Mammalogy Class 2010 Combined Catalogs & Field Notes

Ben Stanley
C. Jonathan Schmitt
Kat Schroeder
Matthew Jones
Alexandra Hansell

See next page for additional authors

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Locality: USA: New Mexico: Rio Arriba Co.; Rio de los Pinos, Biome: Temperate Forest
Lat: 35° 57' W Long: 106° 11' W Elevation: 2551m
Date: 10-12 Sep 2010 Project/Collectors: Ben Stanley & Johnathan Schmitt
Notes (Moon; weather; temp.): place

### Trapline Data Sheet

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overstory</td>
<td>0123456789</td>
<td>Populus angustifolia, Blue Spruce</td>
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<tr>
<td>Understory</td>
<td>0123456789</td>
<td>Salix sp., Ribes sp., Wild Rose, Alnus sp.</td>
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<tr>
<td>Herbaceous</td>
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<tr>
<td>Bare soil/rock</td>
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<tr>
<td>Litter layer</td>
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<td></td>
</tr>
<tr>
<td>Slope: %</td>
<td></td>
<td></td>
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</tbody>
</table>

**Captures:**

1. **Peromyscus maniculatus** - 1 indiv.  40 sherm
2. **Microtus pennsylvanicus** - 1 indiv.  40 snap
3. **Peromyscus maniculatus** - 1 indiv.  40 snap
4. **Microtus longicaudus** - 1 indiv.

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**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%
**Locality:** SWNM: Socorro Co, 54 km S, 36 km W Socorro j Forest Rd 225  
**Biome:** Oak-Juniper woodland  
**Lat:** 32.5449  
**Long:** -106.3226  
**Elev:** 1797  
**Date:** 29-31 Oct 2010  
**Project/Collectors:** C. Jonathan Schmidt, Ben D. Stanley  
**Notes (Moon, weather, temp.):** Penumbral  

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</tr>
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**Captures:**

- **30 October 2010**
- *Nectoma albicauda* on steep rocky slopes
- *Peromyscus payii* under *Juniperus deppeana*

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<th>Overstory:</th>
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</table>

**Captures:**

- *Nectoma albicauda* on steep rocky slopes
- *Peromyscus payii* under *Juniperus deppeana*

---

**Cover Classes**

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

USA: California: San Luis Obispo Co, 4.8 km ESE of Creston
35°30'29"N, 120°28'11"W

1. Spermophilus beecheyi
NK: 196129  360-140-46-22
+skel+tissues  = 220g

USA: NM: Rio Arriba Co, Rio de los Pinos, 3Km W San Miguel
35°45'16"N, 106°17'10"W, 2551 m
7-September-2010

2. Neotoma mexicana
NK: 195753  250-22-33-29
+skel+tissues  = 93g

3. Tamias quadrivittatus
NK: 195775  234-109-33-19
+skel+tissues  = 66g

4. Neotoma mexicana
NK: 195787  269-175-31-26
+skel+tissues  = 87g
USA: NM: Socorro County, FR 225; 54 km S, 36 km W of Socorro, 33° 54' 44" N, 107° 28' 72" W, 1747 m, 30-Oct-2010

5. Dipodomys merriami
   NK: 195943
   tskel + tissues
   248-144-39-12
   1 43 g

6. Neotoma albigula
   NK: 195953
   tskel + tissues
   292-131-32-25
   1 15 g

USA: Alaska: Flower Mountain
   59° 38' 30" N, 136° 32' 39" W, 3475 m, 17-July-2010

7. Sorex cinereus
   NK: 196863
   tskel + tissues

USA: Washington: Ferry Co
   Winter 03-04

8. Mustela ermina
   NK: 137787
   tskel + tissues + tongue + diaphragm
   305-85-39-16
   1 08 g
9. Neotoma mexicana
   NK: 137786
   tskel + tissues
   USA: NM: Rio Arriba Co, Rio de los Pinos, 3 km W San Miguel
   35°95'76" N, 106°17'70" W, 2551m
   7-Sept-2010
   302-131-33-22
   ≡119g

10. Dipodomys microps
    NK: 197457
    tskel + tissues
    USA: Nevada: Nye Nevada test site (12-61)
    6-Oct-2010
    278-189-41-11
    ≡56g

11. Ammospermophilus leucurus
    NK: 197510
    tskel + tissues
    USA: Nevada: Nye Nevada test site (U-55)
    3-Nov-2010
    208-58-38-14
    ≡99g
Field Notes

10-September 2010 to 12-September 2010

1. Road Log: We took I-25 South and got off on exit 282 onto 599. Then we took US 285 left (N) to Española. We then went 10mi. After we turned left just N of the CO Boarder ~10mi to Taos. We then left on 443 for 1.4mi.

2. Participants:
   - Christina Frank (CMF)
   - Alexandra Herr (AWH)
   - Matthew Jones (MPR)
   - Della Draper (DLJ)
   - Vanessa Martinez (NLM)
   - Clare Steiner (CIS)
   - Mario Valencia (MV)
   - Jason Motoney (SLM)
   - Brooks Kohli (BARK)
   - Carrie Curado (CM)
   - Toby Weisenhans (TID)
   - Ben Stanley (BDS)
   - Meredith Williams (MWW)
   - Kayce Bell (KCB)
   - Johnathon Schmitt (JOS)
   - Joseph Cogh (JAC)
   - Camille Padilla (CLP)
   - Emie Valdez (EV)

3. General Site Description: Camped in a riparian valley along Rio de los Pinos. Stream and terrain were rocky, with steep sides up to sheer. North-facing slopes were heavily wooded, and south-facing areas were dry with primarily herbaceous growth and spruce. Primary plant species included Narrow-leaf Willow, Rocky Mountain Juniper, Blue Spruce, Cottonwood, Wild Rose, Alder and pinon Juniper.
Designated Locality
- NM: Rio Arriba Co, Rio de los Pinos, 3Km W San Miguel
  Lat: 35°45'76" Long: 106°17'70"
  Elevation: 2551 M

Weather
Weather was clear with almost no cloud cover. Days were still with temps in the 16°-21°C range. Nights were slightly breezy with temperatures in the 0°-10°C range.

Trapline
@Sept. 11: Caught 9 Peromyscus maniculatus and 2 Microtus pennsylvanicus.
@Sept. 12: Caught 41 Peromyscus maniculatus and 2 Microtus longicaudus.

Diagram:
- Trap sites
- Stream
- Ravine
- Road
- Camp
8 Sept. Tally
  - Traps set: 80 Sherman's
  - Caught: 9 P. maniculatus, 2 M. Pennsylvanicus
  - Success rate: ~14%
  - Notes: Caught voles next to stream

12 Sept.
  - Traps set: 80 Sherman's
  - Caught: 1 P. maniculatus, 2 M. longicatus
  - Success Rate: ~4%
  - Notes: All caught less than 20m from streams

9 Peromyscus maniculatus, Neotoma mexicana, Microtus longicadus, Microtus pennsylvanicus, Tamias quadrivittatus
Field Notes #2
October 29th → 31st

1Road Log
We took I-25 South 139 mi. Then we exited left on Exit 115 (across I-25). We then turned right to head South on El Camino Real (IHC Highway 1) and went 12 miles. We then took Forest Road 225 4 miles to camp.

2Participant List
Brooks Kohli (BAK)  
David Draper (DLD)  
Matt Jones (MRJ)  
Stephen  
Merideth Williams (MNW)  
Alexandra Hansel (AWH)  
Kat  
Joe Cook (JAC)  
Johnathon Schmidt (JLS)  
Toby Weisenhaus (TJH)  
Mario Valencia (MV)  
Sophia Thompson (ST)  
Shawn Whiteman (SW)  
Sara Pesco (SP)  
Jason Thomas (JT)  
Majorie MacDonald (MM)  
Robert Norfolksey (RN)  
Kaycee Bell (KCB)

3Site Description
We camped and trapped in a small ravine system with no running water. The area was on the border of the sonora and chihuaha deserts, and the area right around camp was juniper scrub. The terrain was a little hilly with a steeper hill about 300m from camp.
4. **Locality**
   USA: New Mexico: Socorro County. Forest Road 225, 54km S/36km W of Socorro. 33°54'44"N, 107°28'73"W, 1747m

5. **Weather**
The weather was clear and dry, with almost no cloud cover. Temperatures were in the 15-20°C range in daytime and 5-10°C cooler at night.

6. **Trapline info**
   October 30th
   Caught: 2 Neotoma albicula and 4 Peromyscus boylii

7. Map:
   - Trap sets
   - Camp
   - Road
   - Hillside
30 Oct.

- Traps set: 40 Sherman, 40 snaps
- Caught: 2 Neotoma albigula, 1 Peromyscus boylii
- Success rate: 4%
- Notes: Neotoma were caught on a steep rocky slope. P. boylii caught under Juniperus deppeana.

Species List

- Peromyscus maniculatus
- Peromyscus boylii
- Neotoma albigula
- Perognathus flavus
- Dipodomys merriami
- Dipodomys spectabilis
- Thryonomys bottae
- Onychomys arenicola
- Chaetodipus pencillatus
- Sylvilagus audubonii
Catalog

USA: California; San Luis Obispo Co; 4.8 km ESE Creston; 36°55' Linguist Lane; 35°30'29" N; 120°28'11" W;

27 August 2010

685 ♀ *Spermophilus beecheyi* 384-121-54-25=370g
NK 196125 +skull +tissue

USA: New Mexico; Rio Arriba Co; Rio de los Pinos; 3 km W Sau Miguel; 35°57'6"N; 106°17'0" W
Elev. 2551m

11 September 2010

687 ♀ (pregnant) *Microtus longicaudus* 154-54-19-14=26g
NK 195767 +skull +tissue

688 ♀ *Neotoma mexicana* 289-130-33-26=130g
NK 195767 +skull +tissue

689 ♂ *Tamias quadrivittatus* 223-96-33-18=55g
NK 195778 +skull +tissue

690 ♀ *Microtus pennsylvanicus* 154-57-20-44=21g
NK 195773 +skull, +tissue

691 ♂ *Neotoma mexicana* 346-191-33-27=210g
NK 195782 +skull +tissue

692 ♂ *Neotoma mexicana* 337-160-32-32=196g
NK 195784 +skull, +tissue
Catalog

USA: New Mexico; Socorro Co; 5.4 km S, 3.6 km W; Socorro; Forest Road 225; 33.54194°N; 107.28172°W; Elev. 1747 m

30 October 2010

693 ♀ Neotoma albigula 350-150-37-28=173 g
NK 195936 +Skull + tissue

♀

USA: New Mexico; Socorro Co; 5.4 km S, 3.6 km W; Socorro; Forest Road 225; 33.54194°N; 107.28172°W; Elev. 1747 m

29 October 2010

694 ♀ Sylvilagus audobonii 370-33-88-70=700 g
NK 195947 +Skull + tissue

♀

USA: New Mexico; Socorro Co; 5.4 km S, 3.6 km W; Socorro; Forest Road 225; 33.54258°N; 107.28352°W; Elev. 1751 m

30 October 2010

695 ♀ Dipodomys spectabilis 385-195-52-15=120 g
NK 195960 +Skull + tissue
Catalog

USA: New Mexico; Rio Arriba Co; Rio de los Pinos; 3 km W San Miguel; 35.9576°N; 106.1770°W; Elev. 2551 m 

11 September 2010

696  ♂ Myotis volans 100-46-10-12=6.8 g FA=42 NK 137760 tskell + tissue

USA: Alaska; Flower Mtn.; 59.37356°N; 136.3134°W; Elev. 3008 ft 

16 July 2010

697 ♂ Microtus oeconomus 158-39-21-19=52 g NK 196884 tskell + tissue
USA: New Mexico: Rio Arriba Co.: Rio de los Pinos; 3 km W San Miguel; 38.957°N, 106.177°W; WGS 84 Datum; Elev. 2551 m

10-12 September 2010

Road Log: We took Central Ave. W, then turned Right on to I-25 and headed N. South of Santa Fe, we took exit 292 and went NE on NM 599. We turned left onto US 285 and went North to Española. In Española, we went North on US 84 for ca. 10 km. Here, we went right and continued North on US 285. We passed through Ojo Caliente and Tres Piedras. Finally, we turned left just north of the New Mexico border and traveled 0.5 mi. to the town of San Antonio, Colorado. We then went left on 493 for 1.1 mi. Then we took the Los Pinos River Access Road for 8.8 mi.

