

2008 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: 21 May 2008

Location #1: South Fork of Cave Creek Canyon; various creek locations just upstream and downstream from bridge where creek crosses road (old water crossing).

Site #1: One large BCM harp trap set against upstream edge of bridge between willow vegetation over a small pool of water (2x4-feet; with a 30x100-foot swoop zone). Start time: 1930, End Time: 2400. Start Temp: 71°F, End Temp: 62°F with gusty winds.

GPS: 31°52.411N; 109°11.014W (NAD83)

Myotis californicus, California myotis 11 (2 females (nr), 9 males)

Myotis velifer, cave myotis 1 male (nr)

Total species = 2

Total individuals = 12

Site #2: One 30-foot mist net set upstream from Site #1 under overhanging cypress limbs with small pool of water on one end (2x2-feet in diameter; with a 30x100-foot swoop zone). Start time: 1930, End Time: 2400. Start Temp: 71°F, End Temp: 62°F.

GPS: 31°52.411N; 109°11.014W (NAD83)

Lasiurus cinereus, hoary bat 1 female (nr)

Myotis auriculus, southwestern myotis 1 male (nr)

Myotis californicus, California myotis 1 male (nr)

Total species = 3

Total individuals = 3

Site #3: One double-high 18-foot mist net set about 15-feet upstream from Site #2 under overhanging sycamore vegetation near large rock cliff over a small section of stream (2x20-feet; with a swoop zone of 30x100-feet). Start time: 1930, End Time: 2400. Start Temp: 71°F, End Temp: 62°F.

GPS: 31°52.411N; 109°11.014W (NAD83)

Antrozous pallidus, pallid bat 1 male (nr)

Lasiurus noctivagans, silver-haired bats 1 male (nr)

Lasiurus cinereus, hoary bat 1 male (nr)

Myotis californicus, California myotis 1 male (nr)

Myotis volans, long-legged myotis 1 female (nr)

Total species = 5

Total individuals = 5

Site #4: One large Ausbat harp trap set just downstream from bridge over small pool in creek (10x40-feet in diameter with a swoop zone of 20x100-feet). Start time 2000; End Time: 2300. Start Temp: 71°F; End Temp: 63.5°F.

GPS: 31°52.443N; 109°10.993W.

Myotis californicus, California myotis 1 female (nr)

Myotis velifer, cave myotis 1 male (nr)

Myotis volans, long-legged myotis 1 female (nr)

Total species = 3

Total individuals = 3

Site #5: Two 18-foot mist nets set in a V-formation over a small pool in the creek (10x40-feet in diameter with a swoop zone of 20x100-feet) just downstream from Site#4. Start time 2000; End Time: 2300. Start Temp: 71°F; End Temp: 63.5°F.

GPS: 31°52.443N; 109°10.993W.

<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Lasiurus cinereus</i> , hoary bat		1 male (nr)
Total species	=	2
Total individuals	=	2

Site #6: One large BCM harp trap set over water in creek (10x40-feet with a swoop zone of 20x100-feet), just downstream from site #5. Start Time: 1930, End Time 2300. Start Temp: 80°F, End Temp: 61°F.

UTM: 3527753N; 0671990E.

<i>Myotis ciliolabrum</i> , western small-footed myotis		1 female (nr)
Total species	=	1
Total individuals	=	1

Site #7: Two 18-foot mist nets set downstream from Site #6 in a roughly parallel formation approximately 70-feet apart over a pool 10-feet wide by 40-feet long with a swoop zone of 20x100-feet. Start Time: 1930, End Time 2300. Start Temp: 80°F, End Temp: 61°F.

UTM: 3527753N; 0671990E.

<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male (nr)
<i>Myotis velifer</i> , cave myotis		2 (1 female (nr), 1 male (nr))
Total species	=	2
Total individuals	=	3

Site #8: One 30-foot mist net and one 18-foot mist net set in a V formation over a 10-foot by 8-foot pool in creek with a 10x8-foot swoop zone, downstream from site #7. Start Time 1930, End Time: 2300. Start Temp 71°F, End Temp: 65°F.

GPS: 31°52.31"N; 109°10'49" (WGS84)

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
Total species	=	1
Total individuals	=	1

Site #9 One 18-foot mist net set over a 10-foot by 8-foot pool in creek with a 10x8-foot swoop zone downstream from site#8. Start Time 1930, End Time: 2300. Start Temp 71°F, End Temp: 65°F.

GPS: 31°52.31"N; 109°10'49" (WGS84)

<i>Idionycteris phyllotis</i> , lapped-browed bat		1 male (nr)
<i>Myotis thysanodes</i> , fringed myotis		1 female (nr)
Total species	=	2
Total individuals	=	2
Grand Total Species	=	11
Grand Total Individuals	=	34

