

**2000 BCI Bat Conservation and Management Workshop
Portal, AZ**

AZ: Cochise County, Coronado National Forest, Chiricahua Mountains

Summary of Capture Data

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Session I

Day 01: 17 May 2000

Location #1: Upstream 1/4-mile from Stewart Bridge; Start Time: 1915, End Time: 2130 (Start Temp: 67F, End Temp: 53F)

Site #1: One 18-foot mist net set across small still pool in stream 10-feet by 20-feet long at the first site upstream from bridge.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	1 female (nr)
<i>Myotis auriculus</i> , southwestern myotis	1 female (nr)
<i>Myotis californicus</i> , California myotis	3 males
<i>Myotis velifer</i> , cave myotis	1 male
Total species =	5
Total individuals =	7

Site #2: One large Austbat Harp Trap set just upstream from Site #1 over small bit of water in creek, between encroaching vegetation, covered from above.

<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	1 female (nr)
<i>Myotis californicus</i> , California myotis	11 (4 females (nr), 7 males)
<i>Myotis ciliolabrum</i> , small-footed myotis	2 (1 female (nr), 1 male)
<i>Myotis velifer</i> , cave myotis	2 (1 female (nr), 1 male)
<i>Myotis volans</i> , long-legged myotis	4 (2 females (nr), 2 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species =	7
Total individuals =	22

Site #3: Two 18-foot mist nets set over still pools in stream, just upstream from Site #2, about 20-meters apart.

<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	2 (1 female (nr), 1 male)
<i>Myotis californicus</i> , California myotis	1 female (p?)
<i>Myotis velifer</i> , cave myotis	2 females (p)
<i>Myotis volans</i> , long-legged myotis	3 (1 female (nr), 2 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	2 males
Total species =	9
Total individuals =	15

Site #4: One 18-foot mist net set over still pool in the stream about 7 feet wide by 12 feet long.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	2 males
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	6 females (nr)
<i>Myotis californicus</i> , California myotis	5 (1 female (nr), 4 males)
<i>Myotis velifer</i> , cave myotis	1 male
<i>Myotis volans</i> , long-legged myotis	2 (1 female (nr), 1 male)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species =	9
Total individuals =	20

Day 02: 18 May 2000 — 1930-2130
 Location #1: Stewart Bridge, downstream side. Start temp: 66F, End Temp: 57F. Clear and calm
 Site #1: One 18-foot net across east end of bridge, blocking entire flyway and one 30-foot net set parallel about 8-feet downstream from bridge.

<i>Antrozous pallidus</i> , pallid bat	2 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 male
<i>Myotis californicus</i> , California myotis	5 (1 female (nr), 4 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	2 females (nr)
<i>Myotis velifer</i> , cave myotis	1 male
<i>Myotis volans</i> , long-legged myotis	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	6 males
Total species =	7
Total individuals =	18

Location #2: Creek locations between the back end of Stewart and Idlewild campgrounds. Start Temp: 69F, End Temp: 57

Site #2: One Large Austbat Harp Trap set at bend in creek between and under encroaching vegetation over dry creek bed.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	1 unknown
<i>Myotis auriculus</i> , southwestern myotis	2 males
<i>Myotis californicus</i> , California myotis	6 (1 female (nr), 5 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	8 (1 female (nr), 6 males, 1 unknown)
<i>Myotis velifer</i> , cave myotis	4 (2 females (nr), 2 males)
<i>Myotis volans</i> , long-legged myotis	3 males
Total species =	7
Total individuals =	25

Site #3: One 18-foot mist net and one 8-foot mist net set just downstream from trap.

<i>Antrozous pallidus</i> , pallid bat	5 males
<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Myotis californicus</i> , California myotis	3 males
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 female (nr)
<i>Myotis velifer</i> , cave myotis	2 females (nr)
<i>Myotis volans</i> , long-legged myotis	9(4 females (3nr, 1p), 5 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	6 (5 males, 1 unknown)
Total species =	7
Total individuals =	28

Site #4: Two 18-foot mist nets set down stream from Site #3 about 20 meters apart over separate small still pools in creek 7' x 12' and 8' x 8' with a swoop zone of 10' x 30'.

