

**ARIZONA BAT CONSERVATION AND MANAGEMENT WORKSHOP**  
**June 4-14, 1993**  
**Capture Records -- Session I**

**DATE:** 06.05.1993 -- 19:00-23:00

Site #1: Cave Creek Canyon, near Sunny Flats "No Parking" access. 2 18' nets set across pools along a 15' wide section of creek.

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Idionycteris phyllotis</i> , lappet-browed bat	2 males
<i>Lasiurus cinereus</i> , hoary bat	5 males
<i>Myotis auriculus</i> , long-eared myotis	1 male
<i>Myotis californicus</i> , California myotis	4 females (p)
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Myotis volans</i> , long-legged myotis	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	9 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	8 females (4p, 4nr), 6 males
Total species = 9	
Total individuals = 38	

Site #2: Hands Picnic Area upstream from the Southwestern Research Station and down stream from the Herb Martyr Dam. 1 18' net across an 8'x25' pool in the creek.

<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Lasiurus cinereus</i> , hoary bat	3 males
<i>Myotis auriculus</i> , long-eared myotis	2 ?
<i>Myotis volans</i> , long-legged myotis	2 ?
Total species = 4	
Total individuals = 9	

Site #3: Herb Martyr Dam. 1 18' net across the west end of the pool formed by dam. "Swoop zone" about 20'x100'

<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Lasiurus cinereus</i> , hoary bat	5 males
<i>Myotis auriculus</i> , long-eared myotis	1 male
<i>Myotis volans</i> , long-legged myotis	2 females (p)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	27 males
Total species = 5	
Total individuals = 37	
<b>Grand Total Species = 9</b>	
<b>Grand Total Individuals = 84</b>	

**DATE:** 06.06.1993 -- 19:00-22:00

Site #1: Cave Creek Canyon down stream from Vista Point. 1 18' net across a 15'x25' pool in creek.

<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males
Total species = 2	
Total individuals = 3	

Site #2: Cave Creek Canyon up stream from Vista Point access. 1 18' net across a 15'x20' pool in creek.

<i>Lasiurus blossevillii</i> , desert red bat	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	3 males
Total species = 2	
Total individuals = 4	

Site #3: Cave Creek Canyon at Vista Point access. 1 large Tuttle Trap set across creek.

<i>Myotis auriculus</i> , long-eared myotis	2 females (nr)
<i>Myotis californicus</i> , California myotis	2 females (p), 3 males
<i>Myotis volans</i> , long-legged myotis	2 females, 1 male
Total species = 3	
Total individuals = 10	
<b>Grand Total Species = 5</b>	
<b>Grand Total Individuals = 17</b>	

**DATE:** 06.07.1993 -- 19:00-23:00

Site #1: 1 small Tuttle trap set in entrance of wet mine on Dave Lee and Mary Kay Clark's property in Paradise

<i>Myotis velifer</i> , cave myotis	1 male
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*Myotis volans*, long-legged myotis 19 females (15p, 3nr, 1?)

Total species = 2  
Total individuals = 20

Site #2: 1 large Tuttle trap set in silver creek near Clout's old gravity fed tank along road to Paradise.

*Eptesicus fuscus*, big brown bat 1 female  
*Lasiurus cinereus*, hoary bat 1 male  
*Myotis auriculus*, long-eared myotis 1 male  
*Myotis californicus*, California myotis 2 male  
*Myotis volans*, long-legged myotis 8 females (3nr, 5?), 2 males

Total species = 5  
Total individuals = 15  
**Grand Total Species = 6**  
**Grand Total Individuals = 35**

**DATE:** 06.08.1993 -- 19:30-02:30

Site #1: Cave Creek Canyon at "No Parking Access." One 42' (30d) net set over 10' wide pool in creek.

