

2007 BCI Bat Conservation and Management Workshop – Portal, AZ
 AZ: Cochise County, Coronado National Forest, Chiricahua Mountains
 Summary of Capture Data

J.Tyburec/Tucson

Session I

Day 01: 01 June 2007

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: Start Time: 1945, End Time: 2230; Start Temp: 68.4°F, End Temp: 63.5°F
 One 18-foot net set over a 15x100 foot pool in creek with a swoop zone of 15x200 feet just upstream from water crossing.

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

Site #2: Start Time: 1945, End Time: 2230; Start Temp: 68.4°F, End Temp: 63.5°F
 One large harp trap set over 5x100 foot wide pool in creek with a swoop zone of 5x100 feet, on the upstream side of the new bridge.

<i>Myotis californicus</i> , California myotis		1 male (nr)
Total species	=	1
Total individuals	=	1

Site #3: Start Time: 1940, End Time: 2240; Start Temp: 63.5°F, End Temp: 59.5°F
 One large harp trap set over 12x25 foot pool in stream with a 15x40 foot swoop zone just down stream from water crossing.

<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Myotis californicus</i> , California myotis		4 males (nr)
Total species	=	2
Total individuals	=	5

Site #4: Start Time: 1940, End Time: 2240; Start Temp: 63.5°F, End Temp: 59.5°F
 Two 18-foot mist nets set in a roughly V-formation over a 12x25 foot pool in stream with a 15x40 foot swoop zone just down stream from Site #3.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat		7 males (nr)
<i>Lasiurus cinereus</i> , hoary bat		2 males (nr)
<i>Myotis auriculus</i> , southwestern myotis		1 male (nr)
<i>Myotis californicus</i> , California myotis		1 male (nr)
<i>Myotis volans</i> , long-legged myotis		3 females (2l, 1p)
<i>Pipistrellus hesperus</i> , western pipistrelle		6 males (nr)
Total species	=	7
Total individuals	=	21

Site #5: Start Time: 1930, End Time: 2245; Start Temp: 70.7°F, End Temp: 62.6°F
One 18-foot mist net set over a 15x25 foot pool in stream with a swoop zone of 30x50 feet downstream from site #4.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat		2 males (nr)
<i>Lasiurus cinereus</i> , hoary bat		2 males (nr)
<i>Myotis californicus</i> , California myotis		1 male (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		1 male (nr)
Total species	=	6
Total individuals	=	8

Site #6: Start Time: 1930, End Time: 2245; Start Temp: 70.7°F, End Temp: 62.6°F
One large harp trap set over a 5x25 foot pool in stream with a swoop zone of 5x50 feet, downstream from site #5.

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

Site #7: Start Time: 1930, End Time: 2245; Start Temp: 70.7°F, End Temp: 62.6°F
One 18-foot mist net set over a 15x15 foot pool in stream with a swoop zone of 15x50 feet, downstream from site #6.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Lasiurus cinereus</i> , hoary bat		1 male (nr)
<i>Myotis thysanodes</i> , fringed myotis		1 male (td)
Total species	=	3
Total individuals	=	3

Site #8: Start Time: 1920, End Time: 2230; Start Temp: 69.8°F, End Temp: 64.4°F
One 8-foot and one 18-foot mist net set in a wide V-formation over an 8x15 foot pool in stream with a 25x100 foot swoop zone and an 18-foot mist net set over an 8x100 foot section of stream about 20 yards away.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Lasiurus cinereus</i> , hoary bat		1 male (nr)
<i>Myotis thysanodes</i> , fringed myotis		1 female (nr)
Total species	=	3
Total individuals	=	3
Grand Total Species	=	10
Grand Total Individuals	=	50

Day 02: 02 June 2007

Location #1: Lower Cave Creek Canyon creek locations at Idlewilde Campground.

Site #1: Start Time: 2000, End Time: 2245; Start Temp: 73.4°F, End Temp: 62.6°F.
One large harp trap set upstream from back of campground, almost to Stewart Bridge.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (l)
<i>Lasiurus cinereus</i> , hoary bat		1 male (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 #2: Start Time: 2000, End Time: 2245; Start Temp: 73.4°F, End Temp: 62.6°F.
One 18-foot mist net set over a 10x20 foot pool in creek with a 10x30 foot swoop zone near "big rock" at back of campground and one 18-foot mist net set perpendicular to this in an L-formation along the bank.

<i>Antrozous pallidus</i> , pallid bat		2 males (nr)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (p)
<i>Myotis auriculus</i> , southwestern myotis		1 female (p)
Total species	=	3
Total individuals	=	3

Site #3: Start Time: 2000, End Time: 2240; Start Temp: 71.2°F, End Temp: 62.6°F.
One large harp trap set over a 10x10 foot pool in the stream with a 10x20 foot swoop zone.