<i>Antrozous pallidus</i> , pallid bat	6 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	2 females (nr), 1 with bad parasites
<i>Eptesicus fuscus</i> , big brown bat	5 (1 female (nr), 4 males)
<i>Lasiurus blossevillii</i> , western red bat	2 (1 female (nr), 1 male)
<i>Lasiurus cinereus</i> , hoary bat	3 males
<i>Myotis auriculus</i> , southwestern myotis	2 females (nr)
<i>Myotis californicus</i> , California myotis	2 males
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Myotis velifer</i> , cave myotis	4 (2 females (nr), 1 male, 1 unknown)
<i>Myotis volans</i> , long-legged myotis	12 (5 females (nr), 7 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species =	11
Total individuals =	41

Day 03: 19 May 2000

Location #1: Silver Creek drainage between Portal and Paradise. Start Time: 1930 End Time: 2130. Start Temp: 65F, End Temp: 58F.

Site #1: One large Austbat Harp Trap and one 18-foot mist net set end to end about 60 meters downstream from the water tank. (Just one *Myotis volans* caught in net, everything else was trap-caught.)

<i>Myotis auriculus</i> , southwestern myotis	1 male
<i>Myotis californicus</i> , California myotis	3 (1 female (nr), 2 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	5 (3 females (1p, 2nr), 2 males)
<i>Myotis thysanodes</i> , fringed myotis	1 unknown
<i>Myotis volans</i> , long-legged myotis	3 females (2p, 1nr)
Total species =	5
Total individuals =	13

Site #2: One 18-foot mist net set in an L-shape about 50-meters downstream over water.

Myotis volans, long legged myotis 2 males
Total species = 1
Total individuals = 2

Site #3: Two 18-foot mist nets set in a V-formation over the water-for-wildlife tank on the creek bank.

Antrozous pallidus, pallid bat 1 male
Myotis auriculus, southwestern myotis 2 males
Myotis californicus, California myotis 3 (1 female (nr), 2 males)
Myotis ciliolabrum, western small-footed myotis 2 females (nr)
Myotis thysanodes, fringed myotis 1 female (nr)
Myotis volans, long-legged myotis 2 females (nr)
Pipistrellus hesperus, western pipistrelle 1 male
Total species = 7
Total individuals = 12

Site #4: Two 18-foot mist nets set end-to-end and one 18-foot mist net and one 8-foot mist net set end-to-end forming a V over long narrow stretch of stream between trees and under overhanging vegetation about 80 meters upstream from Site #2.

Antrozous pallidus, pallid bat 1 male
Corynorhinus townsendii, Townsend's big-eared bat 1 female (p)
Lasiurus cinereus, hoary bat 1 male
Myotis californicus, California myotis 1 female (nr)
Total species = 4
Total individuals = 4

Day 04: 20 May 2000 — 1900-2130 Start Temp: 66F End Temp: 55F

Location #1 SWRS Pool: One Large Austbat Harp Trap, one 8-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.

Eptesicus fuscus, big brown bat 3 males
Pipistrellus hesperus, western pipistrelle 1 male
Tadarida brasiliensis, Mexican free-tailed bat 10 males
Total species = 3
Total individuals = 14

Location #2: Water under the bridge at Cazier's. One 18-foot mist net set over water under bridge

Eptesicus fuscus, big brown bat 2 males
Pipistrellus hesperus, western pipistrelle 1 male
Total species = 2
Total individuals = 3

Summary of Capture Results — Session I: 16 May thru 21 May 2000
Four large Ausbat Harp Traps, Two 8-foot, Fifteen 18-foot, Two 30-foot, and Two 42-foot mist ntes.
(54.25 Net/Trap Hours Total)

Antrozous pallidus, pallid bat 17 males
Corynorhinus townsendii, Townsend's big-eared bat 6 (3 females (1p, 2nr), 3 males)
Eptesicus fuscus, big brown bat 16 (2 females (nr), 13 males, 1 unknown)
Idionycteris phyllotis, Allen's lappet-browed bat 2 males
Lasionycteris noctivagans, silver-haired bat 1 male
Lasiurus blossevillii, western red bat 2 (1 female (nr), 1 male)
Lasiurus cinereus, hoary bat 6 males
Myotis auriculus, southwestern myotis 17 (11 females (nr), 6 males)
Myotis californicus, California myotis 43 (10 females (1p, 9nr), 20 males)
Myotis ciliolabrum, western small-footed myotis 20 (11 females (1p, 9nr), 11 males, 1 unknown)
Myotis thysanodes, fringed myotis 3 (1 female (nr), 1 male, 1 unknown)
Myotis velifer, cave myotis 17 (9 females (2 p, 7nr), 7 males, 1 unknown)
Myotis volans, long-legged myotis 41 (19 females (3 p, 16nr), 22 males)
Pipistrellus hesperus, western pipistrelle 21 (20 males, 1 unknown)
Tadarida brasiliensis, Mexican free-tailed bat 12 males
Total species = 15
Total individuals = 224

Session II

Day 01: 22 May 2000 — 1930-2130

Location #1: Upper Cave Creek down stream from Cazier's Bridge. Start Temp: 69F, End Temp 55F

Site #1: One large Austbat Harp Trap and one 18-foot mist net set flush with downstream side of bridge over water and dry creek bed.