Participant list:
Christina Frank (CMF)
Alexandra Janssen (AWH)
Matthew Jones (MRI)
David Draper (DLD)
Vanessa Martinez (VLM)
Clare Steinsberg (CES)
Mario Valencia (MV)
Jason Maltas (JLM)
Carrie Crabtree (CAC)

Brooks Kohli (PAK)
Toby Weisenhaus (TJW)
Ben Stanley (BDS)
Meredith Williams (MNW)
Kayce Bell (KCB)
Joseph A. Cook (JAC)
Camille Padilla (CFP)
Ernie Valdez (EV)
Tranline info: I set one tranline with Ben Stanley (BDS). We set the line on 10 September with guidance of Vanessa Martinez (VLM). The line consisted of 80 Sherman traps, 2 per site. The sites were about 100m apart and followed the edge of Río de los Pinos downstream. We placed most traps under or near shrubbery such as Alnus incana, Salix sp., Rhus aromatica. The overstory was only about 20% and was ca 20m tall and consisted of P. angustifolia and Picea pungens. The understory cover was 85% and about 2m tall. The herbaceous layer was about 80% cover and 1m tall. There was quite a bit of rock considering we trapped along the Río.
General Site Description: We camped in the riparian corridor of Rio de los Pinos. This riparian zone was dominated by Populus angustifolia, Pinus ponderosa trees over 15m tall. Smaller groves of Quercus gambelii made up the midstory, along with scattered Juniperus scopulorum. Common shrubs included Salix sp. along the river, Alnus incana, Cornus sericea, Ribes sp., Rosa sp.; and Rhus aromatica. A few Pinus ponderosa were also present. There wasn’t much herbaceous growth; however, there were some sedges and grass. On the slopes above the riparian zone, we noticed the marked difference in North-facing and South-facing slopes. Specifically, the North-facing slope was much wetter and thus supported more lush vegetation such as Pinus ponderosa; Pinus ponderosa; Juniperus scopulorum; Quercus gambelii; and most of the shrubs listed above. The South-facing (North slope) slope was dry and rocky with little vegetation. This slope was characterized by Chrysothamnus nauseosus and Atriplex canescens.

Weather: The weather was nice w/ no precipitation and little wind. At night, it only just barely froze so I doubt it was much below 30°F.
Field Journal

USA: New Mexico; Rio Arriba Co; Rio de los Pinos; 3 km W Sun Miguel; 36.9576°N; 106.1770°W; WGS 84 datum
Rev: 235/11

10-12 September 2010

Trapline info:
# on 11 September 2010 we caught:
  1 Peromyscus maniculatus
  1 Microtus pennsylvanicus
This means our trap success was 2/40
or 2.5%.
# on 12 September 2010 we caught:
  1 Peromyscus maniculatus
  1 Microtus longicaudus
2/40 or 2.5% success.

But Net Maps:

But Nets 10 September 2010. We didn't catch anything.

\[\text{\textbf{\textit{Camp}}}\]

\[\text{\textbf{\textit{Nets 11 September 2010. We saw and I set these. We}}\]
\[\text{\textbf{\textit{caught an M. pennsylvanicus, one E. fuscus, and one L. caspius night}}\]
\[\text{\textbf{\textit{rotschael night}}\]
Species List:

- Eptesicus fuscus
- Lasionycteris noctivagans
- Myotis volans
- Peromyscus maniculatus
- Tamias quadrivittatus
- Neotoma mexicana
- Microtus longicaudus
- Microtus pennsylvanicus
- Spermophilus lateralis
Field Journal

USA: New Mexico; Hidalgo Co.; Pešoncillo Mnts.;
31.5165 N; 104.9865 W; Elev. 1680 m.

24-25 September 2010

Road Log: We took I-25 south from Albuquerque for 292 km. We then took state Route 543 for two km W to Hatch. In Hatch we got on NM 26 and went south for 74 km. We then turned left on US 180 and went south for 2 km. We then took I-10 west for 133 km. We turned south on NM 338 and traveled for 84 km. We then took Geronimo Trail for 10 km.

Participant List:

Brooks Kohli (BAK)
Christina Frank (CF)
Alexandria Hansell (AHH)
Sara Pesco (SP)
David Draper (DDL)
Camille Padilla (CEP)
Stephen Webb (SRW)
Kat Schroeder (KMS)
Meredith Williams (MNW)
Carrie Crabtree (CAC)
Mario Valdivia (MV)
Clare Steinberg (CES)
Kayce Bell (KCB)
Joseph Cook (JAC)
Sylvia Brunner
Jon Dinnan
Robert Nofchissey
Andrew Hope
Lydia Zejla
Steve MacDonald
Marjorie MacDonald
Field Journal

USA: New Mexico; Hidalgo Co; Peoncillo Mt.; 31.5145 N; 106.9865 W; ELEV. 1650m

24-26 September 2010

Trapping Information: David L. Draper (ML) and myself

On 24 September we set out 40 Sherman traps along Geranimo Trail road. We set under trees, such as Juniperus deppeana and Quercus sp. and in shrubs like Rhus triflora and Arbuthn Arizona. We checked these traps on 25 September, in the am, but we did not catch anything. We then set out 20 more Sherman and 20 snap traps at 0600hrs. We set this line across a meadow of Bantelucha gracilis and up a dry arroyo. We checked these traps on 26 September and we only caught one Cheirolopus hirsutus. This second line was in open with only grass cover.

[Diagram of trap lines and location marks]
USA: New Mexico; Hidalgo Co; Peloncillo Mtns; 31.5165 N; 108.96645 W; Elev. 1650 m

24-26 September 2010

Trap Info:
On 24 September, our trap success was 0/40 = 0%.
On 25 September, our trap success was 1/80 = 1%

We think we had low success because it was very bright on both nights due to a nearly full moon.

Species List for Trip:
- Otospermophilus variegatus
- Chaetodipus gracilis
- Chaetodipus hispidus
- Neotoma albigula
- Peromyscus boylii
- Mephitis mephitis
- Thomomys bottae
Schmitt, C. Jonathan
2010

Field Journal

USA: New Mexico; Hidalgo Co; Peloncillo Mts;
31.5145N; 108.93645W; Elev. 1650m

24-26 September 2010

Rat Net Localities:

\[ \text{H}_2\text{O} = \text{H}_2\text{O} \]

Clanton Creek

Net #1

We didn’t catch any bats.
Field Journal

U.S.A: New Mexico; Socorro Co; 54 Km S, 36 Km W Socorro; Forest Road 225; 33.54149°N; 107.2812°W; Elevation 1747m

29-31 October 2010

Road Log: We left Albuquerque, and went south on I-25 for 212.4 miles. We then took Exit 115 and turned left, heading east, and crossed I-25 on an overpass. After crossing, we turned right and headed South on the El Camino Real IHC Highway 1. We went South on El Camino Real IHC Highway for 12 miles where we took Forest Road 225. Camp was 4 miles down Forest Road 225.

Participant List:
Brooke Kohl (BKH)  Mario Valencia (MV)  Sophia Thompson (SST)
David Draper (DID)  Shawn Whiteman (SW)
Matthew Jones (MRJ)  Sara Pesko (SP)
Stephen Webb (SRW)  Jason Thomas
Meredith Williams (MMW)  Marjorie Ann Donnell
Alexandra Hansell (AHW)  Robert No Fquisit
Kot Schroeder (KMS)  Joseph Cook (JAC)
Toby Weisenhaus (TJW)

General Site Description:
We camped and trapped in a draw. In the bottom of the draw, it was rough and rocky. Junipers (J. deppeana) and Junipers (J. monosperma) and Quercus made up most of the vegetation in the bottom of the draw. There were also shrubs such as Rhus trilobata, Fallopia paradoxa.
Field Journal

USA: New Mexico; Socorro Co; 54.1 kms S; 36 km W Socorro; Forest road 225; 33.54144'N; 107.2817280'W; Elev, 1747m

29-31 October 2010

Trapline info: We set traps in one long, winding set that generally followed the courses of the streams down stream. We also had a part of the line near a steep cliff with talus slopes, and across the flat Chihuahuan Desert grassland. Along the riparian draw, we trapped near or under Juniperus deppeana, and Gironia spp., Rhizus tribulata; Fallogia paradox. In our site w/ Rocky talus, there was little vegetation but lots of rocks. In the Chihuahuan desert Se B, we trapped near Dipodomys sp. mounds one of which was built around a Prosopis pubescens shrub. The first night, we caught 2 Neotoma albigena and one Peromyscus brewii. The Neotoma albigena were trapped in rock talus and the P. brewii was trapped under a Juniperus deppeana tree.

Success:

\[ \frac{3}{3} = \times 100 \% \text{ Success} \]
Field Journal

USA: New Mexico, Socorro Co.; 54 km S, 36 km W Socorro; Forest Road 22S; 32.54144° N / 107.2872° W; Elev. 1747 m

29-31 October 2010

Taphina info:

Petaluma & Gras

Talus

Species list:

- Peromyscus boylii
- Peromyscus maniculatus
- Neotoma albigula
- Perognathus flavus
- Oenomys arenicolus
- Diplomys merriami
- Dipodomys spectabilis
- Thomomys bottae
- Cheilodipus penicillatus
- Sylvilagus audoboni
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<th>Mass (g)</th>
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<th>Rf Foot (mm)</th>
<th>Ear (mm)</th>
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<td>381</td>
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<td>55</td>
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</tr>
</tbody>
</table>

- **Tissues:**
  - Yellow: Liver
  - Red: Heart, Lung, Kidney, Spleen
- **Testes:** 8mm x 5mm

- US: California, San Luis Obispo CD
  - 4.8 km ESE of Creston
  - 36°55’ Long, Lane,
  - 35°30’29” N, 120° 28’11” W

- **Spermophilus beecheyi**
  - 381 - 160 - 55 - 24 = 385g

- ** NK 196130 + Skeletal tissue**
<table>
<thead>
<tr>
<th>Mass</th>
<th>Total Length</th>
<th>Tail</th>
<th>Ears</th>
<th>Ear</th>
<th>Foot</th>
</tr>
</thead>
<tbody>
<tr>
<td>1350g</td>
<td>615</td>
<td>282</td>
<td>60</td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>

US: New Mexico; Hidalgo Co
29 Mi S of Animas
NM 338

♂ *Mephitis mephitis*
615 282 60 27 = 1350g

♀ NK 195905 + Skel. tiss

Collection/prep: 25 September 2010

Testes = 10 x 7.5 mm
<table>
<thead>
<tr>
<th>Mass</th>
<th>Total length</th>
<th>Tail</th>
<th>Ear</th>
<th>Foot</th>
</tr>
</thead>
<tbody>
<tr>
<td>183g</td>
<td>520 mm</td>
<td>90 mm</td>
<td>140 mm</td>
<td>158 mm</td>
</tr>
</tbody>
</table>

**Location**

US: New Mexico; Santa Fe Co
Corner of Nugent Rd + Broken Arrow Trail

**Lepus californicus**

③ NK 195919
<table>
<thead>
<tr>
<th>Mass</th>
<th>Total Length</th>
<th>Tail</th>
<th>Front Foot</th>
<th>Ear</th>
</tr>
</thead>
<tbody>
<tr>
<td>609</td>
<td>224</td>
<td>104</td>
<td>33</td>
<td>4</td>
</tr>
</tbody>
</table>

**Location**

US: New Mexico; Rio Arriba Co
Rio delos Rinos, 3km West of San Miguel
Lat: 35.9576 N, Long: 106.1770 W

*Tamias quadrivittatus*

- NK 195852

**Collected** 11 September 2010
**Prepared** 25 October 2010
Mass  Total length  Tail  RH  foot  Ear
1.69  230  137  31  25