<i>Antrozous pallidus</i> , pallid bat		2 males (nr)
<i>Eptesicus fuscus</i> , big brown bat		2 males (nr)
<i>Myotis auriculus</i> , southwestern myotis		4 (3 females (l), 1 male (nr))
<i>Myotis ciliolabrum</i> , western small-footed myotis		1 male (nr)
<i>Myotis volans</i> , long-legged myotis		1 female (l)
Total species	=	5
Total individuals	=	10

Site #4: Start Time: 2000, End Time: 2240; Start Temp: 71.2°F, End Temp: 62.6°F.
One 8-foot mist net set over an 8x10 foot pool in the stream with an 8x20 foot swoop zone.

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

*also caught a whiskered screech owl.

Site #5: Start Time: 2000, End Time: 2240; Start Temp: 71.2°F, End Temp: 62.6°F.
One 18-foot mist net set over a 10x10 foot pool in the stream with a 10x20 foot swoop zone.

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

Site #6: Start Time: 1930, End Time 2240; Start Temp: 70.3°F, End Temp: 63.1°F.
One large harp trap set over a 12x30 foot pool in stream with a 15x50 foot swoop zone.

<i>Myotis californicus</i> , California myotis		1 female (nr)
Total species	=	1
Total individuals	=	1

Site #7: Start Time: 1930, End Time 2240; Start Temp: 70.3°F, End Temp: 63.1°F.
One 18-foot mist net set over a 12x30 foot pool in stream with a 15x50 foot swoop zone.

<i>Eptesicus fuscus</i> , big brown bat		1 male (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: Start Time: 1930, End Time 2240; Start Temp: 70.3°F, End Temp: 63.1°F.

One 18-foot mist net set over a 12x30 foot pool in stream with a 15x50 foot swoop zone.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis		1 male (nr)
<i>Myotis californicus</i> , California myotis		1 female (nr)
<i>Myotis volans</i> , long-legged myotis		1 male (nr) – found on road
Total species	=	5
Total individuals	=	5

Site #9: Start Time: 2000, End Time 2245; Start Temp: 73.6°F, End Temp: 70.7°F.

One 30-foot mist net set over a 20x50 foot pool in stream with a 25x100 foot swoop zone.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (p)
<i>Eptesicus fuscus</i> , big brown bat		1 female (nr)
<i>Lasiurus cinereus</i> , hoary bat		4 males (nr)
<i>Myotis californicus</i> , California myotis		1 male (nr)
<i>Myotis volans</i> , long-legged myotis		1 male (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		1 male (nr)
Total species	=	6
Total individuals	=	9

Site #10: Start Time: 2000, End Time 2245; Start Temp: 73.6°F, End Temp: 70.7°F.

One 3H-18-foot mist net set over a 20x60 foot pool in stream with a 20x100 foot swoop zone.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat		4 (1 female (nr), 3 males (nr))
<i>Lasiurus xanthinus</i> , western yellow bat		1 male (nr)
<i>Myotis californicus</i> , California myotis		2 males (nr)
<i>Myotis volans</i> , long-legged myotis		1 male (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		8 (1 female (nr), 8 males (nr))
Total Species	=	6
Total Individuals	=	17
Grand Total Species	=	11
Grand Total Individuals	=	52

Day 03: 03 June 2007

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

Site #1: Start Time: 1950, End Time: 2235. Start Temp: 71.1°F, End Temp: 65.1°F.

One 8-foot mist nets and one 42-foot mist net set in a T-configuration with the 8-foot net over a 12x50 foot pool and the 42-foot net over the bank with a swoop zone of 12x100 feet.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Myotis volans</i> , long-legged myotis		1 female (nr)
Total Species	=	3
Total Individuals	=	3

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: Start Time: 1950, End Time: 2235. Start Temp: 71.1°F, End Temp: 65.1°F.

One large harp trap set over a pool in the creek 8x50 feet with a swoop zone of 8x50.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis		1 female (p)
<i>Myotis californicus</i> , California myotis		2 females (nr)
<i>Myotis volans</i> , long-legged myotis		1 male (nr)
Total Species	=	4
Total Individuals	=	5

Site #3: Start Time: 1950, End Time: 2235. Start Temp: 71.1°F, End Temp: 65.1°F.

One 18-foot mist net set over a 12x50 foot pool in stream with a swoop zone of 12x100 feet.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis		1 female (p)
<i>Myotis cili/cal</i> , indistinguishable silly cal myotis		1 female (nr)
<i>Myotis thysanodes</i> , fringed myotis		1 male (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		2 males (nr)
Total Species	=	6
Total Individuals	=	7

Site #4: Start Time: 1950, End Time: 2230. Start Temp: 70.3°F, End Temp: 65.1°F.

Two 18-foot mist nets set in a V-configuration over an 8x20 foot pool in the stream with a swoop zone of 10x40 feet.