*Antrozous pallidus*, pallid bat 1 male  
*Eptesicus fuscus*, big brown bat 2 males  
*Idionycteris phyllotis*, lappet-browed bat 1 male  
*Lasionycteris noctivagans*, silver-haired bat 1 male  
*Lasiurus blossevillii*, desert red bat 1 male  
*Lasiurus cinereus*, hoary bat 1 male  
*Myotis auriculus*, long-eared myotis 3 females (p), 5 males  
*Myotis californicus*, California myotis 1 male  
*Myotis ciliolabrum*, western small-footed myotis 1 female (l), 5 males  
*Myotis thysanodes*, fringed myotis 1 male  
*Myotis velifer*, cave myotis 1 male  
*Myotis volans*, long-legged myotis 1 female (p), 5 males  
*Pipistrellus hesperus*, western pipistrelle 3 males  
*Tadarida brasiliensis*, Mexican free-tailed bat 4 females (1p, 3nr), 3 males

Total species = 14  
Total individuals = 40

Site #2: Cave Creek Canyon about .5mi from Site #1. One 18' net over a 15'x25' pool in the creek.

*Eptesicus fuscus*, big brown bat 1 male  
*Lasiurus cinereus*, hoary bat 1 male  
*Myotis auriculus*, long-eared myotis 1 female (p)  
*Myotis californicus*, California myotis 1 male  
*Myotis volans*, long-legged myotis 1 male  
*Pipistrellus hesperus*, western pipistrelle 3 males  
*Tadarida brasiliensis*, Mexican free-tailed bat 8 females (p), 7 males

Total species = 7  
Total individuals = 23

Site #3: Cave Creek Canyon below Vista Point between the bridge at Stewart Campground. Two 18' nets set about 15' apart over a 20'x 50' pool in the creek.

*Eptesicus fuscus*, big brown bat 8 males  
*Lasionycteris noctivagans*, silver-haired bat 1 male  
*Lasiurus blossevillii*, desert red bat 1 female (nr)  
*Lasiurus cinereus*, hoary bat 6 males  
*Myotis auriculus*, long-eared myotis 3 females (p)  
*Myotis thysanodes*, fringed myotis 1 male  
*Myotis volans*, long-legged myotis 1 female (nr), 5 males  
*Pipistrellus hesperus*, western pipistrelle 2 males  
*Tadarida brasiliensis*, Mexican free-tailed bat 5 females (p), 6 males

Total species = 9  
Total individuals = 39

Site #4: Cave Creek Canyon near bridge at Stewart Campground. One 18' net a 14'x50' pool in creek.

*Eptesicus fuscus*, big brown bat 1 male  
*Lasiurus cinereus*, hoary bat 1 male  
*Myotis californicus*, California myotis 1 male  
*Myotis volans*, long-legged myotis 1 male

Total species = 4

(p) = pregnant, (l) = lactating, (nr) = non-reproductive, (?) = unknown status or sex

Total individuals = 4

Site #5: Cloudt's cattle tank above Portal in the arid, open habitat. Elevation 5000 feet. One 18' net over the tank.

<i>Antrozous pallidus</i> , pallid bat	1 ?
<i>Myotis auriculus</i> , long-eared myotis	1 male
<i>Myotis californicus</i> , California myotis	2 females, 2 males
<i>Myotis thysanodes</i> , fringed myotis	1 female
<i>Myotis volans</i> , long-legged myotis	1 male

Total species = 5

Total individuals = 8

**Grand Total Species = 14**

**Grand Total Individuals = 114**

### SUMMARY OF CAPTURE RESULTS -- SESSION I

Eleven 18-foot nets, One 42-foot net, Two Large Harp Traps and One Small Harp Trap  
(75 Total Net-Trap Hours)

<i>Antrozous pallidus</i> , pallid bat	2
<i>Eptesicus fuscus</i> , big brown bat	18
<i>Idionycteris phyllotis</i> , lappet browed bat	3
<i>Lasionycteris noctivagans</i> , silver-haired bat	2
<i>Lasiurus blossevillii</i> , desert red bat	2
<i>Lasiurus cinereus</i> , hoary bat	23
<i>Myotis auriculus</i> , long-eared myotis	20
<i>Myotis californicus</i> , California myotis	18
<i>Myotis ciliolabrum</i> , western small-footed myotis	6
<i>Myotis thysanodes</i> , fringed myotis	4
<i>Myotis velifer</i> , cave myotis	2
<i>Myotis volans</i> , long-legged myotis	53
<i>Pipistrellus hesperus</i> , western pipistrelle	22
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	74