Location
US: NM: Rio Arriba CO
Rio de los Pinos: 3Km W of San Miguel

Neotoma mexicana

5  NK  195768

Collected: 11 Sept 2010
Prep: 25 Oct 2010
359.209.53.17 = 12U9

Location
US NM Socorro Co, forest Rd 225
54 km S, 3.6 km W of Socorro

Dipodomys spectabilis

♀ NK 1959.4f

Collected 30 Oct 2010 (+ prep)
328 - 142 -27 -29 = 1429

Location
NM: Socorro Co.
Forest Rd 225, 54 km S. of Socorro, 360 W
lat 33° 33.864 N  long: 107° 20.189 W  elev: 1881 m

8 NK 195989

Neotoma Albigula ♀

30 Oct 2010 coll
30 Oct 2011 20 Nov 2010 prep
126.43-20-18.17-10g

Location
US: WMA: Socorro Co
Forest Rd 225 54 km S. of Socorro, NM
Lat: 33°33.754N  Long: 107°20.614W Elev 1893

6) NK 195985

Onychomys arenicola  a² = 4x3mm

30 Oct 2010 coll
20 Nov 2010 prep
315 - 145 - 29 - 30 = 116.39

Location
US: N.M: Socorro Co
Forest Rd 225, 64 km S of Socorro, 31 km W
lat 33° 54.155'N long 107° 28.152'W

NC: 1957-68

Neotoma albigula & CSN (PLSC-312, 36)

30 Oct 2010 coll
20 Nov 2010 prep
245 - 115 - 30 - 24 = 1089

σ² To 7x4 mm

Location
US: NM: Rio Arriba Co
Rio de los Pinos, 1km S, 5km E of San Miguel
31° 9.569' N 106° 10.09' W above 2485m

Neotoma mexicana σ² To 7x4 mm

Collected Sept 2010
Prep 22 Nov 2010
336.149.35.24E 1579

♀ No PSCR, No EMB

Location
US: NM: Rio Arriba Co
Rio de los Pinos, 1km S, 5km E of San Miguel
26° 9569 N 106° 1009 W elev: 2488m

♀ Nastasia mexicana ♀ No PSCR

coll 11 Sept 2010
prep 22 Nov 2010
**TRAPLINE DATA SHEET**

**Locality:** NM: Hidalgo Co; Peonvillo Mtns  
**Biome:** Woodland near stream  
**Lat:** 31.5168  
**Long:** -106.7535  
**Elev:** 1471  
**Date:** 24-26 Sept 2010  
**Project/Collectors:** Kat Schrader, Matthew Jones  
**Notes:** (Moon, weather, temp.): Nearly full moon, partial cloud cover, no precipitation

### Trapline No. 1

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overstory</td>
<td>0123456789</td>
<td>Quercus Sp. Juniperus deppeana</td>
</tr>
<tr>
<td>Understory</td>
<td>0123456789</td>
<td>Gramna grass Wild grape</td>
</tr>
<tr>
<td>Herbaceous</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock</td>
<td>023456789</td>
<td></td>
</tr>
<tr>
<td>Litter layer</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Slope</td>
<td>0%</td>
<td></td>
</tr>
</tbody>
</table>

**Captures:**

- D. clemens
- Nesotoma alabauda

### Trapline No. 2

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overstory</td>
<td>0123456789</td>
<td>Quercus Sp. Juniperus deppeana</td>
</tr>
<tr>
<td>Understory</td>
<td>0123456789</td>
<td>Pine, Yucca, Gramna grass</td>
</tr>
<tr>
<td>Herbaceous</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Litter layer depth</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Slope</td>
<td>5%</td>
<td></td>
</tr>
</tbody>
</table>

**Captures:**

- D. clemens
- Nesotoma alabauda

**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%
Trip 2

Road Log: Coronado National Forest
Head south on I-25 to Hatch, West on 10, turn east on Geronimo trail road
Geronimo trail: 0.0 mi. Continue on road. At 7.0 mi, turn onto Coronado National Forest Rd
At 8.2 mi, camp ground. South side of road. End Hidalgo Co

Species list
- Spermophilus variegatus
- Chaetodipus penaiatus
- Neotoma albicula
- Perognathus boxli
- Mephitis mephitis
- Thomomys bottae
- Chaetodipus hispidus

Location
US: NM: Hidalgo Co; Peloncillo Mtns
31.5166 N 108.95645 W elev 11650 ft

Individuals
- Brooks Kohli
- Christine Frank
- Alex Hensek
- Sara Pesko
- David Draper
- Camille Pedilla
- Stephan Welch
- Kat Schroeder
- Meredith Williams
- Carrie Crabtree
- Mario Valenca
- Clare Steinberg
- Kayce Bell
- Joe Cook
- Sylvia Bronner
- Gordon Tunnel
Individuals (continued)

Jon Donnum
Robert Nofahissez
Andrew Hope
Lybra Zefan
Steve Macdonald
Marjane McConnell
### TRAPLINE DATA SHEET

**Locality:**

Lat 33°33.54'N Long 107°20.4'W Elev. 1,687m 2,255'

**Date:** 30 Oct 2010

**Project/Collectors:** Kat Schoeder, Alexandra Hunsell

**Notes (Moon; weather; temp.):** TA 70-40°F Little to no cloud, quarter moon

---

**Trapline No.:**

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overstory:</td>
<td>01 23 45 67 89</td>
<td><em>Juniper sp.</em>, <em>mesquite</em></td>
</tr>
<tr>
<td>Understory:</td>
<td>01 23 45 67 89</td>
<td></td>
</tr>
<tr>
<td>Herbaceous:</td>
<td>01 23 45 67 89</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock:</td>
<td>01 23 45 67 89</td>
<td></td>
</tr>
<tr>
<td>Litter layer:</td>
<td>02 34 56 78 90</td>
<td></td>
</tr>
<tr>
<td>Slope:</td>
<td></td>
<td>16%</td>
</tr>
</tbody>
</table>

**Captures:**

<table>
<thead>
<tr>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><em>Neotoma</em> (7)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Peromyscus</em> (3)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Peromyscus maniculatus</em> (1)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Dipodomys merriami</em> (1)</td>
<td></td>
</tr>
</tbody>
</table>

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**Trapline No.:**

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overstory:</td>
<td>01 23 45 67 89</td>
<td></td>
</tr>
<tr>
<td>Understory:</td>
<td>01 23 45 67 89</td>
<td></td>
</tr>
<tr>
<td>Herbaceous:</td>
<td>01 23 45 67 89</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock:</td>
<td>01 23 45 67 89</td>
<td></td>
</tr>
<tr>
<td>Litter layer:</td>
<td>01 23 45 67 89</td>
<td></td>
</tr>
<tr>
<td>Slope:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Captures:**

<table>
<thead>
<tr>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
</table>

---

**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%
### Trip 3

#### Road Log
- South on I-25 from UNM for 129 miles
- Exit 115, turn left (East)
- Turn right on El Camino Real 114C Highway
  - continue south for 12 miles
- Turn right on forest Rd 225
  - continue west for 24 miles to camp

#### Species List
- *Peromyscus boylii*  
- *P. erekulans*
- *P. maniculatus*
- *Neotoma albigula*
- *P. flavus*
- *O. arenicolor*
- *D. merriami*
- *S. audoboni*
- *C. pennicillans*
- *D. spectabilis*

### Location
- US: NM, Socorro Co., Forest Rd 225
- 33° 54.115 N, 107° 28.152 W, elev 1895

### Individuals
- Brooks Kohli
- Dave Draper
- Matt Jones
- Stephen Welle
- Meredith Williams
- Alex Hansel
- Kat Schroeder
- Toby Weisenhaus
- Sophia Thompson
- Mario Valencia
- Shawn With
- Sara Pesko
- Jason Thomas
- Marjane
Individuals
Robert Notchissey
Joe Cook
<table>
<thead>
<tr>
<th>No.</th>
<th>Species</th>
<th>Coordinates</th>
<th>Elevation</th>
<th>Collection Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><em>Thomomys bottae</em></td>
<td>310°-70°, 80°-3° = 146°</td>
<td></td>
<td>Nov 29 2009</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nk 19.61.38</td>
<td>+ Skel + Tiss</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td><em>Neotoma mexicana</em></td>
<td>291°-144°, 36°-25° = 123°</td>
<td></td>
<td>Sep 25 2010</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nk 19.75.7</td>
<td>+ Skel + Tiss</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td><em>Tamias quadrivittatus</em></td>
<td>221°-94°, 33°-17° = 60°</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nk 19.77.9</td>
<td>+ Skel + Tiss</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td><em>Otospermophilus variegatus</em></td>
<td>445°-195°, 61°-25° = 65°</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nk 19.89.6</td>
<td>+ Skel + Tiss</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td><em>Sylvilagus audubonii</em></td>
<td>340°-40°, 80°-80° = 1180</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nk 19.92.3</td>
<td>+ Skel + Tiss</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td><em>Neotoma albicollis</em></td>
<td>348°-135°, 32°-27° = 175°</td>
<td></td>
<td>Oct 30 2010</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nk 19.59.35</td>
<td>+ Skel + Tiss</td>
<td></td>
</tr>
<tr>
<td>No.</td>
<td>Species</td>
<td>Sex</td>
<td>Measurements</td>
<td>Location</td>
</tr>
<tr>
<td>-----</td>
<td>---------------------------------</td>
<td>-----</td>
<td>--------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>7</td>
<td>Dipodomys merriami</td>
<td>♀</td>
<td>243-142-38-39 = 419</td>
<td>Nk 195948 + skull + tissue</td>
</tr>
<tr>
<td>8</td>
<td>Neotoma albigula</td>
<td>♂</td>
<td>224-100-28-21 = 69</td>
<td>Nk 195955 + skull + tissue</td>
</tr>
<tr>
<td></td>
<td>Washington, Ferry Co.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Mustela frenata</td>
<td>♂</td>
<td>380-135-40-10 = 307</td>
<td>Nk 137775 + skull + tissue</td>
</tr>
<tr>
<td></td>
<td>New Mexico, San Mateo Mtns, Socorro Co.</td>
<td></td>
<td>54 km S, 36 km W, Socorro, Forest Rd 225</td>
<td></td>
</tr>
<tr>
<td></td>
<td>October 30, 2010</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Dipodomys merriami</td>
<td>♀</td>
<td>241-132-39-13 = 45</td>
<td>Nk 195972 + skull + tissue</td>
</tr>
<tr>
<td></td>
<td>New Mexico, Rio Arriba Co, Rio de los Pinos</td>
<td></td>
<td>3 km W San Miguel lat: 35.9574° N; lon: 106.1774°</td>
<td></td>
</tr>
<tr>
<td></td>
<td>956 m 12 September, 2010</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Neotoma mexicana</td>
<td>♀</td>
<td>300-140-30-35 = 170</td>
<td>Nk 137778 + skull + tissue</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Microtus pennsylvanicus</td>
<td></td>
<td></td>
<td>Nk</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Road Log
LWM to I-25, I-25 to 285, 285
taken to Road C, left on Road C,
left on Road 125, turns into Road 443

Participants
Meredith Williams MWW
Brooks Kohli BAK
Christina Frank CMF
Carrie Crabtree CAC
Alexandra Hansell AHW
Toby Weisenhaus TWW
Matthew R. Jones MRS
Ben Stanley BDS
David Dore DLD
Vanessa Martinez WM
Kayce Bell KCB
Clare Steinberg CES
C. Jonathan Schmitt CJS
Mario Valencia MAV
Joseph A. Cook JAC
Jason L. Moloney JLM
Camille Padilla CP
Ernie Valdez EV
General Site
Biparion Zure, in Canyon, Rio de los Pinos, flows through collection site. Predominant plants include cottonwood (Populus), Alder, Willow, variety of grasses, forbes, Sedges, Ponderosa Pine, Spruce

Officially designated locality
New Mexico: Rio Arriba Co; Rio de los Pinos
3km (5 mi) S San Miguel lat: 35.9576 N
lon: 106.1770 W, elev: 2551 m

Weather
Clear sky, almost new moon
night temp: 35-40°F, day temp: 65-85°F

Trapline

Clave
43 Sherman
Along rocky slope, facing 30% grade,
0% overskalg, 0% understory, 50% forbaceous
50% bare soil/rock, 10% litter layer.
Dominant plant species include Chamisa,
grasses, Ponderosa