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Day 02:	22 May 2008		
Location #1:	Lower Cave Creek Canyon creek locations at Idlewilde Campground.		
Site #1:	One large harp trap set around bend, between and under encroaching vegetation just upstream from "big rock." Start Time 2000; End Time: 2230. Start Temp: 62.4°F, End Temp: 59.3°F. Clear and windy.		
GPS:	31°53'4.9"N; 109°10'03"W. (NAD27)		
<i>Myotis californicus</i> , California myotis			3 female (nr)
<i>Myotis volans</i> , long-legged myotis			1 unknown (escaped)
Total species	=		2
Total individuals	=		4
Site #2:	Two 18-foot mist nets set in a V-configuration over 20x40-foot pool with a 20x100-foot swoop zone between and under vegetation at "big rock" site. Start Time 2000; End 62.4°F, End Temp: 59.3°F. Conditions clear and windy.		
GPS:	31°53'4.9"N; 109°10'03"W. (NAD27)		
<i>Myotis thysanodes</i> , fringed myotis			1 male (nr)
Total species	=		1
Total individuals	=		1
Site #3:	One 18-foot mist net set over a 12x12-foot pool with a 12x50-foot swoop zone, downstream from site #2. Start Time: 1930; End Time: 2230. Start Temp: 62.1°F; End Temp: 58.3°F. Conditions clear and windy.		
GPS:	31°53'5.39"N; 109°10'02.5"W. (NAD83)		
<i>Myotis californicus</i> , California myotis			1 female (nr)
Total species	=		1
Total individuals	=		1
Site #4:	One large harp trap set downstream from Site #3. Start Time: 1930; End Time: 2230. Start Temp: 62.1°F; End Temp: 58.3°F. Conditions clear and windy.		
GPS:	31°53'5.39"N; 109°10'02.5"W. (NAD83)		
<i>Myotis volans</i> , long-legged myotis			1 male (nr)
Total species	=		1
Total individuals	=		1
Site #5:	One 8-foot mist net set between and under vegetation over and 8x8-foot pool in stream with a 10x10-foot swoop zone just around bend, downstream from Site #4. Start Time: 1930; End Time: 2230. Start Temp: 62.1°F; End Temp: 58.3°F. Conditions clear and windy.		
GPS:	31°53'5.39"N; 109°10'02.5"W. (NAD83)		
<i>Myotis volans</i> , long-legged myotis			1 male (nr)
Total species	=		1
Total individuals	=		1
Site #6:	One large harp trap set between and under vegetation over a small pool in stream just downstream from Site #5. Start Time: 2000; End Time: 2300. Start Temp: 59°F; End Temp: 57°F. Conditions clear and windy.		
GPS:	31°53'34.9"N; 109°09'54.5"W. (NAD27)		
Total species	=		0
Total individuals	=		0

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #7: Two 18-foot nets set parallel over a 12x15-foot pool in stream and one 18-foot net set separately just downstream of pool in an area with a 20x100-foot swoop zone. Start Time: 2000; End Time: 2300. Start Temp: 59°F; End Temp: 57°F. Conditions clear and windy.

GPS: 31°53'34.9"N; 109°09'54.5"W. (NAD27)

<i>Idionycteris phyllotis</i> , lappet-browed bat		1 male (nr)
Total species	=	1
Total individuals	=	1

Site #8: Two 18-foot mist nets set roughly parallel over a 3x5-foot pool in stream with a 10x10-foot swoop zone just upstream from bridge over creek at entrance to Idlel wilde Campground and one 30-foot mist net set over a 20x20-foot pool in stream with a 20x40-foot swoop zone just down stream from bridge. Start Time: 1945; End Time: 2230. Start Temp: 62.6°F; End Temp: 58.5°F. Conditions partly cloudy and windy.

GPS: 31°53'66.9"N; 109°09'93.3"W.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		4 females (p)
<i>Myotis auriculus</i> , southwestern myotis		1 male (nr)
<i>Myotis californicus</i> , California myotis		2 (1 female (nr), 1 male)
<i>Myotis velifer</i> , cave myotis		2 males (nr)
Total species	=	4
Total individuals	=	9
Grand Total Species	=	7
Grand Total Individuals	=	19

Day 03: 23 May 2008

Location #1: Lower Cave Creek Canyon, creek locations across from USDA Forest Service Visitor Information Center.

Site #1: One 8-foot mist net and one 30-foot mist net set end to end over 5x8-foot pool in stream and over dry creek bed to block entire flyway. Start Time: 1945; End Time: 2245. Start Temp: 57.4°F; End Temp: 56.6°F. All day rain followed by clearing late with breezy conditions becoming gusty by 2100.

GPS: 31°53'889"N; 109°04'701" (NAD83)

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		4 females (a, p)
<i>Myotis auriculus</i> , southwestern myotis		1 male (a, nr)
<i>Myotis thysanodes</i> , fringed myotis		1 male (a, nr)
Total Species	=	3
Total Individuals	=	6

Site #2: Two 18-foot mist nets set in a V-formation over a 15x30-foot pool in stream with a nearly unlimited swoop zone, just upstream from Site #1, across from nature trail benches. Start Time: 1945; End Time: 2245. Start Temp: 57.4°F; End Temp: 56.6°F. All day rain followed by clearing late with breezy conditions becoming gusty by 2100.

GPS: 31°53'889"N; 109°04'701" (NAD83)

<i>Lasiurus blossevillii</i> , western red bat		1 female (a, p)
<i>Myotis volans</i> , long-legged myotis		1 female (a, nr)
Total Species	=	2
Total Individuals	=	2

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #3: One 18-foot mist net and one double high (2H) 30-foot mist net set parallel to each other over small 8x8-foot pool in stream with a 20x100-foot swoop zone just upstream from Site #2. Start Time: 2000; End Time: 2230. Start Temp: 57.2°F; End Temp: 54°F. Weather conditions: all day rain followed by clearing late with breezy conditions becoming gusty by 2100.

GPS: 31°54' 874"N; 109°09'714" W. (NAD83)

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		2 females (a, p)
<i>Myotis volans</i> , long-legged myotis		2 females (a, nr)
Total Species	=	2
Total Individuals	=	4

Site #4: One large harp trap set under and between vegetation just upstream from Site #3 over small 8x8-foot pool in stream with a 20x100-foot swoop zone. Start Time: 2000; End Time: 2230. Start Temp: 57.2°F; End Temp: 54°F. Weather conditions: all day rain followed by clearing late with breezy conditions becoming gusty by 2100.

GPS: 31°54' 874"N; 109°09'714" W. (NAD83)

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (a, p)
<i>Myotis volans</i> , long-legged myotis		1 female (a, nr)
Total Species	=	2
Total Individuals	=	2

Set #5: One large harp trap set under and between vegetation upstream from site #4 over dry section of creek. Start Time: 1930; End Time: 2245. Start Temp: 54.9°F; End Temp: 55°F. Weather conditions: all day rain followed by clearing late with breezy conditions becoming gusty by 2100.

GPS: 31°53.815N; 109°09.755W. (WGS84)

Total Species	=	0
Total Individuals	=	0

Site #6: One single-high 18-foot mist net and one double high (2H) 18-foot mist net set parallel to each other over an 8x10-foot pool in stream with an 8x10 foot swoop zone. Start Time: 1930; End Time: 2245. Start Temp: 54.9°F; End Temp: 55°F. Weather conditions: all day rain followed by clearing late with breezy conditions becoming gusty by 2100.