<i>Antrozous pallidus</i> , pallid bat		2 males (nr)
<i>Eptesicus fuscus</i> , big brown bat		5 males (nr)
<i>Lasiurus cinereus</i> , hoary bat		2 (1 female (nr), 1 male (nr))
<i>Myotis auriculus</i> , southwestern myotis		2 (1 female (nr), 1 male (nr))
<i>Myotis californicus</i> , California myotis		1 female (nr)
<i>Myotis ciliolabrum</i> , western small-footed myotis		2 (1 female (nr), 1 male (nr))
<i>Myotis velifer</i> , cave myotis		1 male (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		2 males (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		1 male (nr)
Total Species	=	9
Total Individuals	=	18

Set #5: Start Time: 1950, End Time: 2230. Start Temp: 70.3°F, End Temp: 65.1°F.

One 18-foot mist net set over a 15x25 foot pool in the stream with a 15x50 foot swoop zone.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (p)
<i>Eptesicus fuscus</i> , big brown bat		2 males (nr)
<i>Lasiurus cinereus</i> , hoary bat		1 male (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (nr)
Total Species	=	4
Total Individuals	=	5

Site #6: Start Time: 1950, End Time: 2230. Start Temp: 70.3°F, End Temp: 65.1°F.

One large harp trap set over a dry section of the stream between and under vegetation.

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: Start Time: 1925, End Time: 2225. Start Temp: 71.6°F, End Temp: 69.3°F.

One 18-foot mist net set over a 16x60 foot pool in stream with a 20x60 foot swoop zone.

<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis		2 (1 female (p), 1 male (nr))
<i>Myotis californicus</i> , California myotis		1 male (nr)
<i>Myotis ciliolabrum</i> , western small-footed myotis		1 male (nr)
<i>Myotis thysanodes</i> , fringed myotis		1 female (l)
<i>Myotis volans</i> , long-legged myotis		2 (1 female (nr), 1 male (nr))
Total Species	=	7
Total Individuals	=	9

Site #8: Start Time: 1925, End Time: 2225. Start Temp: 71.6°F, End Temp: 69.3°F.

One 18-foot mist net set over a 12x40 foot pool in stream with a 20x80 foot swoop zone.

<i>Eptesicus fuscus</i> , big brown bat		1 female (nr)
<i>Myotis thysanodes</i> , fringed myotis		1 male (nr)
Total Species	=	2
Total Individuals	=	2

Site #9: Start Time: 1925, End Time: 2225. Start Temp: 71.6°F, End Temp: 69.3°F.

One large harp trap set over an 8x8 foot pool in stream with an 8x80 foot swoop zone.

<i>Lasiurus cinereus</i> , hoary bat		1 female (nr)
<i>Myotis auriculus</i> , southwestern myotis		2 males (nr)
<i>Myotis ciliolabrum</i> , western small-footed myotis		2 males (nr)
<i>Myotis volans</i> , long-legged myotis		1 male (nr)
Total Species	=	4
Total Individuals	=	6

Site #10: Start Time: 2000, End Time: 2030. Start Temp: 73.4°F, End Temp: 73.4°F.

One 3H-30-foot mist net set over a dry section of creek under overhanging trees (nets closed and removed after 30-minutes due to high winds).

<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
Total Species	=	1
Total Individuals	=	1
Grand Total Species	=	14
Grand Total Individuals	=	56

Day 04: 04 June 2007

Location #1: Rustler Peak, Barfoot campground, wet meadow. Start Time: 2000, End Time: 2245; Start Temp: 64.8°F, End Temp: 61.5°F.

Site #1: One large Austbat harp trap set perpendicular to road west of meadow where spring pipe leaks out onto road, in between small pine trees on edge of road (only one half of one side of trap was strung).

<i>Eptesicus fuscus</i> , big brown bat		2 males (nr)
<i>Myotis auriculus</i> , southwestern myotis		10 (5 females (2p, 2l, 1nr), 5 males (nr))
<i>Myotis volans</i> , long-legged myotis		5 (3 females (2p, 1l), 1 male (nr), 1 unknown)
Total species	=	3
Total individuals	=	17

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 30-foot mist net and five 42-foot mist nets set in a large V-configuration over water-filled road rut formed by seep from leaky spring pipe. Open water in road rut is 2x100 feet with a swoop zone of 30x100 feet.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	7 females (2p, 5l) – 1 mortality (l)
<i>Eptesicus fuscus</i> , big brown bat	6 (5 males (nr), 1 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 female (p)
<i>Myotis auriculus</i> , southwestern myotis	9 (3 females (2p, 1nr), 6 males (nr))
<i>Myotis thysanodes</i> , fringed myotis	5 (1 female (l), 4 males (nr))
<i>Myotis volans</i> , long-legged myotis	11 (9 females (3p, 6nr), 2 males (nr))
Total species	= 6
Total individuals	= 39
Grand Total Species	= 6
Grant Total Individuals	= 56

Location #2: Pool at Southwestern Research Station. Start Time: 1945, End Time: 2330. Start Temp: 70.3°F, End Temp: 59.2°F.

Site #1: One 3H-18-foot net set at roadside end, two 42-foot nets running off triple-high set and along long edge, one 18-foot net set across shallow end, and one 8-foot net; forming a box.