Personal trapline captures
1. 19 captures / 43 traps 44%
2. 8 captures / 43 18%
Species list

Peromyscus maniculatus
Tamias quadriovittatus
Neotoma mexicana
Microtus pennsylvanicus
Microtus longicaudus
Spermophilus lateralis
Myotis volans
Eptesicus fuscus
Lasionycteris noctivagus
Road log
I-25 S for 183 mi / 293.8 km
NM-26 S / State Route 643 toward Hatch 3.08 km
In Hatch: NM-36 S / W Hill St. 4.6 mi / 7.4 km
US-180 E / N Gold Ave 1.96 km
In Deming, I-40 W 70.9 mi / 113.4 km
NH 338 S 81.82 km
Ca Rd C004 / Geronimo Trail 8.8 km
Continue on Geronimo Trail on Ca Rd C002
1.0 mi / 1.6 km

Participants
Meredith Williams MNW
Brooks Kohli BAK
Christina Frank CMF
Carrie Crabtree CAc
Alexandra Honsoi AWH
Matthew R. Jones M2S
David Draper DLD
Kayce Bell KCB
Clare Steinberg CES
C. Jonathan Schmitt CJS
Mario Valencia MGV
Joseph A. Cook SAC
Camille Padilla CP
Steven Webb SR
Sylvia Bonner
Gordon Jarrel
Jon Dunning
Robert Nofchissee
Andrew Hope
Lyinde Zeman
Steve McDonald
Marjore McConnell

General Site
Biparain Zone, grasslands. Stream flows by camp on other side is grassland
Predominant plants oak, juniper, grasses, blue grama

Officially designated locality
NM: Pecosillo Hts : lat 31.51.51 N
lon 107.93.5 W elev 1650

Weather
Clear sky, bright moon/full moon

Trapline
Stephen Webb
46 Sherms in grassland 5% grade
1% cacti 7% understory, 7% herbaceous
3% bare soil/rock 1% litter layer
Dominant plant species Blue grama, yucca, Mendo
juniper
6 species
Species List

Spermophilus variegatus
Chaetodipus pencillatus
Neohama albigula ♀
Pipomys bergeri
Mephitis mephitis
Thomomys bottae
Chacotodipus hispidus
Road log
I-25S from Albuquerque 110mi to highway 1 South (intersection of I-1079S)
Take 1 for about 10 mi, turn on Forest Rd. 225, 4mi to campsite

Participants
Brooks Kohli Bak
Dave Drake DUD
Matt Jones MRJ
Stephan Webb SW
Meredith Williams MWW
Alex Horrell AWH
Kat Schroeder KS
Toby Weisenhaus TSW
Mario Valencia MGV
Sophia Thompson ST
Shawn Whitman SW
Sara Pesko SP
C. Jonathan Schmitt CAS
Jason Thomas
Marjorie McConnell
Robert Novickas
Joe Cook
General Site
Dry grasslands, camp in arroyo.
San Mateo mtns. Plants included Juniper, Mesquite, grasses, oak

Officially designated locality
NM: Socorro Co; San Mateo Mtns
541 km S, 36 km W Socorro; Forest Rd 28
Lat: 33°33.754 Lon 107°20.946
Elev 1896 m

Weather
Clear sky, new moon

Trapping
Kat Schroeder
Shermons
15% grade, 41% denstory, 54% understory,
6% bare rock/soil 1% litter layer
Pines, juniper, oak, forbes,

Personal trapping captures
7 Neotoma
3 Peromyscus
1 Perognathus
1 Biodamia plumensis
Species list
Peromyscus boylii
Peromyscus maniculatus
Neotoma albigula
Perognathus flavus
Onychomys arenicola
Dipodomys merriami, Spectabilis
Choetodipus pencillatus
**Locality:** NM: Rio Arriba Co: Rio de los Pinos 2km w sm middle
**Date:** 10 Sep 2010 - 11 Sep 2010  **Project/Collectors:** Brock, Rux, A. Der

### Trapline 1

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overstory</td>
<td>123456789</td>
<td><em>Chamaecyparis</em></td>
</tr>
<tr>
<td>Understory</td>
<td>0123456789</td>
<td><em>Porwarra</em></td>
</tr>
<tr>
<td>Herbaceous</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Litter layer</td>
<td>0023456789</td>
<td></td>
</tr>
<tr>
<td>Slope</td>
<td>30%</td>
<td></td>
</tr>
</tbody>
</table>

**Captures:**

<table>
<thead>
<tr>
<th>Site Trap #</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td><em>Neotoma</em></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td></td>
<td><em>Penaeus</em></td>
<td></td>
</tr>
</tbody>
</table>

**Second trapline**

<table>
<thead>
<tr>
<th>Trap #</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td></td>
<td><em>Penaeus</em></td>
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</tr>
<tr>
<td>1</td>
<td></td>
<td><em>Neotoma</em></td>
<td></td>
</tr>
</tbody>
</table>

### Trapline 2

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overstory</td>
<td>0023456789</td>
<td><em>Blue Corals</em>, <em>Waan</em></td>
</tr>
<tr>
<td>Understory</td>
<td>0123456789</td>
<td><em>Moduura</em>, <em>Waan</em></td>
</tr>
<tr>
<td>Herbaceous</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Litter layer depth</td>
<td>023456789</td>
<td></td>
</tr>
<tr>
<td>Slope</td>
<td>5%</td>
<td></td>
</tr>
</tbody>
</table>

**Captures:**

<table>
<thead>
<tr>
<th>Trap #</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td><em>Penaeus</em></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td><em>Penaeus</em></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td><em>Neotoma</em></td>
<td></td>
</tr>
</tbody>
</table>

---

**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 = 80-99%, 9 = 90-100%
**TRAPLINE DATA SHEET**

**Locality:** NM: Pelinillo Htts  
**Biome:**  
**Lat:** 31.5152  
**Long:** 109.2356  
**Elev:** 1470m  
**Date:**  
**Project/Collectors:** Alex Horsell, Jeffrey Webb  
**Notes** (Moon, weather, temp.):  

<table>
<thead>
<tr>
<th>Trapline No.</th>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
<th>Capture</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Overstory: 003 3456789</td>
<td></td>
<td>Blue Grama, Vicia</td>
<td>80 trapsites</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Understory: 012 3456789</td>
<td></td>
<td></td>
<td>40 total Sherman traps</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Herbaceous: 012 3456789</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bare soil/rock: 012 3456789</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Litter layer: 012 3456789</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Slope: %</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Captures:**

80 trapsites  
40 total Sherman traps

Ø Species caught
### Trapline No. 5

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
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<tbody>
<tr>
<td>Overstory:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Understory:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Herbaceous:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Litter layer:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Slope:</td>
<td>1 5 %</td>
<td></td>
</tr>
</tbody>
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**Captures:**

<table>
<thead>
<tr>
<th>Trap #:</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>4111</td>
<td>7</td>
<td>Neotoma</td>
<td></td>
</tr>
<tr>
<td>1111</td>
<td>3</td>
<td>Peromyscus</td>
<td></td>
</tr>
<tr>
<td>7 0</td>
<td>1</td>
<td>Perognathus</td>
<td></td>
</tr>
<tr>
<td>0 1</td>
<td>1</td>
<td>Mervami</td>
<td></td>
</tr>
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### Trapline No. 5

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/units</th>
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</thead>
<tbody>
<tr>
<td>Overstory:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Understory:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Herbaceous:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Litter layer depth:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Slope:</td>
<td></td>
<td>%</td>
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</table>

**Captures:**

<table>
<thead>
<tr>
<th>Trap #:</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
</table>

**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%
<table>
<thead>
<tr>
<th>No.</th>
<th>Species</th>
<th>Sex</th>
<th>Collection Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><em>Spermophilus beecheyi</em></td>
<td>♂♀</td>
<td>Northern California: San Luis Obispo, 4.8 km E of Creston, 36°55'41''N 120°28'11''W 25 May 2009</td>
</tr>
<tr>
<td>2</td>
<td><em>Neotoma mexicana</em></td>
<td>♂♀</td>
<td>NM: Rio Arriba Co, Rio de los Pinos, 3 km W San Miguel, 35°57'46''N 106°17'00''W 11 September 2010</td>
</tr>
<tr>
<td>3</td>
<td><em>Neotoma mexicana</em></td>
<td>♂♀</td>
<td>NM: Hidalgo, Elencillo Mtns 31.5'16''N 108°48'45''.W</td>
</tr>
<tr>
<td>4</td>
<td><em>Tamias quadrivittatus</em></td>
<td>♂♀</td>
<td>NM: Rio Arriba Co, Rio delos Pinos, 3 km W San Miguel, 35°57'46''N 106°17'00''W</td>
</tr>
<tr>
<td>5</td>
<td><em>Neotoma albigula</em></td>
<td>♂♀</td>
<td>NM: Rio Arriba Co, Rio delos Pinos, 3 km W San Miguel, 35°57'46''N 106°17'00''W 11 Sept 2010</td>
</tr>
<tr>
<td>6</td>
<td><em>Tamias quadrivittatus</em></td>
<td>♂♀</td>
<td>Alpine, NE Alaska 28 Oct 2010</td>
</tr>
<tr>
<td>7</td>
<td><em>Sorex monticolus</em></td>
<td>♂♀</td>
<td>NM: 113°48'13''-XX=68, 1968260 } +Skeletal +Tissue</td>
</tr>
<tr>
<td>No.</td>
<td>Collection Date</td>
<td>Location</td>
<td>Species</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------</td>
<td>----------</td>
<td>---------</td>
</tr>
<tr>
<td>8</td>
<td>11 September 2010</td>
<td>Rio Arriba Co, Rio de los Pinos, 3 Km W San Miguel</td>
<td>8 ( (5 \times 2) ) Epiesicus fuscus</td>
</tr>
<tr>
<td>9</td>
<td>30 October 2010</td>
<td>Socorro, 5.4 km S, 36 km W of Socorro, S Forest</td>
<td>9 ( (2 \times 3) ) Neotoma mexicana</td>
</tr>
<tr>
<td>10</td>
<td>30 October 2010</td>
<td>Socorro, 5.4 km S, 36 km W of Socorro, S Forest</td>
<td>10 ( (2 \times 5) ) Neotoma mexicana</td>
</tr>
<tr>
<td>11</td>
<td>30 October 2010</td>
<td>Socorro, San Mateo Mts., S Forest Road 225</td>
<td>11 ( (2 \times 5) ) Neotoma albigna</td>
</tr>
<tr>
<td>12</td>
<td>30 October 2010</td>
<td>Socorro, San Mateo Mts., S Forest Road 225</td>
<td>12 ( (2 \times 6) ) Neotoma albigna</td>
</tr>
</tbody>
</table>
TRAPLINE DATA SHEET

Locality: S1M - Rio Arriba on Route 965, 34.62567N, 106.14204W, Elev. 3351m
Lat: 35.54528, Long: 106.14204, Elev. 3351m
Date: 16-17 Sep 2010, Project/Collector: Corrie Crabtree
Notes (Moon, weather, temp.): New moon; clear sky; notable freezing

Trappe No. 038-3AT

Cover Class | Height/units | Dominant Plant Species
-------------|--------------|------------------------
Oversstory:  | 01 3 4 5 6 7 8 9 | Alnus, Salix, willows, junipers
Understory:  | 01 2 3 4 5 6 7 8 9 | Rose, blues, springrose
Herbaceous:  | 01 1 2 3 4 5 6 7 8 9 |
Bare soil/rock: | 01 1 2 3 4 5 6 7 8 9 |
Litter layer: | 01 1 2 3 4 5 6 7 8 9 |
Slope: 0-10% |

Captures:
1 woodrat
Nectaria mexicana
6 Peromyscus maniculatus
1 Peromyscus maniculatus
1 Micrones longicudus

Trappe No. 432-3GHEC

Cover Class | Height/units | Dominant Plant Species
-------------|--------------|------------------------
Oversstory:  | 01 2 3 4 5 6 7 8 9 |
Understory:  | 01 2 3 4 5 6 7 8 9 |
Herbaceous:  | 01 2 3 4 5 6 7 8 9 |
Bare soil/rock: | 01 1 2 3 4 5 6 7 8 9 |
Litter layer depth: | 01 1 2 3 4 5 6 7 8 9 |
Slope: % |

Captures:

Trap #: NK Number | Species | Ecological Data
-------------|---------|------------------

Cover Classes
0 = 0.0%, 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%
Road Log - From UNM we headed 125N, took Exit 59, Santa Fe bypass, merged US 85N/US 550N, North to Española, right on US 84N till Antonito County then left going west. Hit dirt Road at 0.59 mi, left on RR 443 @ 1.4 mi, at 4.7 miles hit Malaney's trapline, @ 8.8 m continue straight.

