

Locality: Zuni Mountains, Bonita Canyon, 6.3 miles N Hwy 53 on #R 447

Project: Mammals of Gila, Mammal Class 2014 Dates: 13 Mar 2015 GPS Name: Marmosa

Habitat Type (check one):

- Shortgrass Plains (blue grama, honey mesquite, Ephedra, and yucca)
- Sacaton Grassland (sacaton grass, Thurber's pepperwood, sunflower, silver-leaf nightshade)
- Sycamore riparian (sycamore, Arizona walnut, desert willow, pale wolf-berry)
- Cottonwood riparian (cottonwood, Goodding's willow)
- Oak savannah (desert scrub oak, alligator juniper, agave, sideoats grama, manzanita)
- Oak Woodland (Gambel's oak, Arizona oak)
- Pinion-Juniper (Pinion pine, one-seeded juniper) + ponderosa pine
- Ponderosa (ponderosa pine, Gambel's oak, alligator juniper)
- Mixed Conifer (Douglas fir, Apache pine, Ponderosa pine)
- Chapparral (mountain mahogany, manzanita, silverleaf oak)

Estimation of vegetative cover % Tree 30% Shrub _____ Forb _____ Other notes? Some grasses + better soil cont

Date 13 Mar 2015
 Trapline Name MLW, MLL, RRA
 Shermans 40 Museum Sp. 20 Rat traps 20
 Pitfalls: Macabees Tomahawks
S. facing slope red rocky cliffs + slopes 10-30%.
Sparsely understory

Species	NK #	GPS Waypoint
Peromyscus truei	257329	Marmosa 039
P. truei	257324	Mar. 040
P. nasutus	257326	Mar. 041
P. truei	257325	Mar. 042
P. nasutus	257327	Mar. 043
P. nasutus	257328	Mar. 044
P. truei	257329	Mar. 045

Date 14 Mar 2015
 Trapline Name MLW, MLL, RRA
 Shermans 39 Museum Sp. 20 Rat traps 20
 Pitfalls: _____ Macabees _____ Tomahawks _____

Species	NK #	GPS Waypoint
Peromyscus truei		Sorex 021
Peromyscus truei		Sorex 022

Start trapline N. 35.03268
 W. 107.9831
 elev. 2300m
 end trapline N. 35.08295
 W. 107.98071 elev. 2369m

FR447
Locality: NM; Cibola County; Zuni Mtns.; Bonita Canyon, ~8.5 km N Hwy 53

Project: ~~Mammals of Gila, Mammal Class 2014~~ Dates: 12-13 March 2015 GPS Name: Sorex

Habitat Type (check one):

- Shortgrass Plains (blue grama, honey mesquite, Ephedra, and yucca)
- Sacaton Grassland (sacaton grass, Thurber's pepperwood, sunflower, silver-leaf nightshade)
- Sycamore riparian (sycamore, Arizona walnut, desert willow, pale wolf-berry)
- Cottonwood riparian (cottonwood, Goodding's willow)
- Oak savannah (desert scrub oak, alligator juniper, agave, sideoats grama, manzanita)
- Oak Woodland (Gambel's oak, Arizona oak)
- Pinion-Juniper (Pinion pine, one-seeded juniper)
- Ponderosa (ponderosa pine, Gambel's oak, alligator juniper)
- Mixed Conifer (Douglas fir, Apache pine, Ponderosa pine)
- Chapparral (mountain mahogany, manzanita, silverleaf oak)

Estimation of vegetative cover % Tree 15 Shrub 0 Forb 20 Other notes?

Date 13 March
Trapline Name KUB 01

Shermans / Museum Sp. 45 Rat traps 15
Pitfalls / Macabees / Tomahawks /

Species	NK #	GPS Waypoint

Date 13 March
Trapline Name DMK-CACB

Shermans 40 Museum Sp. 34 Rat traps /
Pitfalls / Macabees / Tomahawks /

Species	NK #	GPS Waypoint
<u>Peromyscus truei</u>		<u>Sorex 017</u>

14 March
DMK-CACB

Shermans 40, Museum Spec. 34

1 Tamias dorsalis ^{NK} 257385 Marm 46

Locality: NM: Cibola Co., Cibola NF, Zuni Mtns, Bonita Canyon, FR447, 5.3mi / 8.5km

Project: ~~Mammals of Gila, Mammal Class 2014~~ Dates: 12-13 March GPS Name: N Hwy 53
Glaucomys

Habitat Type (check one):