<i>Lasiurus cinereus</i> , hoary bat	2 males (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male (nr)
<i>Myotis ciliolabrum</i> , western small-footed myotis	1 male (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	8 (3 females (nr), 5 males (nr))
Total species	= 4
Total individuals	= 12

Site #2: Start Time: 1940, End Time: 2330. Start Temp: 68°F, End Temp: 60.8°F.
One 8-foot mist net, one 18-foot mist net, and one 42-foot mist net set near bridge, over 8x40 pool in creek with a 20x70 foot swoop zone, behind dorms at SWRS.

<i>Lasiurus cinereus</i> , hoary bat	2 males (nr)
<i>Myotis velifer</i> , cave myotis	1 male (nr)
Total species	= 2
Total individuals	= 3

Site #3: Start Time: 1935, End Time: 2330. Start Temp: 68°F, End Temp: 60.8°F.
One large harp trap set over a 10x40 foot pool in creek with a 10x10 foot swoop zone.

<i>Lasiurus blossevillii</i> , western red bat	1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis	2 (1 female (nr), 1 male (nr))
<i>Myotis californicus</i> , California myotis	1 male (nr)
<i>Myotis velifer</i> , cave myotis	1 female (nr)
<i>Myotis volans</i> , long-legged myotis	2 (1 female (nr), 1 male (nr))
Total species	= 5
Total individuals	= 7

Site #4: Start Time: 1935, End Time: 2330. Start Temp: 68°F, End Temp: 60.8°F.
One 8-foot mist net set over a 10x40 foot pool in stream with a 10x10 foot swoop zone.

<i>Myotis volans</i> , long-legged myotis	1 male (nr)
Total species	= 1
Total individuals	= 1
Grand Total Species	= 9
Grand Total Individuals	= 23

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: 1 thru 4 June 2007

Six 8-foot nets, twenty 18-foot nets, two 30-foot nets, nine 42-foot nets, two 3H 18-foot stacked nets, one 3H 30-foot stacked nets, and eleven large harp traps.

(Total net/trap-hours = 155.54)

<i>Antrozous pallidus</i> , pallid bat	15 males (nr)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	4 females (3p, 1l)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	9 (7 females (2p, 5l), 2 males (nr))
<i>Eptesicus fuscus</i> , big brown bat	40 (3 females (nr), 36 males (nr), 1 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	1 female (p)
<i>Lasionycteris noctivagans</i> , silver-haired bat	2 males (nr)
<i>Lasiurus blossevillii</i> , western red bat	1 male (nr)
<i>Lasiurus cinereus</i> , hoary bat	19 (2 females (nr), 17 males (nr))
<i>Lasiurus xanthinus</i> , western yellow bat	1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis	39 (17 females (8p, 5l, 4nr), 22 males (nr))
<i>Myotis californicus</i> , California myotis	19 (5 females (nr), 14 males (nr))
<i>Myotis ciliolabrum</i> , western small-footed myotis	8 (1 female (nr), 7 males (nr))
<i>Myotis cili/cal</i> , indistinguishable silly-cal myotis	1 female (nr)
<i>Myotis thysanodes</i> , fringed myotis	10 (3 females (2l, 1nr), 7 males (1td, 6nr))
<i>Myotis velifer</i> , cave myotis	3 (1 female (nr), 2 males (nr))
<i>Myotis volans</i> , long-legged myotis	33 (20 females (6p, 5l, 9nr), 12 males (nr))
<i>Pipistrellus hesperus</i> , western pipistrelle	11 males (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	21 (4 females (nr), 17 males (nr))
Total species	= 17
Total individuals	= 237

Session II

Day 01 6 June 2007

Location #1: South Fork of Cave Creek Canyon. Creek locations downstream from bridge over creek crossing (formerly water crossing site).

Site #1 Start Time: 1950, End Time: 2245; Start Temp: 68°F, End Temp: 62.8°F.

Two 18-foot nets set in a wide V over a 20x35' pool in stream with a 20x55' swoop zone.

<i>Eptesicus fuscus</i> , big brown bat	3 males (nr)
<i>Lasiurus cinereus</i> , hoary bat	4 males (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat	1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis	1 female (p)
<i>Myotis volans</i> , long-legged myotis	1 female (p)
<i>Pipistrellus hesperus</i> , western pipistrelle	4 males (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	1 male (nr)
Total species	= 7
Total individuals	= 15

Site #2: Start Time: 1950, End Time: 2245; Start Temp: 68°F, End Temp: 62.8°F.

One large harp trap set in amongst vegetation over a 20x35 foot pool in stream with a 20x55 foot swoop zone.

<i>Antrozous pallidus</i> , pallid bat	2 males (nr)
<i>Myotis californicus</i> , California myotis	1 male (nr)
<i>Myotis volans</i> , long-legged myotis	1 male (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	2 (1 female (nr), 1 male (nr))
Total species	= 4
Total individuals	= 6

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: Start Time: 1945, End Time: 2230; Start Temp: 68°F, End Temp: 62.8°F.
One 18-foot net set over a 15x15 foot pool in stream with a 20x60 foot swoop zone.