Participant List
Brooks Kohli BAK
Christina Frank CMF
Alexandra Hensell Aquit
Toby Weisenhauw TSW
Matthew Jones MRS
Ben Stanley BDS
David Draper OLD
Meredith Williams MWW
Vanessa Martinez VLM
Kayce Bell KCB
Claire Steinberg CES
C. Schnoith-Schmitt CSS
Mario Valencia MGV
Joseph Acord SAC
Jason Malaney SLM
Carrie Pedilla CEP
Carrie Crabtree CAC Emile Valdez GNVB

General Site Description - narrowleaf cottonwood (Rhus emerso), Riparian, Rocky Mountain Juniper (Juniperus scopulorum), Blue Spruce (Picea engelmanni), Ponderosa Pine (Pinus ponderosa), Alder (Alnus glutinosa), Willow (Salix lasiandra), 20% overstory (60% understory), 70% decomposed, 70% litter layer
Official locality
US. NM; Rio Arriba; Rio de los Pinos, 36 km W
San Miguel, 35.9576N, 106.1770W

Weather
There was a new moon. The temperature was 4°C, cold but not quite freezing. Some frost was present on traps earlier in the morning. The day was average temperature 20°C.

Trapline information
name - CMFCA1
People - Carrie Crabtree and Christina Frank

Traps - 72 sherman traps
Traps were set across the river from camp in a riparian habitat. There was approximately 60% cover, 20% overstory. Nodwheat, cottonwoods were abundant. Also present were Rosa, Juniper, Blue spruce and willow.
Tally of captures

9/11 - 1st day - 6 Peromyscus maniculatus
   1 Peromyscus maniculatus - was thought to be different at first
   1 Neotoma mexicana

9/12 - 2nd day - 1 microtus longicaudus

Species list for trip:

Peromyscus maniculatus
Tamias quadrivittatus
Neotoma mexicana
Microtus pennsylvanicus
Microtus longicaudus
Spermophilus lateralis
myotis volans
Eptesicus fuscus
Lasionycteris noctivagans
# TRAPLINE DATA SHEET

<table>
<thead>
<tr>
<th>Locality:</th>
<th>nm:Hidalgo Polo Range mountains</th>
<th>Biome: Woodland</th>
</tr>
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<tbody>
<tr>
<td>Lat:</td>
<td>33° 31' 50&quot; N</td>
<td></td>
</tr>
<tr>
<td>Long:</td>
<td>106° 24' 23&quot; W</td>
<td></td>
</tr>
<tr>
<td>Elev.:</td>
<td>1650 m</td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td>29-20 Sept 1985</td>
<td></td>
</tr>
<tr>
<td>Project/Collectors:</td>
<td>Carrie Crabtree</td>
<td></td>
</tr>
<tr>
<td>Notes (Moon, weather, temp.):</td>
<td>Full moon, cloudy, humid</td>
<td></td>
</tr>
</tbody>
</table>

**Cover Class**

| Overstory:     | 0123456789 |
| Understory:    | 0123456789 |
| Herbaceous:    | 0123456789 |
| Bare soil/rock:| 0123456789 |
| Litter layer:  | 0123456789 |
| Slope:         | 0%          |

**Trapline No. 1C1-CMF-1**

- **Dominant Plant Species**: Alligator Juniper, Chihuahuan Desert Grass, yucca, rabbitbrush
- **Captures**:
  - 1 - Neotoma albicula
  - 1 - Sonoran Playl

**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%
Road Log
From NM go I-255 to Hatch. Take 26 to Demming. NM. Go south of Aimas to Orozono Trail. And go west 7.0 on Coronado National Forest. 8.2 Camp on south side of road.

Participant List
Brooks Kohli BAK
Christina Frank CMF
Alexandra Hansell AIW
Sara Jesko SMP
David Draper BD
Camille Padilla CSP
Stephan Webb SFW
Jonathan Schmit SS5
Kat Shroder KAS
Matt Jones MJ
Meredith Williams MWW
Maria Valencia MWW
Clare Steinberg CES
Kayla Bell KCB

General Site Descriptions
Woodland area with Alligator Sunflower (Sunflower asdeflrea) and Wild Grape (Vitis girardii) Pinon Juniper (Pinus edulis) near camp. There is 80% overstory, 50% understory, 20% herbaceous and next to the creek (60% Baresoil/Rock and 50% litter layer. Across the
Road where our other trapline was located.
There was no overstory and 50% understory dominated by Creosote, Gross and Yucca.

Official Locality
US: AZ - Hudgo, Peloncillo Mountains, 31.5167N 108.98145W, Elevation 1650m

Weather
During the day it was hot 26°C with the night being quite warm 15°C. The moon was full providing a lot of light.

Trapline Information
Name: CACMFL
People: Carrie Crabtree and Christina
Frank
Traps: 40 Shermans
Traps were set alongside a creek with 80% overstory dominated by Juniper and 50% understory with wild grape. There was 10% bare soil and rock 5% tilth layer and noslope.

Diagram:
[Diagram of trapline with x's along the creek]
Name - CACMFZ
People - Carrie Craftree and Christian Frank
Traps - 20 Sherman 20 snap traps

Trap line was set 0.5mi down the road of camp. There was no overstory and 80% under story dominated by grazing grass with a few sparse yucca. The slope of the hill was 30%.

Tally of captures
9/25 = 1st day 1 - Neotoma albigula
1 - Sonoran whipfial - by accident
9/26 = 2nd day 1 - Chaetodipus hispidus

Species list
Spermophilus variegatus
Chaetodipus penicillatus
Neotoma albigula
Peromyscus boylii
Neotoma megalis
Thymomys bottae
Chaetodipus hispidus

ROAD
Every Sherman was set by a snap trap.
<table>
<thead>
<tr>
<th>No.</th>
<th>Species</th>
<th>Location Details</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>* Thomomys bottae*</td>
<td>220 - 71 - 29 - 5 = 398&lt;br&gt;NK 19, 134 + skel + tissue&lt;br&gt;NM: Rio Arriba Co; Rio de los Pinos, 3Km W San Miguel, 35.957 N 106.177 W &lt;br&gt;11 September 2010</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>* Perognathus floridanus*</td>
<td>6 - June - 1977&lt;br&gt;Saline Cr Creek RR 316 H3 D Burkett 73 - 05 - 30 - 56 = 133&lt;br&gt;NK 19, 5932&lt;br&gt;SKULL ONLY&lt;br&gt;<em>Sample to decomposed/freezer burn</em></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>* Notiosorex crawfordi*</td>
<td>73 - 05 - 30 - 56 = 133&lt;br&gt;NK 19, 5932&lt;br&gt;SKULL ONLY&lt;br&gt;<em>Sample to decomposed/freezer burn</em></td>
<td></td>
</tr>
</tbody>
</table>
Catalogue

USA: NM; Socorro Co; San Mateo Mountains; Forest Rd 225
33.54298° N 107.38338 W Elev: 1737 m
30 October 2010

10.♂ Dipodomys merriami 34-199-39-42=83
NK1959106 Testes (4x3) mm + Skeletal and Tissue Cestodes (in small intestines) + Flea 3 ticks
ACCN: 2010.047

11.♀ Neotoma albigula 33-151-35-30=1439
NK195984 + Skeletal and Tissues Repro: CEL; PLCD-2L, 1R (33.33754 N)
Elev: 1898 m
1 Flea ACCN: 2010.047

12.♂ Neotoma albigula 34-156-35-31=1839
NK195986 + Skeletal and Tissues Testes (16x9) mm
No parasites ACCN: 2010.047 (33.33754 N)
Elev: 1898 m

13.♀ Neotoma albigula 32-135-34-30=1069
NK195973 + Skeletal and Tissues Enlarged Spleen; 5 botfly larvae (4 collected)
ACCN: 2010.047 33.54376 N 107.38338 W
Elev: 1747 m
Trip #1 Rio Arriba County

Road Log September 10-10 2010

- Left UNM and got on I-25 N
- exit 88 Santa Fe bypass
- Merged onto US-85 N / US-84 N
- North of Española turned right onto US 85 N
- Stayed on 85 N till Antonito CO, turned left going west
- Hit dirt road at 0.59 m:
- Left on 443 at 1.4 m:
- at 4.7 miles Malaney's trapline
- at 8.8 m: continue straight.

People Present:
- Christina M. Frank CMF
- Brooks A. Kohl BAK
- Carrie A. Crabtree CAC
- Alexandra W. Hahseil AWH
- Toby J. Weisenhaus TJW
- Ben D. Stanley BDS
- David L. Draper DLD
- Meredith Williams MW
- Vanessa L. Martinez VLM
- Kayce Bell KCB
- Clare Steinberg CES
- C. Jonathan Schmitt CJS
- Mario C. Valencia MGV
- Joseph A. Cook JAC
- Jason L. Malaney JLM
- Camille E. Padilla CEP
- Ernest D. Valdez EDV
Los Pinos River is a riparian habitat. East of our campsite is a river 100 feet wide. September has provided a very green surrounding. The coverage of land by trees is about 70%. The species contributing to the cover are rabbit brush, Mollen, narrow leaf cottonwood, oak, Rocky mountain junipers, Conifers: Blue Spruce, Douglas Fir, willows, alfalfa, rose, Alder and ponderosa. The understory is not very dense, an average 3 inches. The overstory ranges in height from 20 ft to 300 ft or more.

Weather: The weather was sunny during the day with sparse cloud cover. Mild temperatures in the 70°F range daily. The nights were clear skies with cooler temperatures probably in the low 40's although no official readings were taken.
Trip #1: Species list; traplines from everyone.

1. Peromyscus maniculatus
2. Tamias quadrivittatus
3. Neotoma mexicana
4. Microtus longicaudus
5. Microtus pennsylvanicus
6. Spermophilus lateralis
7. Myotis volans
8. Eptesicus fuscus
9. Lasiopterus noctivagans

*CMF-CAC-1*

9 specimens total
1 before crossing river
8 after crossing river

- Best success was near water & heavily grassed
- We couldn’t access the river next to the rock face because vegetation was

Los Pinos River

(67 traps) total

to camp
Trip #2
Hidalgo County

Road Log
24-September-2010
26-September-2010

We took I-25 south from UNM campus for 29.28 km and then turned onto NM-365/State Road 543 toward Hatch, for 2.08 km. In Hatch, we continued on NM-365 S/W Hall St. for 74.4 km until turning on to US-180 E/N Gold Ave. for 1.96 km to Deming. In Deming we turned onto I-10 west for 113.44 km. We then turned onto CO Rd. C004/ Geronimo trail for 1.6 km. Our camp was on the south side of the road.