GPS: 31°53.815N; 109°09.755W. (WGS84)

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		5 females (a, p)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 male (a, s)
Total Species	=	2
Total Individuals	=	6

Site #7: Two 18-foot mist nets set parallel over small 8x8-foot pools in creek upstream from Site #6 and one 42-foot mist net set on bank above creek, perpendicular to nets in creek. Start Time: 2000; End Time: 2230. Start Temp: 54°F; End Temp: 57°F. Weather conditions: all day rain followed by clearing late with breezy conditions becoming gusty by 2100.

GPS: 31°53'47.8"N; 109°09'46.3"W. (NAD27)

<i>Myotis volans</i> , long-legged myotis		1 female (a, nr)
Total Species	=	1
Total Individuals	=	1

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #8: One large harp trap set in creek under and between vegetation, just upstream from Site #7 along diversion canal. Start Time: 2000; End Time: 2230. Start Temp: 54°F; End Temp: 57°F. Weather conditions: all day rain followed by clearing late with breezy conditions becoming gusty by 2100.

GPS: 31°53'47.8"N; 109°09'46.3"W. (NAD27)

Total Species = 0

Total Individuals = 0

Grand Total Species = 6

Grand Total Individuals= 21

Day 04: 24 May 2008

Location #1: Rustler Peak, Barfoot campground, wet meadow. Start Time: 2045, End Time: 2345; Start Temp: 52.8°F, End Temp: 46.2°F. Conditions, clear and windy.

Site #1: Seven 42-foot mist nets and one 18-foot mist net arranged in a long Z-formation over available water in road-rut and running off into forest blocking available flyway to 2x200-foot pool with 10x500-foot swoop zone.

GPS: 31°55.020N; 109°16.794W. (WGS84)

<i>Eptesicus fuscus</i> , big brown bat		3 males (a, nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males (a, nr)
<i>Myotis auriculus</i> , southwestern myotis		13 (4 females, adult (2nr, 2p), 8 males (a, nr), 1 unknown)
<i>Myotis thysanodes</i> , fringed myotis		4 males (a, nr)
<i>Myotis volans</i> , long-legged myotis		6 (3 females (a, nr), 2 males (a, nr))
Total species	=	5
Total individuals	=	28

Site #2: One large harp trap set between two small pines in road leading up to water.

<i>Eptesicus fuscus</i> , big brown bat		3 males (a, nr)
<i>Myotis auriculus</i> , southwestern myotis		3 males (a, nr)
<i>Myotis thysanodes</i> , fringed myotis		1 male (a, nr)
<i>Myotis volans</i> , long-legged myotis		5 (1 female (a, nr), 4 males (a, nr))
Total species	=	4
Total individuals	=	12
Grand Total Species	=	5
Grant Total Individuals=		40

Location #2: American Museum of Natural History, Southwestern Research Station.

Site #1: Swimming pool. One 3H 18-foot mist net, plus two 42-foot mist nets, plus one 30-foot mist net arranged around 20x50-foot pool with swoop zone of 40x75-feet. Start Time: 1945, End Time: 2330. Start Temp: 60°F, End Temp: 59°F. Conditions, clear with slight breeze.

GPS: 31°53.022N; 109°12.725W. (WGS84)

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (a, nr)
<i>Eptesicus fuscus</i> , big brown bat		1 male (a, nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		10 males (a, nr)
Total species	=	3
Total individuals	=	12

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #2:	One 42-foot mist net set along bridge and one 8-foot mist net set under bridge over creek behind dorms. Start Time: 1930; End Time: 2345. Start Temp: 60°F; End Temp: 59°F. Conditions, clear with slight breeze.		
GPS:	31°52'59.3"N; 109°12'20.9"W. (NAD27)		
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat			1 male (a, nr)
Total species	=		1
Total individuals	=		1
Site #3:	One 8-foot mist net and one 30-foot mist net set in a V-configuration over water in creek just downstream from Site #2. Start Time: 1930; End Time: 2345. Start Temp: 60°F; End Temp: 59°F. Conditions, clear with slight breeze.		
GPS:	31°52'59.3"N; 109°12'20.9"W. (NAD27)		
<i>Myotis californicus</i> , California myotis			1 male (a, nr)
<i>Myotis unknown</i> , Unknown myotis			1 unknown, escaped before positive ID
Total species	=		1
Total individuals	=		2
Site #4:	One large trap set downstream from Site #3 across from "big rock" under and between vegetation. Start Time: 1930; End Time: 2345. Start Temp: 60°F; End Temp: 59°F. Conditions, clear with slight breeze.		
GPS:	31°52'59.3"N; 109°12'20.9"W. (NAD27)		
<i>Myotis californicus</i> , California myotis			3 (1 female (a, nr), 2 males (a, nr))
<i>Myotis velifer</i> , cave myotis			3 (1 female (a, nr), 2 males (a, nr))
<i>Myotis volans</i> , long-legged myotis			2 (1 female (a, nr), 1 male (a, nr))
Total species	=		3
Total individuals	=		8
Site #5:	Two 8-foot mist nets arranged in a V-formation around hummingbird feeder between pool and office and one 42-foot mist net set across flyway to hummingbird feeder closest to office. Start Time 2000: End Time: 2330, Start Temp: 60°F, End Temp: 59°F. Conditions, clear with slight breeze.		
GPS:	31°53.022N; 109°12.725W. (WGS84)		
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat			8 females (a, p)
Total species	=		1
Total individuals	=		8
Grand Total Species	=		6
Grand Total Individuals	=		31

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Summary of Capture Results — Session I: 20 thru 25 June 2008

Seven 8-foot nets, twenty 18-foot nets, six 30-foot nets, twelve 42-foot nets, one 3H 18-foot stacked nets, two 2H 18-foot stacked nets, one 2H 30-foot stacked nets and eleven large harp traps.