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

Site #4: Start Time: 1945, End Time: 2230; Start Temp: 68°F, End Temp: 62.8°F.
One 18-foot mist net set over a 15x15 foot pool in stream with a 10x60 foot swoop zone.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat		1 unknown
<i>Myotis californicus</i> , California myotis		3 females (1p, 1nr)
Total species	=	3
Total individuals	=	4

Site #5: Start Time: 1945, End Time: 2230; Start Temp: 71.6°F, End Temp: 63.5°F.
One large harp set over a 6x30 foot pool in stream with an 8x100 foot swoop zone.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis		1 female (nr)
<i>Myotis californicus</i> , California myotis		7 (3 females (1pl, 2nr), 4 males (nr))
<i>Myotis volans</i> , long-legged myotis		2 males (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (nr)
Total species	=	6
Total individuals	=	13

Site #6: Start Time: 1945, End Time: 2230; Start Temp: 71.6°F, End Temp: 63.5°F.
One 8-foot mist net and one 42-foot mist net set in a parallel configuration and one 18-foot mist net set on opposite end of a 3x20 foot pool in stream with a 20x100 foot stoop zone.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat		5 males (nr)
<i>Myotis auriculus</i> , southwestern myotis		4 (3 females (2pl, 1nr))
<i>Myotis californicus</i> , California myotis		4 (1 female (nr), 3 males (nr))
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (nr)
Total species	=	5
Total individuals	=	15

Site #7: Start Time: 2000, End Time: 2235; Start Temp: 71.6°F, End Temp: 65.7°F.
One 42-foot mist net set along top of downstream side of bridge blocking flyway over the bridge.

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 #8: Start Time: 2000, End Time: 2235; Start Temp: 71.6°F, End Temp: 65.7°F.
One 3H-18-foot mist net set over a 5x50 foot pool in stream with a 15x50-foot swoop zone.

<i>Eptesicus fuscus</i> , big brown bat		3 males (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat		1 male (nr)
<i>Lasiurus cinereus</i> , hoary bat		1 male (nr)
<i>Leptonycteris yerbabuenae</i> , lesser long-nosed bat		1 male (td)
<i>Myotis</i> unknown, Unknown myotis		1 unknown
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		2 males (nr)
Total species	=	7
Total individuals	=	10
Grand total species	=	10
Grand total individuals	=	66

Day 02 07 June 2005

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

Site #1: Start Time: 1945, End Time: 2230; Start Temp: 64.8.3°F, End Temp: 59.9°F.

One large harp trap set over an 8x20 foot pool in creek with an 8x50 foot swoop zone.

<i>Antrozous pallidus</i> , pallid bat		2 males (nr)
<i>Lasiurus cinereus</i> , hoary bat		3 (2 males (nr), 1 unknown)
<i>Myotis auriculus</i> , southwestern myotis		2 males (nr)
<i>Myotis californicus</i> , California myotis		1 male (nr)
Total species	=	4
Total individuals	=	7

Site #2: Start Time: 1945, End Time: 2230; Start Temp: 64.8.3°F, End Temp: 59.9°F.

Two 18-foot mist nets set over an 18x20 foot pool in stream with a 15x30 foot swoop zone.

<i>Lasiurus blossevillii</i> , western red bat		1 male (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (nr)
Total species	=	2
Total individuals	=	2

Site #3: Start Time: 1945, End Time: 2230; Start Temp: 68°F, End Temp: 62.4°F.

One 3H-18-foot mist net set over a 15x100 foot section of creek with a 15x100 foot swoop zone.

<i>Eptesicus fuscus</i> , big brown bat		2 males (nr)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat		1 male (nr)
<i>Lasiurus blossevillii</i> , western red bat		1 male (nr)
<i>Myotis californicus</i> , California myotis		1 male (nr)
<i>Myotis volans</i> , long-legged myotis		1 female (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		1 female (nr)
Total species	=	6
Total individuals	=	7

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: 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.

<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Lasiurus cinereus</i> , hoary bat		2 males (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		3 (2 females (1nr, 1p), 1 male (nr))
Total species	=	3
Total individuals	=	6

Site #5: Start Time: 2000, End Time: 2230; Start Temp: 68°F, End Temp: 62.4°F.
One large harp trap set over an 8x50 foot section of stream with an 8x100 foot swoop zone.

<i>Myotis californicus</i> , California myotis		3 (1 female (nr), 2 males (nr))
<i>Myotis volans</i> , long-legged myotis		1 female (nr)
Total species	=	2
Total individuals	=	4

Site #6: Start Time: 2000, End Time: 2230; Start Temp: 68°F, End Temp: 62.4°F.
One 8-foot mist net and two 18-foot mist nets set over an 8x50 foot section of stream with an 8x100 foot swoop zone.

<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat		1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis		1 male (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (nr)
Total species	=	3
Total individuals	=	3

Site #7: Start Time: 1945, End Time: 2230; Start Temp: 69.3°F, End Temp: 62.4°F.
One 18-foot mist net set over a 12x20 foot pool in creek with a 20x45 foot swoop zone.