Participant List
Meredith Williams MNW
Brooks Kohli BAK
Christina Frank CMF
Alexandra Hansell AWH
Sara Peska SMP
David Draper DLD
Camille Padilla CEP
Stephen Webb SRW
Jonathan Schmitt JS
Kat Schroeder KMS
Matt Jones MRS
Carrie Crabtree CAC
Mario Valencia MVA
Trip # 2  Hidalgo County

*Participant List continued*

<table>
<thead>
<tr>
<th>Name</th>
<th>Agency/ID</th>
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<tbody>
<tr>
<td>Clare Steinberg</td>
<td>CES</td>
</tr>
<tr>
<td>Kayce Bell</td>
<td>KC8</td>
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<tr>
<td>Joseph A. Cook</td>
<td>JAC</td>
</tr>
<tr>
<td>Sylvia Brunes</td>
<td>SB</td>
</tr>
<tr>
<td>Jon Donnam &amp; Family</td>
<td></td>
</tr>
<tr>
<td>Andrew Hope</td>
<td>A-H</td>
</tr>
<tr>
<td>Lydia Zeglis</td>
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<tr>
<td>Steve Mac Donald</td>
<td>SM</td>
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<td>Marjorie McConnel</td>
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<tr>
<td>Robert</td>
<td>R</td>
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<tr>
<td>Gordon</td>
<td>G</td>
</tr>
</tbody>
</table>

*CAC-CME-1*

This trалnine followed the creek upstream on our camp side, so no river crossings were necessary to check trалlines. The Saturday morning check we had caught 1 neotoma albina. Around lunch time Sylvia and marjorie had added #’s to the Sherman traps. Our 2nd pass we had captured a Sonoran whipsnake *Masticophis Bilineatus* (confirmed by Gordon) in trap # 147.
<table>
<thead>
<tr>
<th>Trip #2</th>
<th>Site Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>East</td>
<td></td>
</tr>
</tbody>
</table>

Campground: (East side of road) lots of overstory around camp. There is a creek/river/stream next to our camp. East of the water is a steep rock incline. North of the dirt road is grassland with little overstory (5%0.). In camp the overstory was (50% soft in height). Understory ranges from minimal (5%0.) to very dense (60%). The trees were Oak, there was alligator juniper, wild grape, and grandma grass. Out in the meadow outside of the woodland was grass and Yucca.

<table>
<thead>
<tr>
<th>Weather</th>
<th></th>
</tr>
</thead>
</table>

We had moderate temperatures (in comparison to the first trip much warmer in the days and nights). The river/creek next to the camp made the evenings feel humid. The moon was full and the moonlight may have discouraged mammal activity. Daytime skies were clear with lots of sunshine. There were a lot of herps present on moonlight hikes.
Trip #2 Hidalgo County

Camp

Thick woodland biome

CAC-SME-1

Trapping

Stream/Wash

Bat nets

Rock Face

Grass meadow (undisturbed land)

Yuccas

CAC-SMF-2

Caught 1 chaetopinus hispidus in snap

Uphill hike

1/4 mile from camp

Dirt Road

Trapline (80 Shermans, 80 Snap traps)

Camp

Wash
# Trip #2

**Species List**

- Spermophilus lateralis
- Chaeodipus pennisillatus
- Neotom a albigena
- Peromyscus boylii
- Mephitis mephitis
- Thomomys bottae
- Chaeodipus hispidus
**TRAPLINE DATA SHEET**

**Locality:** NM: Rio Arriba Co.; Rio de los Pinos; 3 mi. N San Miguel, NM.  
**Biome:** Riparian.  
**Lat:** 35° 45' 76"  
**Long:** -106° 17' 10"  
**Elev:** 3587 ft.  
**Date:** 10-12 Sept 2010  
**Project/Collectors:** Christina Frank  
**Notes (Moon: weather: temp):** See field weather notes.

<table>
<thead>
<tr>
<th>Trapline No.</th>
<th>CMF-1AC-1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cover Class</strong></td>
<td>Height/units</td>
</tr>
<tr>
<td>Overstory:</td>
<td>0123456789</td>
</tr>
<tr>
<td>Understory:</td>
<td>0123456789</td>
</tr>
<tr>
<td>Herbaceous:</td>
<td>0123456789</td>
</tr>
<tr>
<td>Bare soil/rock:</td>
<td>0123456789</td>
</tr>
<tr>
<td>Litter layer:</td>
<td>0123456789</td>
</tr>
<tr>
<td>Slope:</td>
<td>9-10%</td>
</tr>
</tbody>
</table>

**Captures:**

<table>
<thead>
<tr>
<th>Trap #:</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Neotoma Mexican</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>peromyscus maniculatus</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(ended up being maniculatus)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Microtus Longicaudus</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trapline No.</th>
<th>CMF-1AC-2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cover Class</strong></td>
<td>Height/units</td>
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<td>0123456789</td>
</tr>
<tr>
<td>Understory:</td>
<td>0123456789</td>
</tr>
<tr>
<td>Herbaceous:</td>
<td>0123456789</td>
</tr>
<tr>
<td>Bare soil/rock:</td>
<td>0123456789</td>
</tr>
<tr>
<td>Litter layer depth:</td>
<td>0123456789</td>
</tr>
<tr>
<td>Slope:</td>
<td>%</td>
</tr>
</tbody>
</table>

**Captures:**

<table>
<thead>
<tr>
<th>Trap #:</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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%
### Trapline Data Sheet

**Locality:** US: NM; Hidalgo Co: Ellicott mtns  
**Biome:** woodland  
**Lat:** 31°51'6"N  
**Long:** 106°17'6"W  
**Alt:** 4560 M (14,950 ft)  
**Date:** 24 Sept 2010  
**Project/Collectors:** Christina M Frank  
**Notes (Moon, weather, temp):** Full Moon / See weather notes  
**Cover Classes:** Right next to stream bed

<table>
<thead>
<tr>
<th>Trapline No.</th>
<th>CAC-CAE-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cover Class</td>
<td>Height/units</td>
</tr>
<tr>
<td>Overstory</td>
<td>01 23456789</td>
</tr>
<tr>
<td>Understory</td>
<td>01 23456789</td>
</tr>
<tr>
<td>Herbaceous</td>
<td>01 23456789</td>
</tr>
<tr>
<td>Bare soil/rock</td>
<td>01 23456789</td>
</tr>
<tr>
<td>Litter layer</td>
<td>01 23456789</td>
</tr>
<tr>
<td>Slope</td>
<td>0%</td>
</tr>
</tbody>
</table>

**Captures:**

<table>
<thead>
<tr>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>147</td>
<td><em>Nectria micans</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Masticognis binicatus</td>
<td>Sonoran whip snake</td>
</tr>
</tbody>
</table>

---

**Locality:** US: NM; Hidalgo Co: Ellicott mtns  
**Biome:** woodland  
**Lat:** 31°51'6"N  
**Long:** 106°17'6"W  
**Alt:** 4560 M (14,950 ft)  
**Date:** 24 Sept 2010  
**Project/Collectors:** Carrie A. Crabtree  
**Notes (Moon, weather, temp):** Full Moon / See weather notes  
**Cover Classes:**

<table>
<thead>
<tr>
<th>Trapline No.</th>
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</thead>
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<td>Height/units</td>
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<tr>
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<td>Understory</td>
<td>01 23456789</td>
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<tr>
<td>Herbaceous</td>
<td>01 23456789</td>
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<tr>
<td>Bare soil/rock</td>
<td>01 23456789</td>
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<tr>
<td>Litter layer</td>
<td>01 23456789</td>
</tr>
<tr>
<td>Slope</td>
<td>30%</td>
</tr>
</tbody>
</table>

**Captures:**

<table>
<thead>
<tr>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Snap trap</td>
<td><em>Chaetodipus hispidus</em></td>
<td></td>
</tr>
</tbody>
</table>

---

**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%
Catálogo

USA, California, 4.8 km ESE of Creston,
36°55' Língua Ln., San Luis Obispo Co.,
35° 30' 29" N 120° 28' 11" W
22 May 09

<p>| 1 | o | Spermophilus beecheyi | 444-113-56-29 |
|   |   | + skull + tissue       | 815g         |</p>
<table>
<thead>
<tr>
<th>SB Whiteman</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalogue</td>
<td></td>
</tr>
<tr>
<td>Rio de los Pinos, 3 km W of San Miguel</td>
<td></td>
</tr>
<tr>
<td>USA: NM: Rio Arriba Co. Carson National Forest</td>
<td>36.9576°N 106.1770°W, 2551 m</td>
</tr>
<tr>
<td>3. ♀ CSN Neotoma mexicana 29.2·131.3·3.22 = 96g</td>
<td></td>
</tr>
<tr>
<td>NK 195785</td>
<td>12 Sept 2010 + skin + stel + tissue</td>
</tr>
<tr>
<td>4. ♂ 3.3mm Tanius quadrivittatus 230·104.3·3.20 = 58g</td>
<td></td>
</tr>
<tr>
<td>NK 195894</td>
<td>12 Sept 2010 + skin + stel + tissue</td>
</tr>
</tbody>
</table>
Class Trip 3

Road Log: 5 mi on I25 from UNM; exit 115, after crossing highway 5 on Highway 1; continue for 12 mi; right on FR 2015; camp is 4 mi down on the left.

Site description: Scrublands moving from riparian zone to rocky slopes. Dominant plants: Juniperus monosperma and Bouteloua sp. Upper story 6 ft, understory 6-12 in, overall 40-50% cover

Locality: San Mateo Mountains - USA: NM: Socorro Co., 54 km S, 36 km W of Socorro, Forest Road 225, 33° 32.425'N 107°16.748'W 1703 m

Weather: temperate, freezing at night, high around 65°F

Species List:

Peromyscus boylii
P. maniculatus
P. eremicus
Neotoma albicola
Perognathus flavus
Onychomys arcticus
Dipodomys merriami
D. spectabilis
Thomomys bottae
Chaetodipus penicillatus
Sylvilagus audubonii
Map of SBW MV 1

Camp

Road

Stream

Trapline

Rocky Slope

Rock outcrop
TRAPLINE DATA SHEET

Locality: 54 km S, 36 km W of Socorro, Forest Rd 225  
Lat: 33°21'45"N, Long: 107°47'14"W, Elev. 1793 m  
Date: 10/30/2010  
Project/Collectors: Martin Valenzuela, S.B. Whitman

Notes (Moon; weather; temp.):  

---

Trapline No: 5860 MV

Cover Class | Height/units | Dominant Plant Species
------------|--------------|------------------------
Overstory:  | 0123456789  | *Juniperus scopulorum*  
Understory: | 0123456789  | *Bouteloua sp.*        
Herbaceous: | 0123456789  |
Bare soil/rock: | 0123456789 |
Litter layer: | 0123456789 |
Slope: | % |

---

Captures:

<table>
<thead>
<tr>
<th>Trap #</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>12</td>
<td>Chaetodipus</td>
<td>Grassland</td>
</tr>
<tr>
<td>12</td>
<td>20</td>
<td>Peromyscus</td>
<td>Rocky slope</td>
</tr>
<tr>
<td>20</td>
<td>22</td>
<td>Neotoma</td>
<td>Rocky slope</td>
</tr>
</tbody>
</table>

---

Trapline No: 5860 MV

Cover Class | Height/units | Dominant Plant Species
------------|--------------|------------------------
Overstory:  | 0123456789  | *Juniperus scopulorum*  
Understory: | 0123456789  | *Bouteloua sp.*        
Herbaceous: | 0123456789  |
Bare soil/rock: | 0123456789 |
Litter layer: | 0123456789 |
Slope: | % |

---

Captures:

<table>
<thead>
<tr>
<th>Trap #</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>7</td>
<td>Peromyscus</td>
<td>Grassland</td>
</tr>
<tr>
<td>7</td>
<td>28</td>
<td>Peromyscus</td>
<td>Rocky slope</td>
</tr>
</tbody>
</table>

---

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%
5. **Neotoma albigula** 345.18° 34.29' = 180°
   NK 195934
   +skel + tissues
   tests 14 x 8