(Total net/trap-hours = 183.25)

<i>Antrozous pallidus</i> , pallid bat	2 males (nr)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	25 females (2p, 1nr)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat	9 males (nr)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	2 males (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat	4 males (nr)
<i>Lasiurus blossevillii</i> , western red bat	1 female (p)
<i>Lasiurus cinereus</i> , hoary bat	4 (1 females (nr), 3 males (nr))
<i>Myotis auriculus</i> , southwestern myotis	20 (5 females (2p, 3nr), 14 males (nr), 1 unknown)
<i>Myotis californicus</i> , California myotis	24 (9 females (nr), 15 males (nr))
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 female (nr)
<i>Myotis unknown</i> , unknown-escaped myotis	1 unknown
<i>Myotis thysanodes</i> , fringed myotis	8 (1 female (nr), 7 males (nr))
<i>Myotis velifer</i> , cave myotis	9 (2 females (nr), 7 males (nr))
<i>Myotis volans</i> , long-legged myotis	23 (12 females (nr), 10 males (nr), 1 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	11 males (nr)
Total species	= 15
Total individuals	= 145

Session II

Day 01 26 May 2008

Location #1: Cave Creek, upstream from Stewart Bridge to Vista Point.

Site #1: One triple-high (3H) 18-foot mist net set over a 2x20-foot pool in the creek with a 20x200-foot swoop zone. Start Time: 1930, End Time: 2330; Start Temp: 62.7°F, End Temp: 55.4°F. Conditions clear and calm.

UTM: 3529500; 672912

<i>Eptesicus fuscus</i> , big brown bat	2 males (nr)
<i>Myotis unknown</i> , unknown myotis	1 unknown
Total species	= 2
Total individuals	= 3

*plus one female blue-throated hummingbird: *Lampornis clemenciae* (band #C41641)

Site #2: Two 18-foot nets set in parallel over a 2x20-foot pool in the creek with a 20x200-foot swoop zone just upstream from site #1. Start Time: 1930, End Time: 2330; Start Temp: 62.7°F, End Temp: 55.4°F. Conditions clear and calm.

UTM: 3529500; 672912

<i>Eptesicus fuscus</i> , big brown bat	1 male (a, nr)
<i>Lasiurus cinereus</i> , hoary bat	1 male (a, nr)
<i>Myotis auriculus</i> , southwestern myotis	1 female (a, nr)
<i>Myotis californicus</i> , California myotis	3 males (a, nr)
<i>Myotis thysanodes</i> , fringed myotis	1 female (a, nr)
<i>Myotis velifer</i> , cave myotis	1 female (a, nr)
<i>Myotis volans</i> , long-legged myotis	2 (1 female (a, nr), 1 male (a, nr))
<i>Myotis unknown</i> , unknown myotis	1 unknown
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 female (a, nr)
Total species	= 8
Total individuals	= 12

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #3: One large harp trap set under and between vegetation over small section of creek downstream from Site #1. Start Time: 1930, End Time: 2330; Start Temp: 68°F, End Temp: 55.4°F.

GPS: 31°53'319N; 109°10.261W (NAD83)

<i>Eptesicus fuscus</i> , big brown bat	1 male (a, nr)
<i>Myotis auriculus</i> , southwestern myotis	1 male (a, nr)
<i>Myotis californicus</i> , California myotis	5 (1 female (a, p), 4 males (a, nr))
<i>Myotis volans</i> , long-legged myotis	3 (1 female (a, p), 2 males (a, nr))
<i>Pipistrellus hesperus</i> , western pipistrelle	1 male (a, nr)
Unknown bat (escaped before identification)	1 unknown
Total species	= 5
Total individuals	= 12

Site #4: One 18-foot mist net set up stream from trap and one 18-foot mist net set downstream from trap. Start Time: 1930, End Time: 2330; Start Temp: 68°F, End Temp: 55.4°F.

GPS: 31°53'319N; 109°10.261W (NAD83)

<i>Myotis californicus</i> , California myotis	1 female (a, nr)
<i>Myotis volans</i> , long-legged myotis	1 female (a, nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	2 males (a, nr)
Unknown bat (escaped before identification)	1 unknown
Total species	= 3
Total individuals	= 5

Site #5: One large harp set in a small constriction under and between vegetation at the upstream end of a 10x200 foot section of still water in stream with an 20x200-foot swoop zone. Start Time: 1945, End Time: 2245; Start Temp: 61.3°F, End Temp: 55.5°F.

GPS: 31 53'21.3"N; 109 10'08.1"W (NAD27)

<i>Eptesicus fuscus</i> , big brown bat	1 male (a, nr)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 male (a, nr)
<i>Lasiurus blossevillii</i> , western red bat	1 male (a, nr)
<i>Myotis auriculus</i> , southwestern myotis	3 females (a, nr)
<i>Myotis californicus</i> , California myotis	3 (1 female (a, nr), 2 males (a, nr))
<i>Myotis velifer</i> , cave myotis	1 male (a, nr)
<i>Myotis volans</i> , long-legged myotis	1 male (a, nr)
Total species	= 7
Total individuals	= 11

Site #6: One 8-foot and one 42-foot net set in an L-configuration across section of stream and along the bank near the downstream end of the 10x200 section. Start Time: 1945, End Time: 2245; Start Temp: 61.3°F, End Temp: 55.5°F.

GPS: 31 53'21.3"N; 109 10'08.1"W (NAD27)

<i>Myotis auriculus</i> , southwestern myotis	1 male (a, nr)
<i>Myotis californicus</i> , California myotis	1 male (a, nr)
<i>Myotis velifer</i> , cave myotis	1 male (a, nr)
<i>Myotis volans</i> , long-legged myotis	1 female (a, nr)
Total species	= 4
Total individuals	= 4

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #7: One 8-foot and one 18-foot net set in a V-configuration across section of stream near the middle of the 10x200 section. Start Time: 1945, End Time: 2245; Start Temp: 61.3°F, End Temp: 55.5°F.