Total species = 0
Total individuals = 0

Site #2: One 18-foot mist net set about 40-meters downstream from Site #1 over a still pool in stream 6' x 15' with a swoop zone of 10' x 30'.

<i>Lasionycteris noctivagans</i> , silver haired bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis volans</i> , long-legged myotis	1 female (nr) — mortality
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species =	4
Total individuals =	5

Site #3: One 8-foot mist net set about 50-meters downstream from Site #2 over a still pool in stream 5' x 15' with a swoop zone of 18' x 50'.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (p)
<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: 23 May 2000 — 1930-2200 Start Temp: 76F End Temp: 68F

Location #1: Cave Creek about 1/4-mile upstream from Stewart Bridge

Site #1: Two 18-foot mist nets set parallel about 6-feet apart over a small pool in the stream 3' x 12' with a swoop zone of 15' x 125' and overhanging/encroaching vegetation

<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 male
<i>Myotis californicus</i> , California myotis	2 males
<i>Myotis thysanodes</i> , fringed myotis	3 (2 females (nr), 1 male)
<i>Myotis velifer</i> , cave myotis	2 (1 male, 1 unknown)
<i>Pipistrellus hesperus</i> , western pipistrelle	8 (4 males, 4 unknown)
Total species =	8
Total individuals =	19

Site #2: One large Austbat Harp trap set over small amount of water, between and under overhanging vegetation about 100-meters upstream from site #1.

<i>Eptesicus fuscus</i> , big brown bat	3 males
<i>Idionycteris phyllootis</i> , Allen's lappet-browed 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	4 females (1p, 3nr)
<i>Myotis californicus</i> , California myotis	19 (4 females (nr), 15 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Myotis velifer</i> , cave myotis	2 (1 female (nr), 1 male)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male
Total species =	10
Total individuals =	34

Site #3: Two 18-foot mist nets set in a V-formation over a still pool in stream 7' x 100'.

<i>Antrozous pallidus</i> , pallid bat	2 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 female (nr)
<i>Eptesicus fuscus</i> , big brown bat	7 (6 males, 1 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	2 (1 male, 1 unknown)
<i>Myotis auriculus</i> , southwestern myotis	2 females (1p, 1nr)
<i>Myotis californicus</i> , California myotis	3 males
<i>Myotis ciliolabrum</i> , western small-footed myotis	3 males — 1 deceased
<i>Myotis thysanodes</i> , fringed myotis	1 female (p)
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	7 (6 males, 1 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	2 males
Total species =	12
Total individuals =	32

Site #4: Two 18-foot mist nets set parallel to each other about 6-feet apart over a pool in stream 8' x 7' with a swoop zone of 10' x 30'.

<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	5 (1 female (p), 4 males)
<i>Eptesicus fuscus</i> , big-brown bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	5 males
<i>Myotis auriculus</i> , southwestern myotis	5 (3 females (2p, 1nr), 2 males)
<i>Myotis californicus</i> , California myotis	7 males
<i>Myotis ciliolabrum</i> , western small-footed myotis	3 males
<i>Myotis thysanodes</i> , fringed myotis	2 (1 female (nr), 1 male)
<i>Myotis volans</i> , long-legged myotis	1 male
Total species =	10
Total individuals =	33

Day 03: 24 May 2000 — 1930-2200

Location #1 Idlewild campground, creek locations upstream to large rock at back end of Stewart

Site #1 One large Austbat Harp trap set over dry stream bed between and under encroaching vegetation.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	2 (1 female (nr), 1 male)
<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	1 male
<i>Myotis californicus</i> , California myotis	38 (13 females (12 nr, 1p), 24 males, 1 unknown)
<i>Myotis ciliolabrum</i> , western small footed myotis	3 males
<i>Myotis thysanodes</i> , fringed myotis	2 males
<i>Myotis velifer</i> , cave myotis	2 males
<i>Myotis volans</i> , long-legged myotis	9 (2 females (1nr, 1p), 7 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species =	10
Total individuals =	61

Site #2: Four 18-foot mist nets set along dry creek bed and slight pools in stream with one furthest down stream over dry bed below cypress branch, one 15-meters upstream, and two forming a "V" another 15-meters upstream.