6. **Neotoma albigula** 292.12° 32.27' = 121°
   NK 195951
   +skel + tissues

7. **Orychomys torridus** 135.44° 18.15' = 16°
   NK 195967
   +skel + tissues
   tests 5 x 2
<table>
<thead>
<tr>
<th>8.</th>
<th><em>Mustela erminea</em></th>
<th>296.82 - 42.12 - 104</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NK 137774</td>
<td><em>skel + skin + tissue</em></td>
</tr>
<tr>
<td></td>
<td>USA: Washington: Ferry Co. - Winter 2008-09</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9.</th>
<th><em>Neotoma mexicana</em></th>
<th>336.15 - 0.32 - 30.16</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NK 195791</td>
<td><em>skel + skin + tissue</em></td>
</tr>
<tr>
<td></td>
<td>USA: NM: Rio Arriba Co., Carson Nat. Forest</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rio de los Pinos: 3 km W of San Miguel</td>
<td></td>
</tr>
<tr>
<td></td>
<td>35.9576 N 106.1770 W 2551 m</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11 Sept. 2010</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10.</th>
<th><em>Sorex monticolus</em></th>
<th>113.48 - 9.4 - 7.8</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NK 137773</td>
<td><em>skel + skin + tissue</em></td>
</tr>
<tr>
<td></td>
<td>USA: AK: Katchemak Bay, Yoken Island</td>
<td></td>
</tr>
<tr>
<td></td>
<td>59.30.943 N 151.29.66 W</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>SB Whitman</td>
<td></td>
</tr>
<tr>
<td>USA: NM:</td>
<td>Río Arriba County, Río de los Pinos, 1 km S, 5 km E of San Miguel</td>
<td></td>
</tr>
<tr>
<td></td>
<td>36° 9' 56.9&quot; N 106° 10' 09.7&quot; W, 2487.5 m</td>
<td></td>
</tr>
<tr>
<td>T=10x4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>♂ Neotoma mexicana</td>
<td>310.130.34.21.15 g</td>
</tr>
<tr>
<td>NK 137784</td>
<td>*skin, *skele, +tissue</td>
<td></td>
</tr>
<tr>
<td>T=10x4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>♂ Neotoma mexicana</td>
<td>319.142.35.20.149 g</td>
</tr>
<tr>
<td>NK 137785</td>
<td>*skin, *skele, +tissue</td>
<td></td>
</tr>
<tr>
<td>Catalogue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>California: San Luis Obispo Co.; 4.8 km ESE of Creston; 36°55' Linguisit Lane; 35°30' 27&quot;N, 120°28' 11&quot;W. 25 May 01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 1</td>
<td><em>Sphephillus beecheyi</em></td>
<td>415-140.57-20 = 375g</td>
</tr>
<tr>
<td></td>
<td>NK19613</td>
<td>+skelton +tissue</td>
</tr>
<tr>
<td>NM: Rio Arriba Co.; Rio de las Ninas; 3 km W of San Miguel; 33°33'46&quot;N, 106°13'7&quot;W, elev. 2881m. 11 Sep 70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 2</td>
<td><em>Neatoma Mexicana</em></td>
<td>314-133-32-2xE197g</td>
</tr>
<tr>
<td></td>
<td>NK195763</td>
<td>+skelton +tissue</td>
</tr>
<tr>
<td>- 3</td>
<td><em>Tanias quadrivittatus</em></td>
<td>231-102-34-19 = 58g</td>
</tr>
<tr>
<td></td>
<td>NK195730</td>
<td>+skelton +tissue</td>
</tr>
<tr>
<td>- 4</td>
<td><em>Neatoma Mexicana</em></td>
<td>262-115-32-2T = 83g</td>
</tr>
<tr>
<td></td>
<td>NK195786</td>
<td>+skelton +tissue</td>
</tr>
<tr>
<td>- 5</td>
<td><em>Tanias quadrivittatus</em></td>
<td>215-90-30-17 = 8g</td>
</tr>
<tr>
<td></td>
<td>NK195851</td>
<td>+skelton +tissue</td>
</tr>
<tr>
<td>NM: Polansville Ranch; Hidalgo Co.; Clinton Creek, 31°51'73&quot;N, 109°18'56&quot;W, elev. 1658m. 25 Sep 2010</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 6</td>
<td><em>Neatoma albigula</em></td>
<td>324-142-33-29 = 188g (193g)</td>
</tr>
<tr>
<td></td>
<td>NK195900</td>
<td>+skelton +tissue</td>
</tr>
</tbody>
</table>
- **Spermophilus lateralis** 272-97-43-24=180g
  NK 195892 + skeleton + tissue

USA: Alaska; Flower Mtn; Site 76a; 52.3964°N, 136.29034°W; elev. 2838 ft.
17 July 2010

- **Sorex cinereus** 111-44-13-2=8.1g
  NK 196862 + skeleton + tissue

NM: Socorro Co; FR 225; S 34 km S, 36 km W of Socorro;
33.5414°N, 107.28172°W; elev. 1747 ft
30 Oct. 2010

- **Dipodomys merriami** 243-158-39-18=36g
  NK 195941 + skeleton + tissue

NM: Socorro Co; 54 km S, 36 km W of Socorro; Forest Rd 225;
33.3243°N, 107.16715°W; elev. 1746 ft
30 Oct. 2010

- **Dipodomys merriami** 238-132-41-18=43g
  NK 195950 + skeleton + tissue
NM: Socorro Co.; 54 km S, 36 km W of Socorro; Forest Rd 225; 33.54258°N, 107.28252°W; elev. 1751 m. 30 Oct. 2010

- 11 Diodonys spectabilis 344-196-52-15  12.7 g
  NK 195964  + skeleton + tissue

USA: NM: Rio Arriba Co.; Rio de los Pinos, 3 km W of San Miguel; 33.9576°N, 106.1770°W; elev. 2551 m. 11 Sept. 2010

- 12 Lasiomycteria noctivagans 91-42-9-9  9.8 g
  NK 137739  + skeleton + tissue
2/10 - 9/12 (2010)

1) Road Log - From Albuquerque, take I-25 North past Santa Fe, and onto Highway 285. Take Highway 285 from Española, north toward the Colorado border. Take a left on PR 3 and follow the path for several miles (~10mi).

[10-12, September 2010]

2) Participant List - Brooks Wells (BAK)

   Christina Freak (CMF)        Carrie Crocker (CAC)
   Alexandra Hazel (AWH)        Toby Waynhaus (TSW)
   Matthew Jones (MJS)          Ben Stanley (BDS)
   David Draper (OLD)           Mark Whitt (MWH)
   Veronica Martino (VPM)       Hayne Bell (KCB)
   Clare Steinberg (CDS)        Jonathan Schmidt (JLS)
   Maria Valeria (MVW)          Joseph Cook (JAC)
   Jason Maloney (JML)          Cameron Nolls (CP)

3) Roadside Description - The site was primarily a riparian zone. The plant species were as follows:

   Rhus aromatica, Populus angustifolia, Tilia sp, Picea pungens, 
   Pinus ponderosa, Salix sp, Alnus incana, Popa sp, Corokia 
   sericea, + Swiperrus scoparius. The percent of 
   plant coverage was ~60%. The north face was 
   dry and very rocky. The south face had more 
   vegetation present. The height of understory was ~ 
   1.2m and the overstory was ~10m.

4) Designated Locality - NM: Rio Arriba Co.; Rio de los 

   Pinos; 3 Km W of San Miguel. 35°05'76"N, 106°01'27"W 

   ele. 2331 m.
### Field Journal

**10-12, Sep. 2010**

5.) Weather: The morning temperature was cold with an average of about 40°F. The afternoon had a high of about 85°F. The weather was very clear with little cloud cover in the afternoon. At night, clear skies and no moon helped us with a large amount of rodents.

6.) Trapping Information: Name of Line: 00-0-M1
   - Name of Fisher: Meredith Williams
   - Number & type of traps: we set up 66 Sherman traps, Sep. 10 evening & overnight, 42 traps during the day on Sep. 11, & 66 traps set overnight on Sep. 11.
   - Description of trapline: Our trapline hugged the main road to our campsite with a 65% slope (rocky) to the north & a river to the south. The trapline covered a very diverse range of terrain, from shady tree coverage to exposed plantless terrain (30% snow).

7.) Map of Locality:

```
North Face
w/ 65% slope
(very rocky)

- Los pinos River

South Face (60%)
- (85%) slope w/
  road over elevation

Campsite
```

---

Notes:
3.) **Trap Jellies:**

- **11 September (morning): 26 total; 16 *nasonica*,
  + 7 *nestina*, + 3 *vainesia quadripartita*.
  *Trap success: 39%*

- **11 September (afternoon): 1 total; 1 *sporophiles lateralis*.
  *Trap success: 2%*

- **12 September (morning): 5 total; 3 *nestina*,
  1 *vainesia quadripartita*, 1 *microtes*.

4.) **Species List:**

- *Amadenus manuelatis*
- *Vainesia quadripartita*
- *Nestina mexicana*
- *Microtes longicaudus*
- *Microtes pennsylvanicus*
- *Sporophiles lateralis*
- *Myotis volans*
- *Eptesicus fuscus*
- *Lasiurus noctivagus*
Field Journal

[24-26 Sept. '10] 1) Road Log - I-25 south from UNM campus for 292.8 km, turn onto NM-265/State route 543 toward Hotel, NM for 20.8 km. Continue on the rd for 40.5 km & turn onto US 180 E/W Gold Ave for 1.9 km to Oelofsen. Turn onto I-10 W for 113.44 km & turn onto NM-3385 for 84.32 km. Cold CO Highway (8.8 km) & then CO21 Kirtland Pueblo for 1.6 km. Camp was on the south side of road.

2) Participants List -

Brooks Kohli (AAK)                 Kayne Bell (KCB)
Christina Frank (CMF)               Joe Cook (JAC)
Alexandra Haswell (AWH)            Sylvia Boyner (5B)
Sarah Pesch (SMF)                  Jordan Turnbull (GJ)
David Draper (OLD)                 Jon Duvall (JD)
Camille Padilla (CEP)               Robert Noflichay (AN)
Stephen Welb (SW)                   Andrew Hopple (AH)
Ket Schroeder (KS)                  Lydia Zerin (LZ)
Merrill Willmott (MWW)              Steve MacDonald (SM)
Carrie Crabtree (CAC)               Marjorie McConnell (KMC)
Mario Valencie (MAV)                Matthew Jones (MRS)
Claire Steinberg (CES)

3) General Site Description - Hypertrophic area w/ dense vegetation in some areas. Juniper & oak woodlands, grasslands w/ blue grass. 15m from a rocky stream, wild grasses, madrone scrub. Overstory cover 70% w/ an understory of 40%. soil x-weathered 40%. One grass found was sedgic carex - serice grass as well

4) Designated Locality - NA: Kirtland Co; Pueblo Mts, 31.51663°W, 108.9833°W, Elevation 1671m
5) **Weather**: Full moon on first night, partial cloud coverage, no precipitation. Temp was about 60°F. At night, the weather was still pretty clear with a lot of moonlight. N 60°F + 95°F (day).

6) **Trapeze Information**: Overstory was about 60%, understory was 20%. About 50% herbaceous was the same percentage of bare soil/rock. About 30% of the line was litter layer. There was no slope on our trapeze. Our 2nd trapeze had the following percentages: Overstory (40%), understory (20%), herbaceous (40%), bare soil/rock (30%), & litter layer depth (10%). There was about a 20% slope.

7) **Map of Locality**

[Map diagram showing forest, meadows, trail, creek, and camp site with marked locations and orientations.]
3) Snap Traps - We set 40 Sherman traps and caught nothing on our first trapline (24 Sept 2010). For our second trapline, we set 20 Sherman, 20 snap traps (25 Sept 2010). We had a 0% success rate for our traplines.

4) Species SITEM:
- Spermophilus variegatus
- Chaetodipus peninsularis
- Neotoma albigula
- Peromyscus longii
- Mephitis mephitis
- Thoromys bottae
- Chaetodipus Liguidus
### Field Journal

(29-31 Oct 2010)

1) **Road Log**: Head south on I-25 from UWM for 129 mi. 
Take exit 115, turn left (heading East), crossing over 
I-25. After crossing, take a right (heading south) on El 
Camino Real IHC Highway 4. Continue for 12 miles until 
taking a right on Forest Rd 225, Camp on 2nd dirt road.