**Total Number of Species = 14**

**Total Number of Individuals = 250**

### Session II

DATE: 06.10.1993 -- 19:00-23:00

Site #1: Herb Martyr Dam. 1 42' net the pool formed by the dam. "Swoop zone" about 50'x100'

<i>Eptesicus fuscus</i> , big brown bat	2 males
<i>Lasiurus cinereus</i> , hoary bat	8 males
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Nyctinomops macrotis</i> , big free-tailed bat	1 female (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	38 males

Total species = 5

Total individuals = 50

Site #2: The creek behind the Southwestern Research Station. One 18' net over a 4'x12' pool.

<i>Lasionycteris noctivagans</i> , silver-haired bat	1 female
<i>Myotis auriculus</i> , long-eared myotis	2 females (p)
<i>Myotis volans</i> , long-legged myotis	1 female

Total species = 3

Total individuals = 4

Site #3: Creek behind Sunny Flat campground on Cave Creek. 1 18' net over a 20'x40' pool.

<i>Antrozous pallidus</i> , pallid bat	1 male
<i>Eptesicus fuscus</i> , big brown bat	1 female (p), 1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	3 males
<i>Lasiurus cinereus</i> , hoary bat	9 males
<i>Myotis auriculus</i> , long-eared myotis	3 females (p), 1 male
<i>Myotis californicus</i> , California myotis	3 females (p), 1 male
<i>Myotis thysanodes</i> , fringed myotis	1 male

(p) = pregnant, (l) = lactating, (nr) = non-reproductive, (?) = unknown status or sex

<i>Pipistrellus hesperus</i> , western pipistrelle	9 males
<i>Plecotus townsendii</i> , Townsend's big-eared bat	1 male
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	11 females (9p, 2nr), 1 male
Total species = 10	
Total individuals = 46	

Site #4: Cave Creek below Sunny Flat campground. One 18' net over a 15'x25' pool.

<i>Lasiurus cinereus</i> , hoary bat	1 male
<i>Myotis auriculus</i> , long-eared myotis	1 female (p)
<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	2 males
Total species = 5	
Total individuals = 7	
<b>Grand Total Species = 13</b>	
<b>Grand Total Individuals = 107</b>	

**DATE:** 06.11.1993 -- 19:00-22:00

Site #1: Large trap set at Vista Point access 200 yards below Sunny Flat Campground.

<i>Eptesicus fuscus</i> , big brown bat	3 males
<i>Myotis auriculus</i> , long-eared myotis	1 female (p), 2 males
<i>Myotis californicus</i> , California myotis	2 females (p), 11 males
<i>Myotis ciliolabrum</i> , western small-footed myotis	2 males
<i>Myotis volans</i> , long-legged myotis	10 males
Total species = 5	
Total Individuals = 31	

Site #2: 50' downstream from site #1. One 18' net across pool in creek.

<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis auriculus</i> , long-eared myotis	1 female (p)
<i>Myotis californicus</i> , California myotis	2 males
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male
Total species = 5	
Total Individuals = 7	

Site #3: 100 yards downstream from Site #2. One 18' net set over a 15'x25' pool in creek.

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis californicus</i> , California myotis	1 male
<i>Myotis thysanodes</i> , fringed myotis	1 male
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Pipistrellus hesperus</i> , western pipistrelle	3 males
Total species = 6	
Total Individuals = 9	

Site #4: 100 yards down stream from Site #3. One 42' net set diagonally over a 10'x50' pool in creek.

<i>Idionycteris phyllotis</i> , lappet-browed bat	1 male
<i>Lasionycteris noctivagans</i> , silver-haired bat	2 males
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis auriculus</i> , long-eared myotis	1 female (p)
<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	3 males
<i>Pipistrellus hesperus</i> , western pipistrelle	7 males
<i>Plecotus townsendii</i> , Townsend's big-eared bat	1 male
Total species = 9	
Total Individuals = 19	

Site #5: 1/4 mile down stream from site #4. One 18' net set across a 15'x30' pool in creek.