GPS: 31°53'21.3"N; 109°10'08.1"W (NAD27)

<i>Eptesicus fuscus</i> , big brown bat		3 males (a, nr)
<i>Myotis auriculus</i> , southwestern myotis		1 female (a, nr)
<i>Myotis californicus</i> , California myotis		2 (1 female (a, nr), 1 male (a, nr))
<i>Myotis velifer</i> , cave myotis		1 male (a, nr)
<i>Myotis volans</i> , long-legged myotis		2 males (a, nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (a, nr)
Total species	=	6
Total individuals	=	10

Site #8: One large harp trap set over dry section of trail leading to creek. Start Time: 1945, End Time: 2200. Start Temp: 62.2°F, End Temp: 55.5°F.

GPS: 31°53'21.3"N; 109°10'08.1"W (NAD27)

Total species	=	0
Total individuals	=	0

Site #9: Two 18-foot mist nets set in a V-configuration over a 5x5-foot pool in creek right at bend in stream above bridge and one 18-foot mist net and one 42-foot mist net set in a V-configuration over a 5x12-foot pool adjacent to bridge. Total swoop zone of section is 5x20-feet. Start Time: 1945, End Time: 2200. Start Temp: 62.2°F, End Temp: 55.5°F.

GPS: 31°53'21.3"N; 109°10'08.1"W (NAD27)

<i>Myotis volans</i> , long-legged myotis		2 (1 female (a, nr), 1 male (a, nr))
Total species	=	1
Total individuals	=	2
Grand total species	=	12
Grand total individuals	=	59

Day 02 27 May 2008

Location 1: Lower Cave Creek Canyon. Creek locations at Idlewilde campground.

Site #1: One large harp trap set over an 8x20 foot pool in creek with an 8x50 foot swoop zone right near bend in creek just past big rock site between Idlewilde and Stewart camp grounds. Start Time: 1930, End Time: 2300; Start Temp: 67.8°F, End Temp: 61.8°F.

GPS: 31°89'16.2"N; 109°16'74"W (WGS84)

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

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #2: Three 18-foot mist nets set parallel to each other just downstream from big rock over a 10x50-foot pool in creek with a 20x100-foot swoop zone. Start Time: 1930, End Time: 2300; Start Temp: 67.8°F, End Temp: 61.8°F.

GPS: 31°89'162N; 109°1674W (WGS84)

<i>Eptesicus fuscus</i> , big brown bat		1 male (a, nr)
<i>Lasiurus blossevillii</i> , western red bat		1 female (a, p)
<i>Myotis velifer</i> , cave myotis		1 female (a, nr)
Unknown bat (escaped before identification)		1 unknown
Total species	=	3
Total individuals	=	4

also caught one male broad-billed humming bird (*Cyananthus latirostris*)

Site #3: One large harp trap set over water under and between vegetation in bend in creek just downstream from Site #2. Start Time: 2015, End Time: 2300; Start Temp: 66.3°F, End Temp: 59.9°F.

GPS: 31°52.540N; 109°10.015 (NAD83)

<i>Myotis californicus</i> , California myotis		1 male (a, nr)
<i>Myotis volans</i> , long-legged myotis		1 female (a, l)
Total species	=	2
Total individuals	=	2

Site #4: Two 18-foot mist nets set in a V-configuration over 15x10-foot pool in stream with a swoop zone of 20x50-feet long just up stream from the trap and one 8-foot mist net set over 6x6-foot pool in stream with a swoop zone of 8x20-feet just downstream from trap. Start Time: 1945, End Time: 2230; Start Temp: 68°F, End Temp: 62.4°F.
One 30-foot mist net set over a 15x100 foot section of creek with a 15x100-foot swoop zone.

GPS: 31°52.540N; 109°10.015 (NAD83)

<i>Eptesicus fuscus</i> , big brown bat		1 male (a, nr)
<i>Lasiurus cinereus</i> , hoary bat		1 male (a, nr)
<i>Lasiurus cinereus</i> , hoary bat		1 male (a, nr)
<i>Myotis californicus</i> , California myotis		1 female (a, nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (a, nr)
Total species	=	5
Total individuals	=	5

Site #5: One large harp trap set over an 3x5 foot pool in stream with an 8x30 foot swoop zone. Start Time: 1930, End Time: 2300; Start Temp: 68°F, End Temp: 61.5°F.

GPS: 31°53'35.3"N; 109°09'57.7"W (NAD27)

<i>Antrozous pallidus</i> , pallid bat		1 male (a, nr)
<i>Eptesicus fuscus</i> , big brown bat		1 male (a, nr)
<i>Myotis auriculus</i> , southwestern myotis		1 male (a, nr)
<i>Myotis californicus</i> , California myotis		5 (3 females (a, nr), 2 males (a, nr))
<i>Myotis velifer</i> , cave myotis		1 female (a, nr)
Total species	=	5
Total individuals	=	9

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #6: Two 18-foot mist nets set in a V-configuration over a 9x15-foot pool in creek upstream from Site #5 and one 18-foot mist net and one 30-foot mist net set in a V-configuration over a still section of creek nearby with a total swoop zone of 30x30-feet. Start Time: 1930, End Time: 2300; Start Temp: 68°F, End Temp: 61.5°F.

GPS: 31°53'35.3"N; 109°09'57.7"W (NAD27)

<i>Lasiurus cinereus</i> hoary bat		1 male (a, nr)
<i>Myotis californicus</i> , California myotis		2 females (a, nr)
<i>Myotis volans</i> , long-legged myotis		1 male (a, nr)
Total species	=	3
Total individuals	=	4

Site #7: One triple-high (3H) mist net stack set over rocky section of creek with intermittent pools and a swoop zone of 20x200-feet. Start Time: 1945, End Time: 2345; Start Temp: 67.2°F, End Temp: 60.9°F.

GPS: 31°53.669N; 109°09.933W (NAD83)

<i>Eptesicus fuscus</i> , big brown bat		1 male (a, nr)
<i>Lasiurus cinereus</i> , hoary bat		1 male (a, nr)
<i>Myotis californicus</i> , California myotis		1 male (a, nr)
<i>Myotis velifer</i> , cave myotis		2 (1 female (a, nr), 1 male (a, nr))
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		1 male (a, nr)
Unknown bat (escaped before identification)		1 unknown
Total species	=	5
Total individuals	=	7

Site #8: One triple-high (3H) mist net stack set over rocky section of creek with intermittent pools and a swoop zone of 20x200-feet. Start Time: 1945, End Time: 2345; Start Temp: 67.2°F, End Temp: 60.9°F.