<i>Antrozous pallidus</i> , pallid bat	1 male
<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	10 (2 females (nr), 8 males)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis auriculus</i> , southwestern myotis	5 (2 females (nr), 3 males)
<i>Myotis californicus</i> , California myotis	4 males
<i>Myotis thysanodes</i> , fringed myotis	3 (1 female (nr), 2 males)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male
Total species =	10
Total individuals =	29

Site #3: One 8-foot mist net and one 18-foot mist net set over two separate pools in the water upstream from last net at site #2, 8' x 20' and 8' x 12 respectively with a combined swoop zone of 10' x 50'.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (p)
<i>Eptesicus fuscus</i> , big brown bat	4 males
<i>Lasiurus cinereus</i> , hoary bat	2 (1 female (nr), 1 male)
<i>Myotis auriculus</i> , southwestern myotis	3 females (p)
<i>Myotis californicus</i> , California myotis	2 (1 female (nr), 1 male)
<i>Myotis ciliolabrum</i> , western small-footed myotis	2 males
<i>Myotis volans</i> , long-legged myotis	2 (1 female (p), 1 male)
Total species =	8
Total individuals =	17

Site #4: One 8-foot and one 18-foot mist net set over pool in stream near big rock at the back of Stewart Campground

<i>Antrozous pallidus</i> , pallid bat	4 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	2 females (p)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 male
<i>Eptesicus fuscus</i> , big-brown bat	7 males
<i>Myotis auriculus</i> , southwestern myotis	6 (4 females (3 nr, 1l), 2 males)
<i>Myotis californicus</i> , California 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 =	8
Total individuals =	25

Day 04: 25 May 2000 — 1930-2130 Start Temp 76F, End Temp 73F

Location #1: Carl Anderson Tank and Pool, Starview Road, Portal

Site #1: One 18-foot mist net over pool.

<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	5 males
Total species =	2
Total individuals =	6

Site #2: One 42-foot mist net set over earthen tank 50' x 40' with a swoop zone of 75' x 200'.

<i>Myotis californicus</i> , California myotis	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	5 males
Total species =	3
Total individuals =	7

Location #2: Cess Pool on road to Paradise. Start Temp: 76F, End Temp: 71F

Site #1: Three 42-foot mist nets set over pool in V-formation with extra V at back of tank.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	5 (3 females (2nr, 1l), 2 males)
<i>Myotis californicus</i> , California myotis	7 (4 females (nr), 3 males)
<i>Myotis volans</i> , long-legged myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	18 (3 females (1l, 2nr), 15 males)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	6 males
Total species =	6
Total individuals =	39

Location #3: Silver Creek drainage. Start Temp: 71F, End Temp: 65F.

Site #1: One large Austbat harp trap set near water tank under overhanging vegetation.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 female (nr)
<i>Myotis auriculus</i> , southwestern myotis	1 male
<i>Myotis californicus</i> , California myotis	23 (7 female (nr), 16 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Myotis velifer</i> , cave myotis	1 female (nr)
<i>Myotis volans</i> , long-legged myotis	9 females (8nr, 1p)
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species =	8
Total individuals =	38

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

<i>Antrozous pallidus</i> , pallid bat	2 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 female (nr)
<i>Eptesicus fuscus</i> , big brown bat	1 female (nr)
<i>Myotis auriculus</i> , southwestern myotis	1 female (nr)
<i>Myotis californicus</i> , California myotis	2 (1 female (nr), 1 male)
<i>Myotis volans</i> , long-legged myotis	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	3 males
Total species =	7
Total individuals =	11

Site #3: One 18-foot net set in creek along bend over dry portion in flyway.

Total species =	0
Total individuals =	0

Summary of Capture Results — Session II: 21 May thru 26 May 2000
Four large Ausbat Harp Traps, Four 8-foot, Eighteen 18-foot, One 30-foot, and Four 42-foot mist nets.
(70 Net/Trap Hours Total)