<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Lasiurus cinereus</i> , hoary bat		2 males (nr)
<i>Myotis californicus</i> , California myotis		3 (2 females (nr), 1 male (nr))
<i>Myotis volans</i> , long-legged myotis		5 (3 females (1p, 2nr), 2 males (nr))
<i>Pipistrellus hesperus</i> , western pipistrelle		2 males (nr)
Total species	=	5
Total individuals	=	13

Site #8: Start Time: 1945, End Time: 2230; Start Temp: 69.3°F, End Temp: 62.4°F.
One 18-foot mist net set over a 12x20 foot pool in creek with a 20x40 foot swoop zone.

<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 #9: Start Time: 1945, End Time: 2230; Start Temp: 69.3°F, End Temp: 62.4°F.
One large harp trap set over a dry section of creek.

<i>Myotis volans</i> , long-legged myotis		2 (1 female (p), 1 male (nr))
Total species	=	1
Total individuals	=	1
Grand total species	=	10
Grand total individuals	=	47

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 03 08 June 2005
 Location: Lower Cave Creek Canyon, creek locations across from the USDA Forest Service Visitor Information Center.

Site #1 Start Time: 2000, End time: 2225; Start Temp: 72.9°F, End Temp: 68.2°F.
 One large harp trap set over an 8x20 foot pool in stream with a 10x200 foot swoop zone.

<i>Eptesicus fuscus</i> , big brown bat		1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis		1 male (nr)
<i>Myotis californicus</i> , California myotis		1 female (nr)
<i>Myotis volans</i> , long-legged myotis		2 (1 female (nr), 1 male (nr))
<i>Pipistrellus hesperus</i> , western pipistrelle		2 males (nr)
Total species	=	5
Total individuals	=	7

Site #2: Start Time: 2000, End time: 2225; Start Temp: 72.9°F, End Temp: 68.2°F.
 One 8-foot mist net set over an 8x20 foot pool in stream with a 10x200 foot swoop zone.

<i>Eptesicus fuscus</i> , big brown bat		2 males (nr)
<i>Myotis auriculus</i> , southwestern myotis		2 (1 female (p), 1 male (nr))
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (nr)
Total species	=	3
Total individuals	=	5

Site #3: Start Time: 2000, End time: 2225; Start Temp: 72.9°F, End Temp: 68.2°F.
 One 18-foot net and one 30-foot net set over an 8x20' pool with a 10x200' swoop zone.

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

Site #4: Start Time: 1950, End time: 2220; Start Temp: 70°F, End Temp: 64.2°F.
 One 18-foot net and one 42-foot net set over a 10x30' pool with a 10x100' swoop zone.

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

Site #5: Start Time: 1950, End time: 2220; Start Temp: 70°F, End Temp: 64.2°F.
 One large harp trap set over a 10x30 foot pool in stream with a 10x100 foot swoop zone.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 female (p) -- mortality
<i>Myotis auriculus</i> , southwestern myotis		1 female (l)
Total species	=	3
Total individuals	=	3

Site #6: Start Time: 2000, End time: 2220; Start Temp: 71.4°F, End Temp: 69.4°F.
 One 8-foot mist net and two 18-foot mist nets set over a 10x20 foot pool in creek with a 10x100 foot swoop zone.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat		2 males (nr)
<i>Myotis auriculus</i> , southwestern myotis		1 female (p)
<i>Myotis californicus</i> , California myotis		1 female (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 #7: Start Time: 2000, End time: 2220; Start Temp: 71.4°F, End Temp: 69.4°F.
One large harp trap set over a 10x20 foot pool in stream with a 10x100 foot swoop zone.

<i>Antrozous pallidus</i> , pallid bat			1 male (nr)
<i>Eptesicus fuscus</i> , big brown bat			1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis			1 female (p)
<i>Myotis californicus</i> , California myotis			6 (3 females (1p, 1l, 1nr), 3 males (nr))
<i>Myotis velifer</i> , cave myotis			1 male (nr)
Total species	=		5
Total individuals	=		10

Site #8: Start Time: 1955, End time: 2300; Start Temp: 74.5°F, End Temp: 69.4°F.
One 3H-30-foot net set over an 8x50 foot section of steam with a 20x100 foot swoop zone.

<i>Eptesicus fuscus</i> , big brown bat			8 (1 female (p), 7 males (nr))
Total species	=		1
Total individuals	=		8

Site #9: Start Time: 1955, End time: 2300; Start Temp: 74.5°F, End Temp: 69.4°F.
One 8-foot net and one 18-foot net parallel over 8x10' stream with a 20x100' swoop zone.

<i>Eptesicus fuscus</i> , big brown bat			2 males (nr)
<i>Lasiurus cinereus</i> , hoary bat			1 male (nr)
<i>Myotis volans</i> , long-legged myotis			1 male (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle			1 male (nr)
Total species	=		4
Total individuals	=		5
Grand total species	=		9
Grand total individuals	=		49

Day 04 09 June 2007

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.