GPS: 31°53.669N; 109°09.933W (NAD83)

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		2 females (1l, 1p)
<i>Eptesicus fuscus</i> , big brown bat		4 males (a, nr)
<i>Myotis auriculus</i> , southwestern myotis		1 male (a, nr)
Total species	=	3
Total individuals	=	7
Grand total species	=	14
Grand total individuals	=	44

Day 03 28 May 2008

Location #1: Lower Cave Creek Canyon, creek locations across from the USDA Forest Service Visitor Information Center.

Site #1: One large harp trap set under and between vegetation along dry stretch of creek. Start Time: 1930, End time: 2300; Start Temp: 66.5°F, End Temp: 64.4°F.

GPS: 31°53.803N; 109°09.809W. (NAD83)

<i>Leptonycteris yerbabuenae</i> , lesser long-nosed bat		1 male (a, nr)
<i>Myotis auriculus</i> , southwestern myotis		4 (3 females (a, nr), 1 male (a, nr))
<i>Myotis californicus</i> , California myotis		1 male (a, nr)
<i>Myotis thysanodes</i> , fringed myotis		1 female (a, nr)
<i>Myotis volans</i> , long-legged myotis		1 male (a, nr)
Total species	=	5
Total individuals	=	8

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #2: One 8-foot mist net and one 30-foot mist net set in a V-configuration over a 10x25-foot pool in creek. Start Time: 1930, End time: 2300; Start Temp: 66.5°F, End Temp: 64.4°F.

GPS: 31°53.803N; 109°09.809W. (NAD83)

<i>Eptesicus fuscus</i> , big brown bat		3 males (a, nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat		2 males (a, nr)
<i>Lasiurus cinereus</i> , hoary bat		1 unknown
<i>Lasiurus xanthinus</i> , western yellow bat		1 male (a, nr)
<i>Myotis californicus</i> , California myotis		1 female (a, nr)
<i>Myotis thysanodes</i> , fringed myotis		1 male (a, nr)
<i>Myotis velifer</i> , cave myotis		2 males (a, nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (a, nr)
Total species	=	8
Total individuals	=	12

Site #3: One 30-foot mist net set over dry section of creek. Start Time: 1930, End time: 2300; Start Temp: 66.5°F, End Temp: 64.4°F.

GPS: 31°53.803N; 109°09.809W. (NAD83)

<i>Eptesicus fuscus</i> , big brown bat		4 (1 female (a, nr), 3 males (a, nr))
<i>Lasiurus cinereus</i> , hoary bat		1 male (a, nr)
<i>Myotis auriculus</i> , southwestern myotis		1 male (a, nr)
<i>Myotis californicus</i> , California myotis		1 male (a, nr)
<i>Myotis thysanodes</i> , fringed myotis		2 female (a, nr)
<i>Myotis velifer</i> , cave myotis		1 female (a, nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (a, nr)
Total species	=	7
Total individuals	=	11

Site #4: One large harp trap set over dry section of creek downstream from site #3. Start Time: 1915; End Time: 2315. Start Temp: 68.5°F; End Temp: 62.6°F.

GPS: 31°51'51.8"N; 109°09'40.6"W (NAD27)

<i>Eptesicus fuscus</i> , big brown bat		2 males (a, nr)
<i>Myotis auriculus</i> , southwestern myotis		1 female (a, nr)
<i>Myotis californicus</i> , California myotis		15 (8 females (a, nr), 7 males (a, nr))
<i>Myotis velifer</i> , cave myotis		6 (2 females (a, nr), 4 males (a, nr))
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (a, nr)
Total species	=	5
Total individuals	=	25

Site #5: One 30-foot mist net set over dry creek bed just downstream from site #4. Start Time: 1915; End Time: 2315. Start Temp: 68.5°F; End Temp: 62.6°F.

GPS: 31°51'51.8"N; 109°09'40.6"W (NAD27)

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (a, p)
<i>Lasiurus xanthinus</i> , western yellow bat		1 female (a, nr)
Total species		2
Total individuals		2

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #6: Two 18-foot mist nets set in a V-configuration over a 12x20-foot pool in creek with a 12x100-foot swoop zone. Start Time: 1915; End Time: 2315. Start Temp: 68.5°F; End Temp: 62.6°F.

GPS: 31°51'51.8"N; 109°09'40.6"W (NAD27)

<i>Eptesicus fuscus</i> , big brown bat			26 males (a, nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat			2 males (a, nr)
<i>Lasiurus cinereus</i> , hoary bat			1 male (a, nr)
<i>Myotis californicus</i> , California myotis			2 males (a, nr)
<i>Myotis velifer</i> , cave myotis			1 male (a, nr)
<i>Myotis volans</i> , long-legged myotis			2 (1 female (a, nr), 1 male (a, nr))
<i>Pipistrellus hesperus</i> , western pipistrelle			4 males (a, nr)
Total species	=		7
Total individuals	=		38
Grand Total Species	=		12
Grand Total Individuals	=		96

Location #2: Silver Creek, off road to Paradise west of Portal.

Site #1: One triple-high (3H) set of stacked 18-foot mist nets set over dry section of creek under canopy. Start Time: 1945, End time: 2230; Start Temp: 68°F, End Temp: 59.5°F.

GPS: 31°55'55.6"N; 109°11'04.2"W (NAD83)

<i>Eptesicus fuscus</i> , big brown bat			1 male (a, nr)
<i>Lasiurus cinereus</i> , hoary bat			1 male (a, nr)
<i>Myotis auriculus</i> , southwestern myotis			1 male (a, nr)
<i>Myotis californicus</i> , California myotis			2 (1 female (a, nr), 1 unknown)
<i>Myotis unknown</i> , Unknown myotis (escaped)			1 unknown
<i>Myotis volans</i> , long-legged myotis			2 females (a, nr)
<i>Pipistrellus hesperus</i> , western pipistrelle			1 female (a, nr)
Total species	=		7
Total individuals	=		9

Site #2: One large harp trap set in creek between steep banks and under overhanging vegetation over narrow stream about 3x100-feet with a swoop zone of 8x200-feet. Start Time: 1945, End time: 2230; Start Temp: 68°F, End Temp: 59.5°F.