<i>Antrozous pallidus</i> , pallid bat	17 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	6 females (p)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	12 (5 females (nr), 7 males)
<i>Eptesicus fuscus</i> , big brown bat	45 (6 females (1f, 5nr), 38 males, 1 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	3 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	6 (5 males, 1 unknown)
<i>Lasiurus blossevillii</i> , western red bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	11 (1 female (nr), 10 males)
<i>Myotis auriculus</i> , southwestern myotis	30 (19 females (6p, 1f, 12nr), 11 males)
<i>Myotis californicus</i> , California myotis	114 (33 females (1p, 32nr), 80 males, 1 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis	13 males
<i>Myotis thysanodes</i> , fringed myotis	14 (5 females (1p, 4nr), 9 males)
<i>Myotis velifer</i> , cave myotis	7 (2 females (nr), 4 males, 1 unknown)
<i>Myotis volans</i> , long-legged myotis	28 (14 females (3p, 11nr), 14 males)
<i>Pipistrellus hesperus</i> , western pipistrelle	54 (3 females (1f, 2nr), 46 males, 5 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	15 males
Total species =	16
Total individuals =	376

Session III

Day 01: 27 May 2000 — 1930-2130: Start Temp 75, End Temp 69F

Location #1: South Fork of Cave Creek Canyon, downstream from water over the road (dry).

Site #1: One 18-foot mist net set over small pool just down stream from road crossing, 10' x 1.5' with a 15' x 60' swoop zone.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	1 female (p)
Total species =	3
Total individuals =	3

Site #2: One large Ausbat harp trap set downstream from Site #1 about 50-meters right at bend in creek bed (dry) between large cliff and vegetation and under overhanging vegetation.

<i>Antrozous pallidus</i> , pallid bat	4 males
<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Myotis auriculus</i> , southwestern myotis	1 male
<i>Myotis californicus</i> , California myotis	18 (3 females (1 p, 2nr), 15 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	2 males
<i>Myotis volans</i> , long-legged myotis	1 male
Total species =	6
Total individuals =	28

Site #3: Two 18-foot mist nets set over spring near road down stream from Site #2 about 100-meters.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	2 females (1p, 1nr)
<i>Myotis californicus</i> , California myotis	3 (1 female (nr), 2 males)

<i>Myotis thysanodes</i> , fringed myotis		3 males
<i>Myotis volans</i> , long-legged myotis		2 males
<i>Pipistrellus hesperus</i> , western pipistrelle		5 males
Total species	=	7
Total individuals	=	17

Site #4: Two 18-foot mist nets set over two small pools in stream about 50-meters about 5' x 12' with swoop zones of 10' x 20' about 1-mile down stream from Site #1.

<i>Antrozous pallidus</i> , pallid bat		2 males
<i>Eptesicus fuscus</i> , big brown bat		5 males
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat		1 male
<i>Myotis auriculus</i> , southwestern myotis		1 female (nr)
<i>Myotis californicus</i> , California myotis		6 (2 female (nr), 4 males)
<i>Myotis thysanodes</i> , fringed myotis		1 female (nr)
<i>Myotis volans</i> , long-legged myotis		3 males
<i>Pipistrellus hesperus</i> , western pipistrelle		10 males
Total species	=	8
Total individuals	=	29

Day 02: 28 May 2000 — Start Time: 1930 End Time: 2200 — Start Temp: 73F End Temp: 71F

Location #1: Upstream from Stewart Bridge on Cave Creek

Site #1: Two 18-foot mist nets set over small pool 8' x 6' with a swoop zone of 12' x 50'.

<i>Eptesicus fuscus</i> , big brown bat		3 males
<i>Myotis auriculus</i> , southwestern myotis		4 (2 females (nr), 2 males)
<i>Myotis californicus</i> , California myotis		3 males
<i>Myotis thysanodes</i> , fringed myotis		3 males
<i>Myotis velifer</i> , cave myotis		1 female (nr)
<i>Myotis volans</i> , long-legged myotis		2 males
<i>Pipistrellus hesperus</i> , western pipistrelle		3 males
Total species	=	7
Total individuals	=	19

Site #2: Two 18-foot nets set in a V-formation over water and a 42-foot net set diagonally from top of V-formation to cover remaining length of stream about 100-meters downstream from Site #1.

<i>Antrozous pallidus</i> , pallid bat		3 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (p)
<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Lasiurus xanthinus</i> , yellow bat		1 female (nr)
<i>Myotis auriculus</i> , southwestern myotis		1 female (nr)
<i>Myotis thysanodes</i> , fringed myotis		2 males
<i>Myotis velifer</i> , cave myotis		1 male
<i>Pipistrellus hesperus</i> , western pipistrelle		2 (1 male, 1 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		3 (2 females (nr), 1 male)
Total species	=	10
Total individuals	=	16

Site #3: One large Austbat harp trap down stream about 50-meters from Site #2 set over dry stream bed and between and under encroaching vegetation.