- Shortgrass Plains (blue grama, honey mesquite, Ephedra, and yucca)
 Sacaton Grassland (sacaton grass, Thurber's pepperwood, sunflower, silver-leaf nightshade)
 Sycamore riparian (sycamore, Arizona walnut, desert willow, pale wolf-berry)
 Cottonwood riparian (cottonwood, Goodding's willow)
 Oak savannah (desert scrub oak, alligator juniper, agave, sideoats grama, manzanita)
 Oak Woodland (Gambel's oak, Arizona oak)
 Pinion-Juniper (Pinion pine, one-seeded juniper) Sandstone, some alligator juniper
 Ponderosa (ponderosa pine, Gambel's oak, alligator juniper)
 Mixed Conifer (Douglas fir, Apache pine, Ponderosa pine)
 Chapparral (mountain mahogany, manzanita, silverleaf oak)

Estimation of vegetative cover % Tree 15 Shrub 5 Forb 45 Other notes?

Date 13 March 2015
Trapline Name DJJ1
Shermans 40 Museum Sp. 40 Rat traps ___
Pitfalls ___ Macabees ___ Tomahawks ___

Species	NK #	GPS Waypoint
<i>P. maniculatus</i>	257316	Glau 1
<i>P. truei</i>	257319	Glau 4
<i>P. truei</i>	257320	Glau 5
<i>P. maniculatus</i>	257322	Glau 9
<i>P. truei</i>	257335	Glau 7
<i>P. boylii</i>	257336	Glau 6
<i>P. maniculatus</i>	257337	Glau 10
<i>P. truei</i>	257318	Glau 3
<i>P. boylii</i>	257321	Glau 8
<i>P. maniculatus</i>	257323	Glau 10
<i>P. truei</i>	257317	Glau 2

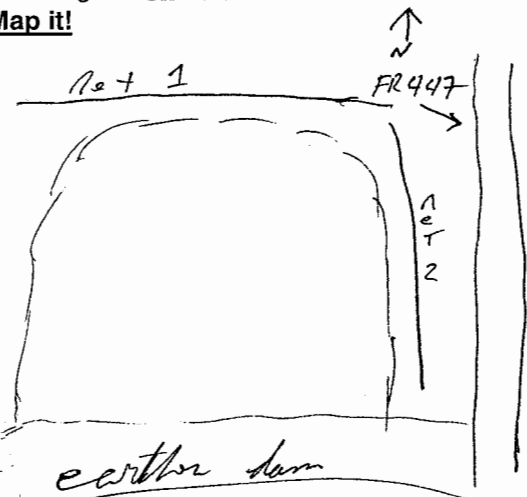
Date 14 March 2015
Trapline Name DJJ1
Shermans 38 Museum Sp. 40 Rat traps ___
Pitfalls ___ Macabees ___ Tomahawks ___

Species	NK #	GPS Waypoint
<i>Neotoma crawfordi</i>	257341	Glau 14 - DJJ1
<i>P. maniculatus</i>	257354	Glau 13
<i>Reithrodontomys megalotis</i>	257355	Glau 15
<i>P. truei</i>	257356	
<i>P. maniculatus</i>	257359	Glau 12

BAT NET DATA SHEET

marmosa 066

Locality: NM, Cibola County, Bonita Canyon Lat: _____ Long: _____ Elev _____
 Date: 13 March 2015 Collectors: P. Seckson et al.
 # of Nets: 2 x Length: 60 ^{ft} x open @ 7 pm closed: 11 pm = 480 ^{ft} ²/night
 Moon Phase: _____ Rain: 0 hrs Wind: _____ hrs Temp: _____
 Notes: earthen water tank

Net #: 132
 Habitat: Ponderosa Woodland
 Canopy: 0 1 2 3 4 5 6 7 8 9
 Understory: 0 1 2 3 4 5 6 7 8 9
 Water: running; pond (size 60x60)
 Distance from water: < 10 ft
 Roosting site: _____
Map it!


Captures:

Species	Sex	Time	Bag #	NK #
<u>March 13 2015</u>				
<u>March 14 2015</u>				
<u>Lesionycteris noctivagans</u>	<u>♂</u>	<u>10:08 pm</u>	<u>257396</u>	<u>257396</u>

Net #: _____
 Habitat: _____
 Canopy: 0 1 2 3 4 5 6 7 8 9
 Understory: 0 1 2 3 4 5 6 7 8 9
 Water: running pond (size _____ x _____)
 Distance from water: _____
 Roosting site: _____
Map it!

Captures:

Species	Sex	Time	Bag #	NK #

Cover Classes

0 = 0-9%; 1 = 10-19%; 2 = 20-29%; 3 = 30-39%; 4 = 40-49%; 5 = 50-59%; 6 = 60-69%; 7 = 70-79%; 8 = 80-89%; 9 = 90-100%

~~MLC-KCB~~

Locality: NM: Cibola Co.; Zuni Mtns.; Bonita Canyon, FR447, 20 km N Hwy 53, 1 mi, S Zuni Canyon jct.