GPS: 31°55'55.6"N; 109°11'04.2"W (NAD83)

<i>Eptesicus fuscus</i> , big brown bat			4 (2 females (1 a, nr; 1 a, p), 2 male (a, nr))
<i>Myotis californicus</i> , California myotis			13 (7 female (a, nr), 6 males (nr))
<i>Myotis ciliolabrum</i> , western small-footed myotis			1 male (a, nr)
<i>Myotis volans</i> , long-legged myotis			8 (4 females (a, nr), 4 males (a, nr))
<i>Pipistrellus hesperus</i> , western pipistrelle			2 males (a, nr)
Total species	=		5
Total individuals	=		28

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #3: One 8-foot mist net and three 18-foot mist nets set parallel to each other along entire 3x100-foot pool length in creek, just upstream from harp trap at Site #2. Start Time: 1945, End time: 2230; Start Temp: 68°F, End Temp: 59.5°F.

GPS: 31°55'55.6"N; 109°11'04.2W (NAD83)

<i>Antrozous pallidus</i> , pallid bat		1 male (a, nr)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (a, p)
<i>Lasiurus cinereus</i> , hoary bat		2 males (a, nr)
<i>Myotis californicus</i> , California myotis		1 female (a, nr)
<i>Myotis thysanodes</i> , fringed myotis		1 female (a, nr)
Total species	=	5
Total individuals	=	6
Grand Total Species	=	10
Grand Total Individuals	=	43

Day 04 29 May 2008

Location #1: SWRS Pool.

Site #1: One 3H-18-foot net at road-end and two 42-foot nets at long sides of pool and one 30-foot net across shallow end of pool forming a box set. Start Time: 1945, End Time: 2215. Start Temp: 65°F, End Temp: 50°F

GPS: 31°53.027N; 109°12.327W (NAD27)

<i>Pipistrellus hesperus</i> , western pipistrelle		unknown (escaped)
Total species	=	1
Total individuals	=	1

Site #2: One 18-foot mist net and one 30-foot mist net and one 42-foot mist net set in a large V formation in meadow near hummingbird feeders, crossing small creek and 5x10-foot pool with a swoop zone of 75x100-feet. Start Time: 2000, End Time: 2330. Start Temp: 68°F, End Temp: 50°F

GPS: 31°53.001N; 109°12.316W (NAD83)

<i>Choeronycteris mexicana</i> , Mexican long tongued bat		8 females (7p, 1l)
Total species	=	1
Total individuals	=	1

Site #3: One 8-foot mist net in creek behind dorms over an 8x100-foot pool with a 50x200-foot swoop zone, and one 42-foot mist net across bridge over creek. Start Time: 1945, End Time: 2330. Start Temp: 68°F, End Temp: 50°F

GPS: 31°53.000N; 109°12.30W (NAD83)

<i>Eptesicus fuscus</i> , big brown bat		1 male (a, nr)
<i>Lasiurus cinereus</i> , hoary bat		2 males (a, nr)
<i>Myotis californicus</i> , California myotis		1 male (a, nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		1 male (a, nr)
Total species	=	4
Total individuals	=	5

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Site #4: One large harp trap set over an 8x50-foot pool in creek behind dorms with an 8x100-foot swoop zone. Start Time: 1945, End Time: 2330. Start Temp: 68°F, End Temp: 50°F

GPS: 31°53.000N; 109°12.30W (NAD83)

<i>Myotis californicus</i> , California myotis		1 female (a, nr)
<i>Myotis volans</i> , long-legged myotis		2 females (a, nr)
Total species	=	2
Total individuals	=	3

Site #5: One large harp trap set in creek behind buildings over an 8x100-foot pool in stream with an 8x150-foot swoop zone. Start Time: 2000, End Time: 2330. Start Temp: 68°F, End Temp: 50°F.

GPS: 31°53.000N; 109°12.30W (NAD83)

<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male (a, nr)
<i>Myotis californicus</i> , California myotis		1 female (a, nr)
Total species	=	2
Total individuals	=	2
Grand total species	=	8
Grand total individuals	=	19

Location 2: Rustler Peak, Barfoot Campground, wet meadow. Start Time: 1930, End Time 2300. Start Temp: 66.2°F, End Temp: 52.5°F.

Site #1: One large harp trap set over road between small pines where pipe from meadow leaks.

GPS: 31°54.825N; 109°15.770W (NAD83)

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 female (a, l) – mortality
<i>Myotis auriculus</i> , southwestern myotis		7 (5 females (4nr, 1p), 2 males (a, nr))
<i>Myotis californicus</i> , California myotis		1 male (a, nr)
<i>Myotis thysanodes</i> , fringed myotis		1 male (a, nr)
<i>Myotis volans</i> , long-legged myotis		25 (19 females (15nr, 4p), 6 males (a, nr))
Total species	=	5
Total individuals	=	35

Site #2: Two 18-foot mist nets and seven 42-foot mist nets set in a large V-formation over water filled road rut 4x200-feet with a swoop zone of 10x300-feet, caused by leaky pipe draining meadow.

GPS: 31°54.825N; 109°15.770W (NAD83)

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		2 females (a, p)
<i>Eptesicus fuscus</i> , big brown bat		8 males (a, nr)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat		1 female (a, p)
<i>Lasionycteris noctivagans</i> , silver-haired bat		3 (1 female (a, nr), 2 males (a, nr))
<i>Myotis auriculus</i> , southwestern myotis		19 (11 females (8nr, 3p), 8 males (a, nr))
<i>Myotis californicus</i> , California myotis		2 females (a, p)
<i>Myotis thysanodes</i> , fringed myotis		3 males (nr)
<i>Myotis volans</i> , long-legged myotis		16 (15 females (2p, 13nr), 1 male (a, nr))
Total species	=	8
Total individuals	=	54
Grand total species	=	8
Grand total individuals	=	91

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Summary of Capture Results — Session II: 26 thru 29 May 2008

Six 8-foot nets, twenty-five 18-foot nets, seven 30-foot nets, thirteen 42-foot nets, four 3H-18-foot stacked nets, and eleven large harp traps.

