, 2nr)
<i>Myotis californicus</i> , California myotis	8 (4 females (1p, 3nr), 4 males)
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Myotis velifer</i> , cave myotis	3 (1 female (nr), 2 males)
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species	= 7
Total individuals	= 18

Day 03: 6 June 2002 – Start Time 1930; End Time: 2200. Start Temp: 74F, End Temp 74F.

Location #1 Portal Preserve

Site #1 Three 18-foot mist nets set under vegetation; one over water, two over dry stream bed.

<i>Antrozous pallidus</i> , pallid bat	4 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (l)
<i>Eptesicus fuscus</i> , big brown bat	6 (1 female (nr), 5 males)
<i>Lasiurus blossevillii</i> , western red bat	3 (2 females (1l, 1nr), 1 male)
<i>Myotis californicus</i> , California myotis	3 males
<i>Myotis ciliolabrum</i> , western small footed myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	2 females (nr)
<i>Myotis velifer</i> , cave myotis	1 male
<i>Myotis volans</i> , long-legged myotis	2 (1 female (nr), 1 male)
Total species	= 9
Total individuals	= 26

Site #2: One 8 foot net over 10x20-foot pool in stream and one 18-foot net over dry creek bed opposite, plus one 30-foot mist net over dry creek bed parallel to first net, about 10 feet down stream, upstream from Site #1.

<i>Antrozous pallidus</i> , pallid bat	2 males
<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Myotis californicus</i> , California myotis	2 males
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male
Total species	= 6
Total individuals	= 9

Site #3: Two 8-foot nets set parallel over a small pool in stream under overhanging vegetation, plus one 18-foot net set across dry stream at the 2nd 8-foot net, set about 25-yards upstream from Site #2.

<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	4 males
<i>Myotis thysanodes</i> , fringed myotis	2 females (p)
<i>Myotis velifer</i> , cave myotis	2 (1 female (nr), 1 male)
<i>Pipistrellus hesperus</i> , western pipistrelle	3 (1 female (p), 2 males)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male
Total species =	6
Total individuals =	14

Site #4: One large Ausbat harp trap set under sycamore tree between vegetation before deep pool in stream about 50-yards upstream from Site #3.

<i>Antrozous pallidus</i> , pallid bat	2 males
<i>Eptesicus fuscus</i> , big-brown bat	4 males
<i>Myotis auriculus</i> , southwestern myotis	4 (3 females (p), 1 male)
<i>Myotis californicus</i> , California myotis	30 (7 females (3p, 4nr), 23 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	2 males
<i>Myotis thysanodes</i> , fringed myotis	3 (1 female (nr), 2 males)
<i>Myotis velifer</i> , cave myotis	7 males
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species =	8
Total individuals =	53

Day 04: 7 June 2002

Location #1: Willow Tank, State Line Rd. Start Time: 1950, End Time: 2140. Start Temp: 81F, End Temp: 76F.

Site #1: Three 42-foot mist nets in spoke formation from center of water.

<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	5 (1 female (nr), 4 males)
Total species =	3
Total individuals =	8

Location #2: Silver Creek. Start Time: 1930, End Time: 2230. Start Temp: 77F, End Temp: 67F.

Site #1: One large Ausbat harp trap set in dry creek at bend about 50-yards upstream from parking area under overhanging vegetation.

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Myotis californicus</i> , California myotis	11 (1 female (p), 10 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Myotis volans</i> , long-legged myotis	3 (1 females (nr), 2 males)
Total species =	4
Total individuals =	17

Site #2: One 18-foot mist net set over small pool in creek near parking area.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	5 (2 females (1p, 1nr), 2 males, 1 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	6 (5 females (p), 1 male)
Total species =	4
Total individuals =	13

Site #3: One 18-foot net and one 30-foot net set in a V formation over water for wildlife tank.

<i>Antrozous pallidus</i> , pallid bat	2 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	2 females (1p, 1nr)
<i>Myotis auriculus</i> , southwestern myotis	1 female (p)
<i>Myotis californicus</i> , California myotis	3 females (nr)
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	6 (1 female (nr), 5 males)
Total species =	7
Total individuals =	16

Summary of Capture Results — Session II: 03 June thru 08 June 2002
8 Eight-foot Mist Nets, 17 Eighteen-foot Mist Nets, 2 Thirty-foot Mist Nets, 3 Forty-two-foot Mist
Nets and 4 Large AustBat Harp Traps
(84 net/trap-hours total)