Project: Mammals of Gila, Mammal Class 2014 Dates: 12-13 March 2015 GPS Name: Sorex

Habitat Type (check one):

- Shortgrass Plains (blue grama, honey mesquite, Ephedra, and yucca)
- Sacaton Grassland (sacaton grass, Thurber's pepperwood, sunflower, silver-leaf nightshade)
- Sycamore riparian (sycamore, Arizona walnut, desert willow, pale wolf-berry)
- Cottonwood riparian (cottonwood, Goodding's willow)
- Oak savannah (desert scrub oak, alligator juniper, agave, sideoats grama, manzanita)
- Oak Woodland (Gambel's oak, Arizona oak)
- Pinion-Juniper (Pinion pine, one-seeded juniper) Sandstone cliff, some Ponderosa
- Ponderosa (ponderosa pine, Gambel's oak, alligator juniper)
- Mixed Conifer (Douglas fir, Apache pine, Ponderosa pine)
- Chapparral (mountain mahogany, manzanita, silverleaf oak)

Estimation of vegetative cover % Tree 10 Shrub 0 Forb <5 Other notes?

Date 13 March 2015
 Trapline Name MLC-KCB

Shermans 26 Museum Sp. 40 Rat traps /
 Pitfalls / Macabees / Tomahawks /

Species	NK #	GPS Waypoint
Peromyscus		Sorex 18
Peromyscus		Sorex 19
Peromyscus		Sorex 20
Peromyscus		

Date 13 Mar 2015
 Trapline Name MLW, MSS, DJS

Shermans 40 Museum Sp. ___ Rat traps 5
 Pitfalls ___ Macabees ___ Tomahawks ___

Species	NK #	GPS Waypoint
Peromyscus truei	257331	RD 71
P. nasutus	257332	RD 68
P. truei	257333	RD 49
P. truei	257334	RD 70
P. truei	257315	RD 67
N. mexicana		

14 March 2015
 MLC-KCB

Peromyscus RD 88

14 March 2015 MLW, MSS, DJS

P. truei 257390 Murr 65
 N. albicula 257361 Murr 64

Locality: USA/NM: Cibola Co., Cibola NF, Zuni Mtns, Bonita Canyon, FR447, 20 km N Hwy 53, 1.6 km S Zuni Canyon Jct, Malpais Spring
 Project: ~~Mammals of Gila, Mammal Class 2014~~ Dates: 13 March 2015 GPS Name: Marmosa

Habitat Type (check one):

- Shortgrass Plains (blue grama, honey mesquite, Ephedra, and yucca)
- Sacaton Grassland (sacaton grass, Thurber's pepperwood, sunflower, silver-leaf nightshade)
- Sycamore riparian (sycamore, Arizona walnut, desert willow, pale wolf-berry)
- Cottonwood riparian (cottonwood, Goodding's willow)
- Oak savannah (desert scrub oak, alligator juniper, agave, sideoats grama, manzanita)
- Oak Woodland (Gambel's oak, Arizona oak)
- Pinion-Juniper (Pinion pine, one-seeded juniper)
- Ponderosa (ponderosa pine, Gambel's oak, alligator juniper)
- Mixed Conifer (Douglas fir, Apache pine, Ponderosa pine)
- Chapparral (mountain mahogany, manzanita, silverleaf oak)

Lava field with spotted areas of grass
 Estimation of vegetative cover % Tree 2 Shrub 5 Forb _____ Other notes?

Date 13 March 2015 DMK
 Trapline Name DJS, MJS, ~~DMK~~
 Shermans 10 Museum Sp. 10 Rat traps 28
 Pitfalls ___ Macabees ___ Tomahawks ___

Species	NK #	GPS Waypoint
P. maniculatus	257362	Marm 57
P. nasutus	257363	Marm 62
P. maniculatus	257364	Marm 55
P. maniculatus	257365	Marm 51
P. maniculatus	257366	Marm 52
P. nasutus	257367	Marm 59
P. nasutus	257368	Marm 60
P. maniculatus	257369	Marm 63
P. maniculatus	257370	Marm 59
P. nasutus	257371	Marm 56
P. maniculatus	257372	Marm 58
P. maniculatus	257373	Marm 54
P. maniculatus	257374	Marm 50
P. maniculatus	257375	Marm 49
P. maniculatus	257376	Marm 53
P. nasutus	257377	Marm 50
P. maniculatus	257386	Marm 61
P. maniculatus	257388	Marm 47

Date _____
 Trapline Name _____
 Shermans ___ Museum Sp. ___ Rat traps ___
 Pitfalls ___ Macabees ___ Tomahawks ___