<i>Antrozous pallidus</i> , pallid bat		2 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (p)
<i>Idionycteris phyllotis</i> , Allen's big-eared bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Myotis auriculus</i> , southwestern myotis		2 females (1p, 1nr)
<i>Myotis californicus</i> , California myotis		10 (6 females (1p, 5 nr), 4 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		4 (1 female (nr), 2 males, 1 unknown)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male
Total species	=	10
Total individuals	=	26

Site #4: Two 18-foot nets set parallel about 6-feet apart over small pool in stream (5' x 10') just down stream from Site #3.

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Lasiurus xanthinus</i> , western yellow bat		1 male

<i>Myotis auriculus</i> , southwestern myotis		3 (1 male, 2 unknown)
<i>Myotis thysanodes</i> , fringed myotis		1 male
<i>Myotis volans</i> , long-legged myotis		1 male
	Total species =	6
	Total individuals =	8

Site #5: One 18-foot mist nets set over small pool in stream about 4' x 4' with unlimited swoop zone about 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: 28 May 2000 — 1930-2200 Start Temp: 79F End Temp: 74F

Location #1: Silver Creek

Site #1: One 18-foot mist net set over water under juniper.

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 female (nr)
<i>Myotis californicus</i> , California myotis		2 males
<i>Myotis thysanodes</i> , fringed myotis		1 male
	Total species =	4
	Total individuals =	5

Site #2: One 18-foot mist net just downstream from Site #1

Total species =	0
Total individuals =	0

Site #3: One large Austbat harp trap about 100-meters downstream from Site #2.

<i>Antrozous pallidus</i> , pallid bat		1 male
<i>Myotis auriculus</i> , southwestern myotis		1 male
<i>Myotis californicus</i> , California myotis		19 (7 females (4p, 3nr), 12 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis		5 males
<i>Myotis thysanodes</i> , fringed myotis		2 male
<i>Myotis velifer</i> , cave myotis		1 male
<i>Myotis volans</i> , long-legged myotis		1 male
	Total species =	7
	Total individuals =	30

Site #4: Two 18-foot mist nets set in a V-formation over the water-for-wildlife tank downstream from Site #3.

<i>Antrozous pallidus</i> , pallid bat		2 males
<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Myotis thysanodes</i> , fringed myotis		1 male
<i>Pipistrellus hesperus</i> , western pipistrelle		6 (2 females (p), 4 males)
	Total species =	4
	Total individuals =	10

Site #5: One 18-foot mist net set high over dry stream bed between tall banks about 15-meters downstream from Site #4.

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

Site #6: One 18-foot mist net set in a chevron-shape with one 8-foot mist net to cover muddy spot in stream under vegetation along a bend about 120-meters downstream from Site #5.

<i>Eptesicus fuscus</i> , big brown bat		1 male
<i>Lasiurus cinereus</i> , hoary bat		1 male
<i>Pipistrellus hesperus</i> , western pipistrelle		2 (1 female (nr), 1 male)
	Total species =	3
	Total individuals =	4

Site #7: One 18-foot mist net set across damp streambed about 40-meters downstream from Site #6.

<i>Antrozous pallidus</i> , pallid bat		1 male
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<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 female (p)
<i>Myotis californicus</i> , California myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	1 male
Total species =	4
Total individuals =	4

Day 04: 30 May 2000 — 1930-2230 Start Temp: 78F End Temp: 77F

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 plus an additional 30-foot mist net set parallel about 6-feet away.

<i>Nyctinomops femorosaccus</i> , pocketed free-tailed bat	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	4 (2 male, 2 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	34 (5 females (nr), 29 males)
Total species =	3
Total individuals =	39

Location #2: SWRS creek behind meadow. One 8-foot mist net, one 18-foot mist net and one 30-foot mist net set in a V-formation over water.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	2 females (1p, 1nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<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
<i>Myotis volans</i> , long-legged myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species =	7
Total individuals =	9

Location #3 Idlewilde campground.

Site #1: One 18-foot mist net set over a 4' x 12' pool in stream with a swoop zone of 16' x 50'.

<i>Antrozous pallidus</i> , pallid bat	5 males
<i>Myotis auriculus</i> , southwestern myotis	1 female (p)
<i>Myotis californicus</i> , California myotis	6 males
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species =	6
Total individuals =	17

Site #2: One 18-foot mist net set over a 5' x 12' pool in stream with a swoop zone of 10' x 30'.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 female (p)
<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Idionycteris phyllotis</i> , Allen's big-eared bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculus</i> , southwestern myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species =	7
Total individuals =	10

Site #3: One large Austbat harp trap set over dry portion of stream near bend, under and between vegetation.