<i>Eptesicus fuscus</i> , big brown bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	2 males
<i>Myotis auriculus</i> , long-eared myotis	2 females (p), 1 male

(p) = pregnant, (l) = lactating, (nr) = non-reproductive, (?) = unknown status or sex

<i>Myotis californicus</i> , California myotis	2 male
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male
<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 = 8

Total Individuals = 12

**Grand Total Species = 13**

**Grand Total Individuals = 78**

**DATE:** 06.13.1993 -- 19:30-23:00

Site #1: Barfoot pine forest habitat. One 18' net over a 4'x16' pool.

<i>Eptesicus fuscus</i> , big brown bat	13 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	3 males
<i>Lasiurus cinereus</i> , hoary bat	1 female, 1 male
<i>Myotis auriculus</i> , long-eared myotis	1 female (p), 4 male
<i>Myotis thysanodes</i> , fringed myotis	3 males
<i>Myotis volans</i> , long-legged myotis	26 females (7p, 16l, 3nr), 8 males

Total species = 6

Total Individuals = 60

Site #2: Near Southwestern Research Station along creek below bridge One 42' (30d) net, and two 18' nets.

<i>Antrozous pallidus</i> , pallid bat	2 males
<i>Eptesicus fuscus</i> , big brown bat	1 female (nr)
<i>Lasiurus cinereus</i> , hoary bat	6 males
<i>Myotis auriculus</i> , long-eared myotis	3 females (2p, 1nr)
<i>Myotis californicus</i> , California myotis	2 males
<i>Myotis thysanodes</i> , fringed myotis	2 males
<i>Pipistrellus hesperus</i> , western pipistrelle	3 males
<i>Plecotus townsendii</i> , Townsend's big-eared bat	1 female (l), 3 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	2 females (p), 11 males

Total species = 9

Total Individuals = 41

Site #3: Midway between Site #2 and Site #4 along creek. Two 18' nets over 15'x25' pools and one 42' net over a dry portion of the creek bed.

<i>Eptesicus fuscus</i> , big brown bat	3 males
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	16 males
<i>Myotis auriculus</i> , long-eared myotis	5 females (p)
<i>Myotis californicus</i> , California myotis	1 female (p)
<i>Myotis ciliolabrum</i> , western small-footed myotis	2 males
<i>Myotis volans</i> , long-legged myotis	1 female (nr), 1 male
<i>Nyctinomops macrotis</i> , big free-tailed bat	1 female (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	3 males
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	8 males

Total species = 10

Total Individuals = 42

Site #4: 250 yards upstream from Stewart Campground. One 18' net.

<i>Eptesicus fuscus</i> , big brown bat	1 female (p), 4 males
<i>Idionycteris phyllotis</i> , lappet-browed bat	1 male
<i>Lasiurus cinereus</i> , hoary bat	13 males
<i>Myotis californicus</i> , California myotis	2 females (1p, 1nr), 3 males
<i>Myotis volans</i> , long-legged myotis	1 male
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	3 females (p), 5 males

Total species = 6

Total Individuals = 33

**Grand Total Species = 15**

**Grand Total Individuals = 176**

## SUMMARY OF CAPTURE RESULTS -- SESSION II

Twelve 18-foot nets, Four 42-foot nets, and One Large Trap  
(59 Total Net-Trap Hours)

<i>Antrozous pallidus</i> , pallid bat	3
<i>Eptesicus fuscus</i> , big brown bat	36
<i>Idionycteris phyllotis</i> , lappet browed bat	2
<i>Lasionycteris noctivagans</i> , silver-haired bat	10
<i>Lasiurus cinereus</i> , hoary bat	63
<i>Myotis auriculus</i> , long-eared myotis	28
<i>Myotis californicus</i> , California myotis	31
<i>Myotis ciliolabrum</i> , western small-footed myotis	7
<i>Myotis thysanodes</i> , fringed myotis	9
<i>Myotis volans</i> , long-legged myotis	55
<i>Nyctinomops macrotis</i> , big free-tailed bat	2
<i>Pipistrellus hesperus</i> , western pipistrelle	29
<i>Plecotus townsendii</i> , Townsend's big-eared bat	6
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	80
<b>Total Number of Species = 14</b>	
<b>Total Number of Individuals = 361</b>	