<i>Antrozous pallidus</i> , pallid bat	15 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	2 females (l)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	30 (5 females (2p, 3nr), 24 males, 1 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	4 males
<i>Lasiurus blossevillii</i> , western red bat	3 (2 females (1l, 1nr), 1 male)
<i>Lasiurus cinereus</i> , hoary bat	8 (7 males, 1 unknown)
<i>Myotis auriculus</i> , southwestern myotis	25 (20 females (11p, 9nr), 4 males, 1 unknown)
<i>Myotis californicus</i> , California myotis	83 (18 females (6p, 1l, 11nr), 65 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	7 males
<i>Myotis thysanodes</i> , fringed myotis	12 (5 females (2l, 3nr), 7 males)
<i>Myotis velifer</i> , cave myotis	19 (3 females (nr), 16 males)
<i>Myotis volans</i> , long-legged myotis	14 (3 females (nr), 11 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	47 (7 females (6p, 1nr), 40 males)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	9 (1 female (nr), 8 males)
Total species =	16
Total individuals =	280

Session III – 8 thru 13 June 2002

Day 01: 9 June 2002 — 1930-2200: Start Temp 73F, End Temp 69F

Location #1: Lower Cave Creek from Idlewilde Campground to Stewart.

Site #1: One 18-foot mist net and one 30-foot mist net set in a V-formation across deep still pool 6x20 feet with a swoop zone of 10x20 feet near the back of Stewart.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	4 (3 females (l), 1 male)
<i>Eptesicus fuscus</i> , big brown bat	15 males
<i>Lasiurus blossevillii</i> , western red bat	1 female (p)
<i>Myotis auriculus</i> , southwestern myotis	2 females (nr)
<i>Myotis californicus</i> , California myotis	7 (2 females (nr), 5 males)
<i>Myotis thysanodes</i> , fringed myotis	7 (1 female (nr), 6 males)
<i>Myotis velifer</i> , cave myotis	1 male
<i>Myotis volans</i> , long-legged myotis	4 (2 female (nr), 2 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	6 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	2 females (nr)
Total species =	11
Total individuals =	51

Site #2: Two 18-foot mist nets set in a V-formation over a 6x13 foot pool and one 8-foot mist net over a 5x8-foot pool about 20-feet away with a swoop zone of 6x40 feet about 75-feet downstream from Site #1.

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Idionycteris phyllotis</i> , Allen's big-eared bat	1 male
<i>Lasiurus blossevillii</i> , western red bat	2 (1 male, 1 unknown)
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis californicus</i> , California myotis	4 males
<i>Myotis velifer</i> , cave myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species =	7
Total individuals =	11

Site #3: Two 18-foot mist nets set in a V-formation over small pool in creek about 50-feet downstream from Site #2.

<i>Antrozous pallidus</i> , pallid bat	3 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	3 females (2l, 1nr)
<i>Eptesicus fuscus</i> , big brown bat	11 males
<i>Lasiurus blossevillii</i> , western red bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	1 female (p)
<i>Myotis californicus</i> , California myotis	3 males
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis velifer</i> , cave myotis	2 males
<i>Myotis volans</i> , long-legged myotis	1 unknown
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	2 males
Total species =	12
Total individuals =	31

Site #4: One large Ausbat Harp Trap set over dry creek bed, under overhanging and between encroaching vegetation, about 200-yards down stream from Site #3, right upstream from entrance to Idlewilde campground.

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	1 female (p)
<i>Myotis californicus</i> , California myotis	18 (5 females (1p, 5nr), 13 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	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	3 males
Total species =	7
Total individuals =	27

Day 02: 10 June 2002 — Start Time: 1930 End Time: 2200 — Start Temp: 73F End Temp: 65F

Location #1: South Fork, downstream from water over the road site.

Site #1: Two 18-foot mist nets set parallel over small pool 3' x 30' with a swoop zone of 12' x 50'.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	3 (1 female (p), 2 males)
<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Idionycteris phyllotis</i> , Allen's big-eared bat	1 male
<i>Lasiurus blossevillii</i> , western red bat	1 female (p)
<i>Myotis auriculus</i> , southwestern myotis	14 females (13p, 1l)
<i>Myotis californicus</i> , California myotis	4 males
<i>Myotis thysanodes</i> , fringed myotis	1 female (l)
<i>Myotis volans</i> , long-legged myotis	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species =	10
Total individuals =	30

Site #2: One large Ausbat Harp trap set about 75-feet upstream from Site #1, under vegetation and between overhanging trees.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (l)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	2 males
<i>Idionycteris phyllotis</i> , Allen's big-eared bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	4 females (p)
<i>Myotis californicus</i> , California myotis	29 (4 females (nr), 24 males, 1 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis	2 males
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Myotis volans</i> , long-legged myotis	6 (1 female (nr), 5 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	4 males
Total species =	10
Total individuals =	51

Site #3: Two 18-foot nets and one 42-foot net arranged in a Z-formation over pools in stream over a 3x50-foot section of water with a swoop-zone of 15x100 feet, about 150-feet up stream from site #2.