<i>Lasionycteris noctivagans</i> , silver-haired bat			1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis			2 females (l)
<i>Myotis californicus</i> , California myotis			1 male (nr)
<i>Myotis ciliolabrum</i> , western small-footed myotis			2 males (nr)
<i>Myotis</i> unknown, Unknown myotis			1 unknown
<i>Myotis volans</i> , long-legged myotis			23 (16 females (9p, 4l, 3 nr), 7 males (nr))
Total species	=		5
Total individuals	=		30

Site #2: Three 30-foot mist nets and four 42-foot mist nets set over water filled road rut 3x75 feet with a swoop zone of 20x175 feet, caused by leaky pipe draining meadow.

<i>Myotis auriculus</i> , southwestern myotis			13 (5 females (1l, 4nr), 8 males (nr))
<i>Myotis ciliolabrum</i> , western small-footed myotis			1 male (nr)
<i>Myotis thysanodes</i> , fringed myotis			1 male (nr)
<i>Myotis volans</i> , long-legged myotis			22 (20 females (8p, 6l, 6nr), 2 males (nr))
Total species	=		4
Total individuals	=		37
Grand total species	=		6
Grand total individuals	=		67

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

Location #2: Silver Creek drainage halfway between Portal and Paradise. Start Time: 1955, End Time: 2230; Start Temp: 71.8°F, End Temp: 69.1°F.

Site #1: One 18-foot and one 42-foot net set in a V over 10' dia. tank w/a 20x3000' swoop zone.

<i>Corynorhinus townsendii</i> , Townsend's big-eared bat		1 unknown
<i>Myotis auriculus</i> , southwestern myotis		1 male (nr)
<i>Myotis californicus</i> , California myotis		7 (6 females (nr), 1 male (nr))
<i>Myotis thysanodes</i> , fringed myotis		5 (2 females (nr), 3 males (nr))
<i>Myotis volans</i> , long-legged myotis		1 male (nr)
Total species	=	5
Total individuals	=	15

Site #2: Two 30-foot mist nets set in a wide V-configuration over a 2x60 foot section of stream with a 20x3000 foot swoop zone down stream from water for wildlife tank.

<i>Leptonycteris yerbabuenae</i> , lesser long-nosed bat		1 male (nr)
<i>Myotis auriculus</i> , southwestern myotis		3 (1 female (p), 2 males (nr))
<i>Myotis californicus</i> , California myotis		1 male (nr)
<i>Myotis thysanodes</i> , fringed myotis		1 male (nr)
Total species	=	4
Total individuals	=	6

Site #3: One large harp trap set over a 3x10 foot pool in stream opposite steep bank with a 10x1000 foot swoop zone downstream from Site #2 at bend.

<i>Eptesicus fuscus</i> , big brown bat		1 female (p)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat		1 male (nr)
<i>Myotis californicus</i> , California myotis		14 (7 females (3p, 1l, 3nr), 7 males (nr))
<i>Myotis thysanodes</i> , fringed myotis		4 (3 females (2p, 1nr), 1 male (nr))
<i>Myotis unknown</i> , Unknown myotis		1 unknown
<i>Myotis velifer</i> , cave myotis		1 male (nr)
<i>Myotis volans</i> , long-legged myotis		3 (females (2p, 1nr))
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (nr)
Total species	=	7
Total individuals	=	26
Grand total species	=	10
Grand total individuals	=	47

Location #3: SWRS. Start Time: 1955, End Time: 2330. Start Temp: 67.3°F, End Temp: 55°F

Site #1: Creek behind buildings. One 8-foot net over a 10x10' pool with a 10x30' swoop zone.

<i>Choeronycteris mexicana</i> , Mexican long-tongued bat		1 female (p)
Total species	=	1
Total individuals	=	1

Site #2: SWRS Pool. One 3H-18-foot net at road-end and two 42-foot nets at long sides of pool.

<i>Antrozous pallidus</i> , pallid bat		1 male (nr)
<i>Lasiurus cinereus</i> , hoary bat		2 males (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle		1 male (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat		9 (3 females (nr), 7 males (nr))
Total species	=	4
Total individuals	=	13
Grand total species	=	5
Grand total individuals	=	14

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: 5 thru 10 June 2007

Six 8-foot nets, seventeen 18-foot nets, seven 30-foot nets, ten 42-foot nets, three 3H-18-foot stacked nets, one 3H-30-foot stacked net, and ten large harp traps.