Species	NK #	GPS Waypoint
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Locality: NM; Cibola county, Bonita Canyon, FR 447, ~8.5 Km N Hwy 53

Project: Mammals of Gila, Mammal Class 2014 Dates: _____ GPS Name: RD

Habitat Type (check one):

- Shortgrass Plains (blue grama, honey mesquite, Ephedra, and yucca)
- Sacaton Grassland (sacaton grass, Thurber's pepperwood, sunflower, silver-leaf nightshade)
- Sycamore riparian (sycamore, Arizona walnut, desert willow, pale wolf-berry)
- Cottonwood riparian (cottonwood, Goodding's willow)
- Oak savannah (desert scrub oak, alligator juniper, agave, sideoats grama, manzanita)
- Oak Woodland (Gambel's oak, Arizona oak)
- Pinion-Juniper (Pinion pine, one-seeded juniper)
- Ponderosa (ponderosa pine, Gambel's oak, alligator juniper)
- Mixed Conifer (Douglas fir, Apache pine, Ponderosa pine)
- Chapparral (mountain mahogany, manzanita, silverleaf oak)

Estimation of vegetative cover % Tree 30% Shrub 5% Forb _____ Other notes?

Date 13 March 2013
Trapline Name SWL 3

Shermans 40 Museum Sp. 40 Rat traps
Pitfalls Macabees Tomahawks

Species	NK #	GPS Waypoint
<i>Perom. truei</i>	257310	RD 064
<i>P. truei</i>	257311	RD 065
<i>P. maniculatus</i>	257312	RD 066
<i>P. truei</i>	257338	RD 063

Date 14 March 2015
Trapline Name SWL 3

Shermans 40 Museum Sp. 40 Rat traps
Pitfalls Macabees Tomahawks

Species	NK #	GPS Waypoint
<i>P. truei</i>	257356	RD 073
<i>Tamias dorsalis</i>	257357	RD 075
<i>P. nasutus</i>	257358	RD 074
<i>P. nasutus</i>	257389	RD 073

Locality: ^{NM:} Cibola Co.; Zuni Mtns, Bonita Canyon, FR 447, 12 mi N Hwy 853, 1 mi S Zuni Canyon
 20 km

Project: Mammals of Gila, Mammal Class 2014 Dates: 13-14 March 2015 GPS Name: _____

Habitat Type (check one):

- Shortgrass Plains (blue grama, honey mesquite, Ephedra, and yucca)
- Sacaton Grassland (sacaton grass, Thurber's pepperwood, sunflower, silver-leaf nightshade)
- Sycamore riparian (sycamore, Arizona walnut, desert willow, pale wolf-berry)
- Cottonwood riparian (cottonwood, Goodding's willow)
- Oak savannah (desert scrub oak, alligator juniper, agave, sideoats grama, manzanita)
- Oak Woodland (Gambel's oak, Arizona oak)
- Pinion-Juniper (Pinion pine, one-seeded juniper) + *Bouteloua gracilis* + Ponderosa + Sumac
- Ponderosa (ponderosa pine, Gambel's oak, alligator juniper)
- Mixed Conifer (Douglas fir, Apache pine, Ponderosa pine)
- Chapparral (mountain mahogany, manzanita, silverleaf oak)

Estimation of vegetative cover % Tree 45 Shrub 1 Forb 1 Other notes? Lava Rocks

Date 14 March
 Trapline Name LACB, RRA, KCB

Shermans 1 Museum Sp. 45 Rat traps 15
 Pitfalls 1 Macabees 1 Tomahawks 1

Species	NK #	GPS Waypoint
<i>Neotoma albigula</i>		RD 83
<i>Peromyscus maniculatus</i>		RD 77
"		RD 78
"		RD 79
"		RD 80
"		RD 81
"		RD 81 <small>same station</small>
<i>Peromyscus cf. nasutus</i>		RD 82
<i>Peromyscus maniculatus</i>		RD 84
"		RD 85
<i>Peromyscus maniculatus</i>		RD 86

Date 14 March
 Trapline Name MLW, MLC

Shermans 10 Museum Sp. 7 Rat traps 7
 Pitfalls Macabees Tomahawks

Species	NK #	GPS Waypoint
<i>Peromyscus maniculatus</i>		Sorok 023
<i>P. maniculatus</i>		Sorok 024
<i>P. maniculatus</i>		025
<i>P. maniculatus</i>		026
<i>P. maniculatus</i>		027
<i>P. manic.</i>		028
<i>P. manic.</i>		029
<i>P. boylii</i>		030
<i>P. manic.</i>		031
<i>P. boylii</i>		032

} under
 shrub
 tree