<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	2 males
<i>Myotis auriculus</i> , southwestern myotis	4 (2 females (l), 2 males)
<i>Myotis californicus</i> , California myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis'	2 (1 female (nr), 1 male)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species =	7
Total individuals =	14

Site #4: Two 18-foot nets set parallel about 6-feet apart over pool (4' x 18') upstream from Site #3.

<i>Antrozous pallidus</i> , pallid bat	2 (1 male, 1 unknown)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 female (l)
<i>Eptesicus fuscus</i> , big brown bat	3 males
<i>Idionycteris phyllotis</i> , Allen's big-eared bat	4 males
<i>Myotis auriculus</i> , southwestern myotis	1 male
<i>Myotis californicus</i> , California myotis	4 males
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species =	7
Total individuals =	17

Site #5: One 18-foot net over 4x4' pool with unlimited swoop zone, 100-meters downstream from site #4.

<i>Antrozous pallidus</i> , pallid bat	3 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 female (p)
<i>Eptesicus fuscus</i> , big brown bat	4 (1 female (nr), 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 thysanodes</i> , fringed myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species =	7
Total individuals =	15

Day 03: 11 June 2002 — 1915-2215 Start Temp: 79F End Temp: 64F

Location #1: Lower Cave Creek, upstream from Stewart Bridge

Site #1: One large Ausbat Harp Trap set between and under vegetation over mostly dry section of creek.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	4 (3 females (p), 1 male)
<i>Myotis californicus</i> , California myotis	39 (10 females (5p, 5nr), 29 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	5 (2 females (p), 3 males)
<i>Myotis thysanodes</i> , fringed myotis	3 males
<i>Myotis velifer</i> , cave myotis	4 males
<i>Myotis volans</i> , long-legged myotis	11 (2 females (l), 9 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	8 males
Total species =	9
Total individuals =	76

Site #2: One 8-foot net attached to side of Trap at Site #1 and one 30-foot net set about 75' down stream from Site #1 over long, still pool in stream about 8x12 feet with a swoop zone of 8x125 feet.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 female (nr)
<i>Eptesicus fuscus</i> , big brown bat	3 males
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	2 females (1p, 1nr)
<i>Myotis californicus</i> , California myotis	6 (2 females (p), 4 males)
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Myotis velifer</i> , cave myotis	2 (1 female (p), 1 male)
<i>Pipistrellus hesperus</i> , western pipistrelle	4 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	4 (2 females (nr), 2 males)
Total species =	9
Total individuals =	24

Site #3: One 8-foot mist net and one 18-foot mist net set over two small pools in the stream (5x10' and 7x20' respectively) about 60-feet apart and about 150 feet downstream from site #2.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (l)
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	2 females (p)
<i>Myotis californicus</i> , California myotis	5 (1 female (nr), 4 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis volans</i> , long-legged myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	7 males
Total species =	7
Total individuals =	19

Site #4: Two 18-foot mist nets set between encroaching willows in a parallel configuration about 6 feet apart over small pool (3x15') in stream with unlimited swoop zone.

<i>Antrozous pallidus</i> , pallid bat	2 males
<i>Eptesicus fuscus</i> , big brown bat	3 males
<i>Idionycteris phyllotis</i> , Allen's big-eared bat	1 male
<i>Lasiurus blossevillii</i> , western red bat	2 (1 female (l), 1 unknown)
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Leptonycteris yerbabuena</i> , northern long-nosed bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	10 (8 females (2p, 6l), 1 male, 1 unknown)
<i>Myotis californicus</i> , California myotis	8 (2 females (1l, 1nr), 5 males, 1 unknown)
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Myotis velifer</i> , cave myotis	1 male
<i>Myotis volans</i> , long-legged myotis	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	11 (10 males, 1 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	3 females (p)
Total species =	13
Total individuals =	45

Day 04: 12 June 2002 — 1930-2200 Start Temp: 76F End Temp: 66F

Location #1: SWRS Pool, One 18-foot mist net, two 42-foot mist nets and one 30-foot mist net set in a box around pool with 30-foot net over shallow end.