(Total net/trap-hours = 173.36)

<i>Antrozous pallidus</i> , pallid bat	11 males (nr)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	1 female (p)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	2 (1 female (p), 1 unknown)
<i>Eptesicus fuscus</i> , big brown bat	40 (2 females (p), 37 males (nr), 1 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	3 males (nr)
<i>Lasionycteris noctivagans</i> , silver-haired bat	3 males (nr)
<i>Lasiurus blossevillii</i> , western red bat	2 males (nr)
<i>Lasiurus cinereus</i> , hoary bat	16 (15 males (nr), 1 unknown)
<i>Leptonycteris yerbabuenae</i> , lesser long-nosed bat	2 males (1td, 1 nr)
<i>Myotis auriculus</i> , southwestern myotis	34 (17 females (5p, 4l, 2pl, 6nr), 17 males (nr))
<i>Myotis californicus</i> , California myotis	54 (27 females (5p, 2l, 1pl, 19nr), 26 males, 1 unknown)
<i>Myotis ciliolabrum</i> , western small-footed bat	3 males (nr)
<i>Myotis thysanodes</i> , fringed myotis	11 (5 females (2p, 3nr), 6 males (nr))
<i>Myotis velifer</i> , cave myotis	2 males (nr)
<i>Myotis volans</i> , long-legged myotis	65 (47 females (23p, 10l, 14 nr), 18 males (nr))
<i>Myotis</i> unknown, Unknown myotis	3 males (nr)
<i>Pipistrellus hesperus</i> , western pipistrelle	20 males (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	18 (6 females (1p, 5nr), 12 males (nr))
Total species	= 17
Total individuals	= 290

Summary of Capture Results — Session I thru II: 01 June thru 10 June 2007

Twelve 8-foot mist nets, thirty-seven 18-foot mist nets, nine 30-foot mist nets, nineteen 42-foot mist nets, two 3H-30-foot net stack, five 3H-18-foot net stacks, and twenty-one harp traps

(Total net/trap-hrs = 328.9)

<i>Antrozous pallidus</i> , pallid bat	26 males (nr)
<i>Choeronycteris mexicana</i> , Mexican long-tongued bat	5 females (4p, 1l)
<i>Corynorhinus townsendii</i> , Townsend's big-eared bat	11 (8 females (3p, 5l), 2 males (nr), 1 unknown)
<i>Eptesicus fuscus</i> , big brown bat	80 (5 females (2p, 3nr), 73 males (nr), 2 unknown)
<i>Idionycteris phyllotis</i> , Allen's lappet-browed bat	4 (1 female (p), 3 males (nr))
<i>Lasionycteris noctivagans</i> , silver-haired bat	5 males (nr)
<i>Lasiurus blossevillii</i> , western red bat	3 males (nr)
<i>Lasiurus cinereus</i> , hoary bat	35 (2 females (nr), 32 males (nr), 1 unknown)
<i>Lasiurus xanthinus</i> , western yellow bat	1 male (nr)
<i>Leptonycteris yerbabuenae</i> , lesser long-nosed bat	2 males (1td, 1nr)
<i>Myotis auriculus</i> , southwestern myotis	73 (34 females (13p, 9l, 2pl, 10nr), 29 males (nr))
<i>Myotis californicus</i> , California myotis	73 (32 females (5p, 2l, 1pl, 24nr), 40 males (nr), 1 unk)
<i>Myotis ciliolabrum</i> , western small-footed myotis	11 (1 female (nr), 10 males (nr))
<i>Myotis cili/cal</i> , indistinguishable silly-cal myotis	1 female (nr)
<i>Myotis thysanodes</i> , fringed myotis	21 (8 females (2p, 2l, 4nr), 13 males (1td, 12nr))
<i>Myotis</i> unknown, Unknown myotis	3 unknown
<i>Myotis velifer</i> , cave myotis	5 (1 female (nr), 4 males (nr))
<i>Myotis volans</i> , long-legged myotis	98 (67 females (29p, 15l, 23 nr), 30 males nr, 1 unk)
<i>Pipistrellus hesperus</i> , western pipistrelle	31 males (nr)
<i>Tadarida brasiliensis</i> , Mexican free-tailed bat	39 (10 females (1p, 9nr), 29 males (nr))
Total species	= 18
Total individuals	= 523

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

Notable captures and other observations:

Tadarida brasiliensis were in Statue Cave from 02 June thru 07 June (at least) w/nightly emergences lasting from 7 to 12 minutes.

Two *Corynorhinus townsendii* died in nets or shortly after being removed. No explanation can be determined for the deaths. 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 at the University of Arizona vertebrate museum.

The “water for wildlife” tank at Silver Creek appears to have a clogged intake hose and was not filling quick enough to offset evaporation. The level was approximately 5-inches below the rim and could become a serious trap to bats if the hose is not repaired. The spring seems to be in good shape and adequate water is available for feeding the tank. The tank and creek (downstream from the tank) were netted this year.

The “wildlife pond” called Willow Tank off State Line Road is not filling sufficiently to offset evaporation and/or use by cattle (approximately two dozen head of cattle were observed along the rim of the tank during visits). This represents a significant loss of open water for some of the higher, faster flying bats such as *Tadarida brasiliensis*, *Nyctinomops femorosaccus*, and *Nyctinomops macrotis*. Re-establishment of a permanent water source at this site will serve not only these, but also other bat and animal species that depend upon large expanses of water. As more and more development occurs in this area and more rangeland is sold off for housing, remaining tanks these bats rely upon will no longer be available and the bigger species may be extirpated from the area.

Please direct all inquiries about this information to:
J.Tyburec, P.O. Box 86493, Tucson AZ 85754; cell 520.404.7406; e-mail: jtyburec@mac.com