(Total net/trap-hours = 234.75)

<i>Antrozous pallidus</i> , pallid bat	2 males (nr)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	12 females (10p, 2l)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	3 females (2p, 1l)
<i>Eptesicus fuscus</i> , big brown bat	66 (3 females (1p, 2nr), 63 males (nr))
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	2 (1 female (p), 1 male (nr))
<i>Lasionycteris noctivagans</i> , silver-haired bat	9 (1 female (nr), 8 males (nr))
<i>Lasiurus blossevillii</i> , western red bat	2 (1 female (p), 1 male (nr))
<i>Lasiurus cinereus</i> , hoary bat	12 (11 males (nr), 1 unknown)
<i>Lasiurus xanthinus</i> , western yellow bat	2 (1 female (nr), 1 male (nr))
<i>Leptonycteris yerbabuenae</i> , lesser long-nosed bat	1 male (a, nr)
<i>Myotis auriculus</i> , southwestern myotis	46 (28 females (4p, 24nr), 18 males (nr))
<i>Myotis californicus</i> , California myotis	67 (32 females (3p, 29nr), 34 males (nr), 1 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis	2 males (nr)
<i>Myotis thysanodes</i> , fringed myotis	10 (5 females (nr), 5 males (nr))
<i>Myotis</i> unknown, Unknown myotis	3 unknown
<i>Myotis velifer</i> , cave myotis	18 (7 females (nr), 11 males (nr))
<i>Myotis volans</i> , long-legged myotis	71 (50 females (7p, 1l, 42nr), 21 males (nr))
<i>Pipistrellus hesperus</i> , western pipistrelle	16 (1 female (nr), 14 males (nr))
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	3 (1 females (nr), 2 males (nr))
Unknown bats (escaped before identification)	4 unknown
Total species	= 18
Total individuals	= 351

p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive

Summary of Capture Results — Session I thru II: 01 June thru 10 June 2008

Thirteen 8-foot mist nets, forty-five 18-foot mist nets, thirteen 30-foot mist nets, twenty-five 42-foot mist nets, two 2H-18-foot net stacks, one 2H-30-foot net stack, five 3H-18-foot net stacks, and twenty-two harp traps

(Total net/trap-hrs = 418)

<i>Antrozous pallidus</i> , pallid bat	4 males (nr)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	37 females (34p, 2l, 1nr)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	4 (3 females (2p, 1l), 1 male (a, s))
<i>Eptesicus fuscus</i> , big brown bat	75 (3 females (1p, 2nr), 72 males (nr))
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	4 (1 female (p), 3 males (nr))
<i>Lasionycteris noctivagans</i> , silver-haired bat	13 (1 female (nr), 12 males (nr))
<i>Lasiurus blossevillii</i> , western red bat	3 (2 females (p), 1 male (nr))
<i>Lasiurus cinereus</i> , hoary bat	16 (1 female (nr), 14 males (nr), 1 unknown)
<i>Lasiurus xanthinus</i> , western yellow bat	2 (1 female (nr), 1 male (nr))
<i>Leptonycteris yerbabuenae</i> , lesser long-nosed bat	1 male (a, nr)
<i>Myotis auriculus</i> , southwestern myotis	66 (33 females (6p, 27nr), 32 males (nr), 1 unknown)
<i>Myotis californicus</i> , California myotis	91 (41 females (3p, 38nr), 49 males (nr), 1 unknown)
<i>Myotis ciliolabrum</i> , western small-footed myotis	3 males (1 f (nr), 2m (nr))
<i>Myotis thysanodes</i> , fringed myotis	18 (6 females (nr), 12 males (nr))
<i>Myotis</i> unknown, Unknown myotis	4 unknown
<i>Myotis velifer</i> , cave myotis	27 (9 females (nr), 18 males (nr))
<i>Myotis volans</i> , long-legged myotis	94 (62 females (7p, 1l, 54nr), 31 males (nr), 1 unknown)
<i>Pipistrellus hesperus</i> , western pipistrelle	16 (1 female (nr), 14 males (nr), 1 unknown)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	14 (1 females (nr), 13 males (nr))
Unknown bats (escaped before identification)	4 unknown
Total species	= 18
Total individuals	= 496

Notable captures and other observations:

Tadarida brasiliensis did not seem to be in residence at Statue Cave during our survey period this year.

One *Corynorhinus townsendii* died shortly after being removed from the harp trap. No explanation can be determined for the death though it was noted that the bat in question was unusually full of parasites. It seems as if in some years *Corynorhinus* are more fragile than in others. Mortalities were also noted for this species in 2001. Specimens were deposited with the USDA Animal and Plant Health Inspection Service (APHIS).

The "water for wildlife" tank at Silver Creek appears to have a clogged intake hose and was not filling at all this year. The spring seems to be in good shape and adequate water appears to be available for feeding the tank. The creek adjacent to the tank and downstream from the tank were netted this year; see capture report above for details.

This year's workshop was marked by unseasonably windy and cold weather, with sleet and snow overnight and in the early morning hours of 23 May. Bat captures reflected this. Also, captures during the coldest, windy nights were overwhelmingly female (about 86% of bats captured). During normal years, we usually don't capture more than 50% female bats of any species along the creek. Possibly the males and non-reproductive females chose to conserve energy and enter torpor during the inclement weather, whereas the reproductive females needed to maintain energy levels so they had to come out and feed. We also caught a record number of *Choeronycteris mexicana* this year (37; 36 of which were pregnant or lactating).

Please direct all inquiries about this information to:

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p = pregnant, l = lactating, pl = post-lactating, nr = non-reproductive

Unless otherwise noted, all bats are assumed adult and males are assumed to be non-reproductive