<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	70 (14 females (9p, 5nr), 56 males)
Total species =	3
Total individuals =	74

Location #2: SWRS creek behind meadow.

Site #1 Two 18-foot mist nets set over small pool in creek (6x5').

<i>Idionycteris phyllotis</i> , Allen's big-eared bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis auriculus</i> , southwestern myotis	1 male
<i>Myotis californicus</i> , California myotis	2 (1 female (l), 1 male)
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male
Total species =	6
Total individuals =	8

Site #2: One large Ausbat Harp trap set in creek between vegetation

Total species =	0
Total individuals =	0

Summary of Capture Results — Session III: 08 June thru 13 June 2002
3 Eight-foot Mist Nets, 18 Eighteen-foot Mist Nets, 3 Thirty-foot Mist Nets, 3 Forty-two-foot Mist
Nets and 4 Large AustBat Harp Traps
(81 net/trap–hours total)

<i>Antrozous pallidus</i> , pallid bat	12 (11 males, 1 unknown)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	2 females (l)
<i>Corynorhinus rafinesquii</i> , Rafinesque's big-eared bat	15 (5 males, 10 females (1p, 7l, 2nr))
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	11 males
<i>Lasiurus blossevillii</i> , western red bat	7 (2 males, 3 females (2p, 1l), 2 unknowns)
<i>Lasiurus cinereus</i> , hoary bat	9 males
<i>Leptonycteris yerbabuena</i> , northern long-nosed bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	47 (39 females (27p, 9l, 3nr), 7 males, 1 unknown)
<i>Myotis californicus</i> , California myotis	125 (26 females (8p, 2l, 16r), 97 males, 2 unknowns)
<i>Myotis ciliolabrum</i> , western small-footed myotis	11 (2 females (p), 9 males)
<i>Myotis thysanodes</i> , fringed myotis	17 (3 females (1l, 2nr), 14 males)
<i>Myotis velifer</i> , cave myotis	12 (1 female (p), 11 males)
<i>Myotis volans</i> , long-legged myotis	30 (7 females (2l, 5nr), 22 males, 1 unknown)
<i>Pipistrellus hesperus</i> , western pipistrelle	50 (49 males, 1 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	82 (21 females (12p, 9nr), 61 males)
Total species	= 16
Total individuals	= 473

Summary of Capture Results – All Sessions: 29 May thru 13 June 2002
14 Eight-foot Mist Nets, 45 Eighteen-foot Mist Nets, 11 Thirty-foot Mist Nets, 11 Forty-two-foot Mist
Nets and 12 Large AustBat Harp Traps
(228 net/trap–hours total)

<i>Antrozous pallidus</i> , pallid bat	58 (1 female (nr), 56 males, 1 unknown)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	8 females (4p, 4l)
<i>Corynorhinus rafinesquii</i> , Rafinesque's big-eared bat	24 (16 females (2p, 11l, 3nr), 8 males)
<i>Eptesicus fuscus</i> , big brown bat	108 (5 females (2p, 3nr), 102 males, 1 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	26 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	13 males
<i>Lasiurus blossevillii</i> , western red bat	15 (6 females (3p, 2l, 1nr), 7 males, 2 unknown)
<i>Lasiurus cinereus</i> , hoary bat	50 (47 males, 3 unknown)
<i>Leptonycteris yerbabuena</i> , northern long-nosed bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	96 (76 females (50p, 9l, 17nr), 16 males, 4 unknown)
<i>Myotis californicus</i> , California myotis	296 (69 females (24p, 4l, 41nr), 223 males, 4 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis	22 (3 females (p), 19 males)
<i>Myotis thysanodes</i> , fringed myotis	43 (12 females (1p, 3l, 8nr), 31 males)
<i>Myotis velifer</i> , cave myotis	37 (7 females (1p, 6nr), 29 males, 1 unknown)
<i>Myotis volans</i> , long-legged myotis	68 (15 females (2l, 13 nr) 52 males, 1 unknown)
<i>Nyctinomops femorosaccus</i> , pocketed free-tail bat	2 females (1p, 1nr)
<i>Nyctinomops macrotis</i> , big free-tailed bat	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	133 (11 females (8p, 3nr), 120 males, 2 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	142 (38 females (12p, 26nr), 103 males, 1 unknown)
Grand Total Species	= 19
Grand Total Individuals	= 1143

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