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Idionycteris phyllotis</i> , Allen's big-eared bat	1 male
<i>Myotis californicus</i> , California myotis	17 (1 female (nr), 16 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	4 males
<i>Myotis thysanodes</i> , fringed, myotis	2 males
<i>Myotis volans</i> , long-legged myotis	3 males
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species =	7
Total individuals =	30

Summary of Capture Results – Session III: 26 May thru 31 May 2000
Four large Ausbat Harp Traps, Two 18-foot, Twenty-three 18-foot, Three 30-foot, and Three 42-foot mist nets.
(79.0 Net/Trap Hours Total)

<i>Antrozous pallidus</i> , pallid bat	28 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	4 females (3p, 1nr)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	4 females (3p, 1nr)
<i>Eptesicus fuscus</i> , big brown bat	22 (1 female (nr), 21 males)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	5 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	2 males
<i>Lasiurus cinereus</i> , hoary bat	4 males
<i>Lasiurus xanthinus</i> , western yellow bat	2 (1 female (nr), 1 male)
<i>Myotis auriculus</i> , southwestern myotis	22 (12 females (5p, 7 nr), 8 males, 2 unknown)
<i>Myotis californicus</i> , California myotis	86 (20 females (6p, 14 nr), 66 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	13 males
<i>Myotis thysanodes</i> , fringed myotis	24 (1 female (nr), 23 males)
<i>Myotis velifer</i> , cave myotis	5 (1 female (nr), 4 males)
<i>Myotis volans</i> , long-legged myotis	19 (1 female (nr), 17 males, 1 unknown)
<i>Nyctinomops femorosaccus</i> , pocketed free-tailed bat	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	42 (3 females (2p, 1nr), 36 males, 3 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	37 (7 females (nr), 30 males)
	Total species = 17
	Total individuals = 320

BatSound Workshop

Day 01: 03 June 2000 – Start Time: 19:30 End Time: 21:30 Start Temp: 75F End Temp: 69F
 Location #1: South Fork of Cave Creek Canyon, upstream from water over road
 Site #1: Two 18-foot mist nets set over water 3' x 9' and 3' x 8' respectively with swoop zones of 10' x 30'.

<i>Antrozous pallidus</i> , pallid bat	7 males
<i>Eptesicus fuscus</i> , big brown bat	3 males
<i>Myotis auriculus</i> , southwestern myotis	9 (6 females (p), 3 males)
<i>Myotis californicus</i> , California myotis	6 (2 females (nr), 4 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	6 males
	Total species = 7
	Total individuals = 33

Day 02: 04 June 2000 – Start Time: 19:45 End Time: 21:30 Start Temp: 73F End Temp: 73F
 Location #1: Silver creek
 Site #1: One 18-foot mist net set over water tank.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	2 males
<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Myotis californicus</i> , California myotis	4 (3 females (1p, 2nr), 1 male)
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	1 female (p)
	Total species = 5
	Total individuals = 9

Site #2: One 18-foot mist net set over 10' x 30' pool in stream.

<i>Antrozous pallidus</i> , pallid bat	2 males
<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis californicus</i> , California myotis	3 (2 females (1p, 1nr), 1 male)
<i>Myotis thysanodes</i> , fringed myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
	Total species = 6
	Total individuals = 10

Day 03: 05 June 2000 – Start Time: 1900 End Time: 2230 Start Temp: 68F End Temp 63F
 Location #1: SWRS

Site #1	One 30-foot mist net set over shallow end of SWRS pool
<i>Nyctinomops macrotis</i> , big free-tailed bat	1 female (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	17 (1 female (nr), 16 males)
	Total species = 2
	Total individuals = 18

Site #2: One large Ausbat Harp trap set over riparian area behind buildings

<i>Eptesicus fuscus</i> , big brown bat	5 male
<i>Lasiurus blossevillii</i> , western red bat	2 (1 female (p), 1 male)
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis auriculus</i> , southwestern myotis	2 females (1p, 1 nr)
<i>Myotis californicus</i> , California myotis	8 (4 females (3p, 1nr), 4 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<i>Myotis velifer</i> , cave myotis	2 (1 female (nr), 1 male)
<i>Myotis volans</i> , long-legged myotis	4 (1 female (p), 3 males)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 female (nr)
Total species	= 9
Total individuals	= 27

Summary of Capture Results – BatSound Workshop: 02 June thru 06 June 2000
One large Ausbat Harp Trap, Four 19-foot and One 30-foot mist nets.
(14.5 Net/Trap Hours Total)

<i>Antrozous pallidus</i> , pallid bat	9 males
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	2 males
<i>Eptesicus fuscus</i> , big brown bat	10 males
<i>Lasiurus blossevillii</i> , western red bat	2 (1 female (p), 1 male)
<i>Lasiurus cinereus</i> , hoary bat	3 males
<i>Myotis auriculus</i> , southwestern myotis	11 (8 females (7p, 1nr), 3 males)
<i>Myotis californicus</i> , California myotis	21 (11 females (5p, 6nr), 10 males)
<i>Myotis ciliolabrum</i> , western small-footed myotis	2 males
<i>Myotis thysanodes</i> , fringed myotis	4 (1 female (nr), 3 males)
<i>Myotis velifer</i> , cave myotis	2 (1 female (nr), 1 male)
<i>Myotis volans</i> , long-legged myotis	4 (1 females (p), 3 males)
<i>Nyctinomops macrotis</i> , big free-tailed bat	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	8 (1 female (p), 7 males)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	18 (2 females (nr), 16 males)
Total species	= 14
Total individuals	= 97

Summary of Capture Results – 16 May thru 06 June 2000
Thirteen large Ausbat Harp Traps, Eight 8-foot, Sixty 18-foot, Seven 30-foot, and Nine 42-foot mist nets
(217.75 Net/Trap Hours Total)

<i>Antrozous pallidus</i> , pallid bat	71 males
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	10 females (9p, 1nr)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	24 (12 females (4p, 8nr), 12 males)
<i>Eptesicus fuscus</i> , big brown bat	93 (9 females (1l, 8nr), 82 males, 2 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	10 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	9 (8 males, 1 unknown)
<i>Lasiurus blossevillii</i> , western red bat	5 (1 female (nr), 2 males)
<i>Lasiurus cinereus</i> , hoary bat	24 (1 female (nr), 23 males)
<i>Lasiurus xanthinus</i> , yellow bat	2 (1 female (nr), 1 male)
<i>Myotis auriculus</i> , southwestern myotis	80 (50 females (19p, 1l, 30 nr), 28 males, 2 unknown)
<i>Myotis californicus</i> , California myotis	264 (75 females (13p, 62nr), 188 males, 1 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis	48 (10 females (1p, 9nr), 37 males, 1 unknown)
<i>Myotis thysanodes</i> , fringed myotis	45 (8 females (1p, 7nr), 36 males, 1 unknown)
<i>Myotis velifer</i> , cave myotis	31 (13 females (2p, 11nr), 16 males, 2 unknown)
<i>Myotis volans</i> , long-legged myotis	92 (35 females (7p, 28nr), 56 males, 1 unknown)
<i>Nyctinomops femorosaccus</i> , pocketed free-tailed bat	1 male
<i>Nyctinomops macrotis</i> , big free-tailed bat	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	125 (7 females (3p, 1l, 3nr), 109 males, 9 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	82 (9 females (nr), 73 males)
Total species	= 19
Total individuals	= 1017

APPENDIX**Corynorhinus data:**

Session II: Day 02: Location #1: Site #2

Female (nr)

FA: 42
 E: 30
 T: 13
 Fur: bi-color
 Incisor: single lobed
 Transverse striations on TM: > 8

Session II: Day 02: Location #1: Site #3

Female (p)

FA: 44
 E: 35
 T: 15

Male #1

FA: 42
 E: 30
 WT: 7
 T: 16

Male #2

FA: 40
 E: 29
 WT: 7
 T: 15

Male #3

FA: 41
 E: 32
 WT: 7
 T: 14

Male #4

FA: 39
 E: 32
 WT: 6
 T: 17

Session II: Day 3: Location 1: Site 1

Male #1

FA:
 E:
 T: 12-13
 Banding not distinct
 Transverse lines = 8

Female #1

FA:
 E:
 T: 14
 Banding not distinct
 Transverse lines >8

Male #2

FA:
 E:
 T: 13
 Banding not distinct
 Transverse lines = 10

Session III: Day 3: Location 1: Site 7

Female #1

FA:
 E:
 T: 15
 Banding distinct; grey base, brown tips
 Transverse lines > 8

Session III: Day 4: Location 3: Site 2

Female #1

FA:
 E: 31
 T: 16

Please direct all inquiries about this information to:

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