2) **Participant List**

<table>
<thead>
<tr>
<th>Brooks Kohli (BAK)</th>
<th>Jason Thomas (JT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Draper (DLU)</td>
<td>Marjorie McAneney (MM)</td>
</tr>
<tr>
<td>Matthew Jones (MKJ)</td>
<td>Robert Notchissey (RN)</td>
</tr>
<tr>
<td>Stephen Webb (SW)</td>
<td>Joe Cook (TAC)</td>
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<tr>
<td>Meredith Williams (MNN)</td>
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<tr>
<td>Alexandra Howard (AWH)</td>
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<tr>
<td>Kat Schroeder (KS)</td>
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<tr>
<td>Toby Weisibom (TJW)</td>
<td></td>
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<tr>
<td>Mario Valencia (MAV)</td>
<td></td>
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<tr>
<td>Stephanie Thompson (SST)</td>
<td></td>
</tr>
<tr>
<td>Sloan Vila (SDW)</td>
<td></td>
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<tr>
<td>Dana Perkel (SMP)</td>
<td></td>
</tr>
</tbody>
</table>

3) **General Site Description**: Succulent, cholla cactus, scrub, 
populates, alligator jumper at and close to campus. Very 
ard, scrubs, dry desert climates. Cliffs and mountains 
surround the general area of our campsite. Dry, arroyos 
and river beds surrounded the western region around 
our campsite. Primary desert grassland w/ mesquite.
4) **Designated Locality**: NM: Socorro Co; FR 225; 34 Kms S, 36 Kms W of Socorro; 33.54252°N, 107.28252°W; Elev. 1751 M.

5) **Weather**: very clear w/ 20% cloud coverage. Daytime temperatures were around 74°F and nighttime temps reaching 36°F. Winds were approximately 5 mph in the day w/ 15-20 mph during the night.

6) **Trapline Information**: Melton and myself (David Draper) set 70 Sherman, 30 rat traps, 10 pressure specialists. Our trapline name was 123/120. Our trapline started about 20 m north of our campsite. We previously targeted K-cent wandering by placing 2 Shermans and one snap trap at each mound. If mounds aren't present in an area, we targeted secondary locales such as nests. Dry arroyos and river beds were surveyed along the southern portion of our trapline.
8) Trap Tally - For our traps, we caught a total of 5 Dipodops species, 3 Dipodops merriani, and 2 Onychomys arenicola. The species were mainly caught at 10am, and the others were caught using Sherman traps (Oct 30th morning). Our trap success was 9.1%. On the second day (Oct 31st morning), 4 Dipodops merriani, 1 Neotoma albigula, and 1 Onychomys torridus were also Sherman set. Our trap success for this day is 4.5%.

9) Species List -

* Peromyscus leucopus
* Peromyscus maniculatus
* Neotoma albigula
* Perognathus flavus
* Onychomys arenicola
* Dipodops merriani
* Dipodops spectabilis
* Thomomys bottae
* Abrothalamys prec tolerant
* Hylomyscus acutidens
* Peromyscus eremicus
**TRAPLINE DATA SHEET**

**Locality:** NH: SecorCo. ; Pk 205, 7845 ft.; Biome: Desert shrubland

**Lat:** 32.542562°; **Long:** 102.513712°; 1751 m; 36° W of Secor

**Date:** 29 Oct - 31 Oct 2010; **Project/Collectors:** MAX, ALO

**Notes:** (Moon, weather, temp.)

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<thead>
<tr>
<th>Trapline No.</th>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
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**Captures:**

70 Shenin
70 cat mp
10 museum spec

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**Ecological Data**

**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%

**Trapline No.**

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**Captures:**

66 Sherman

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<td>Dipodomys merriami</td>
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<td>66</td>
<td></td>
<td>Onychomys leucogaster</td>
</tr>
<tr>
<td>66</td>
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<td>Neotoma albigula</td>
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**Ecological Data**

- **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%
Catalogue

1. **Spermophilus beecheyi**
   - 361-148-51-20
   - 3'45
   - NK 196156 skeleton, tissue

2. **Neotoma albigula**
   - 372-35-51-2811
   - NK 195401 skeleton, tissue

3. **Tamias quadrivittatus**
   - 236-100-83-22
   - 6'4
   - NK 195853 skeleton, tissue

4. **Neotoma mexicana**
   - 211-90-7a-28 3'889
   - NK 195769 skeleton, tissue

Locations:
- California, San Luis Obispo Co, 4.8 km ESE of Creston; 36°55' Línguist lane, 35°30' 29"N, 120° 28' 14"W
- New Mexico, Hidalgo Co, Peloncillo Mountains; 31°51'15"N, 108° 78' 45"W, elev 1650m
- Rio de los Pinos, 3 km west of San Miguel; 35°95' 76"N, 106°17'06"W, elev 2251m
- USA: N/M Rio Arriba Co, Carson NL Forest, Rio de los Pinos, 3 km W of San Miguel; 36°95' 76"N, 106°17'06"W
USA: Alaska, Alpine SE

5 Sorex multicolorus 126-53-14, x = 8.0g
Nk 196869, skeleton/tissue

USA: NM San Mateo Mountains
4 miles Forest Rd 225.

6 Neotoma albigula
Nk 1959, skeleton/tissue

USA: NM San Mateo Mountains, 4 miles south, Forest Rd 225.

7 Dipodomys spectabilis 329-190534920
Nk 195959, skeleton/tissue

USA: Washington, Ferry Co.

8 Mustela erminea 278-67-44.6 = 68g
Nk 1377772, skeleton/tissue

San Mateo Mountains, Forest Rd 225
Elevation 1895 33°75'44" N 107°36.066W

9 Neotoma albigula 327-138-32-31 = 168g
Nk 195982, skeleton/tissue
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**TRAPLINE DATA SHEET**

**Locality:** NM: Hidalgo Co. Placitas Mountains  
**Biome:** Riparian

**Lat:** 31° 56' 46"  
**Long:** 106° 28' 56"  
**Elev:** 1680m

**Date:** 9/24/10  
**Project/Collector:** Mamology 2010 Fall  
**Notes (Moon; weather; temp.):** Mostly full, sunny, includes

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<td><strong>Neotoma albicula</strong></td>
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<td><em>Cheatedipus percillus</em></td>
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**Ecological Data**

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<td>W 108° 9' 36.7&quot;</td>
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<td>N 31° 51' 29&quot;</td>
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**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%
### Trapline Data Sheet

**Locality:** San Blas Mountains 7.5 Forest Rd  
**Biome:** Desert  
**Lat:** 33.7641  
**Long:** -107.2664  
**Elev:**  
**Date:** 7a-30 October 2010  
**Project/Collectors:** Mammology 2010  
**Notes (Moon; weather; temp.):** Clear; Sunny

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<tr>
<th><strong>Slope:</strong></th>
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**Captures:**

- *Neotoma albigula*  
- *Peromyscus boylii*  

**Ecological Data**

### Community Data

**Cover Classes**

- 0 = 0-9%  
- 1 = 10-19%  
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- 9 = 90-100%
### Trapline Data Sheet

**Locality:**

**Biome:**

**Lat:**

**Long:**

**Elev:**

**Date:**

**Project.Collectors:**

**Notes (Moon; weather, temp.):**

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<th>Height/Units</th>
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**Slope:**

**%**

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<th>NK Number</th>
<th>Species</th>
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**%**

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**Captures:**

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Field Journal

1. Road Log
   Coronado National Forest
     - head south 25 to Hatch Weston
       turn east on Geronimo Trail road
   Geronimo Trail: 0.0 mi Continue on road. At 7.1 mi turn onto Coronado National Forest Rd.
   At 8.2 mi camp ground, Southside of road. End Hidalgo Co.

2. Participant List
   Brooks Kohli BAK
   Christina Frank CMF
   Alexandra Hanse AWH
   Sara Pesko SMP
   David Draper DLD
   Camilla Padilla CEP
   Stephan Webb SRW
   C. Jonathan Schmitt CJS
   Kat Schroeder KMS
   Meredith Williams MNW
   Carrie Crabtree CAC
   Mario Valencia MMV
   Claire Steinberg CES
   Kayce Bell KCB
   Joseph A. Cook JAC
3. General Site Description
   - Off a dirt road near a small stream with mostly stagnant water.
   - There was a fair amount of oak trees and surrounding grass meadows.

4. Officially Designated Locality
   - New Mexico, Hidalgo Co.; Peloncillo Mountains
   - 31.51651°N, 108.78645°W
   - Elev. 1650 m

5. Weather
   - Mostly Clear
6. Trapline information

Name: SMP/MNW1

39 shermons 24th September 2010
40 shermons 25th-26th September 2010

Description:
There was a small stream that ran behind the trap line and got closer as the line ended. The trap line was along the road.
8. Number of Captures
25th September Morning
- 1 Neoëoba
- 1 Choetodipus
2 captures/30 traps = %

9. Species List
Spermophilus variegatus,
Choetodipus pencillatus,
Neo albicula, peromyscus boylii
Mephitis mephitis
Thomomys bolado
Choetodipus hispidus.
6. Trapline Information

SAP/MNW-2
16 snap, 20 shermans
25th-26th September 2010

Description: Meadow with few trees. Hit a large tree cluster and had to change directions. This direction change resulted in taking us into a more wooded area with dense vegetation.
8) Number of Captures = 0
9) Species List
Field Journal

Road Log
South on I-25 from WNM for 129 mi.
Take exit 115 and turn left heading E crossing I-25. After crossing I-25 take a right heading South on El Camino Real.
I-15 Highway 1. Continue on Highway 1 for 12 mi until taking a right on Forest Road 225. Camp is ~40 miles down Forest Road 225.
2) Participant List
Christi
Brooks Kholi
David Draper
Mathew Jones
Stephen Webb
Meredith Williams
Alexandra Hansell
Kat Schroeder
Toby Weisenhaus
Mario Valencia
Sophia Thompson
Shawn Lujan
Sara Pesko
Jason Thomas
Margerie
Kaye Bell
Camille Padilla
Joseph Cook
Robert Neffrissey

3) General Site Description
Desert area, little to no overstory with patchy grassed areas and shale beds. Soil was very sandy.
4) Official Designated Locality
New Mexico - San Mateo Mountains
33.71194° N 107.44861° W

5) Weather: Mostly clear, windy the first day. Cold at night.

6) Trapline Information
Name: SMP/sw1
70 Shermans 29th-30th October
16 Snap Traps 29th-30th October
Description: Along side of hill with steep slopes of shale shards. Dense vegetation towards the bottom slope off the side of a dirt road.
8) Number of Captures = 7
7/36 = 19 %
4) Neotoma albignula
3) Peromyscus boylii

9) Species List
Peromyscus boylii
Peromyscus maniculatus
Neotoma albignula
Peromyscus flavus
Orychomys arcticus
Dipodomys merriami
Dipodomys spectabilis
Chaetodipus pencillatus
Catalog

1. *Spermophilus beechorum* 380-165-58-20 NK 196127 +skel +tiss

2. *Neotoma mexicana* 315-145-36-29 138g NK195759 +skel +tiss

3. *Tamias quadrivittatus* 105-73-32-18 54g NK195771 +skel +tiss

4. *Neotoma albigula* 355-152-86-38 241g NK195898 +skel +tiss
New Mexico, Rio Arriba County, Rio de Las Pinos, lat: 35.9776 N  long: 106.1770 W
elev. 2551 m, 3 km W of San Miguel

collected 11 Sept. 2010 by Dr. Joe Cook's Mammalogy class, lower site

5 ♀ Microtus 176-57-22-12 = 45 g
    NK 195918 +skel+ t:55

6♂ Tamias quadrivittatus 223-103-32-22 = 49 g
    NK 195856

7 ♀ Sylvilagus audubonii 330-50-85-70 = 800
    NK 195925
Alaska: Flower Mtn. elev: 3119
lat: 59.38669 long: -136.31049
collected by JWS 16 Jul 2010

8 f M. oeconomus 142-20-39=47
NK196881

New Mexico: Rio Arriba Co., Rio de los Pinos
lat: 36.9576 N long: -106.1736 W
elev: 2551 m, 3 km W of San Miguel
collected Sept 11 2010 by Dr. Joe Cook's
Mammalogy class

9 0 f M. longicaudus 155-54-20-13=289
NK 137741

10 0 f M. erminea 290-80-37-11
NK 137776

Washington: Ferry Co.
collected winter 2003-2004 by Mike Maloney

New Mexico: San Mateo Mountains, Forest Rd
225; lat: 33°33.754 N long: 107°20.066 W
elev: 1896 m collected 30 Oct 2010 by
Joe Cook's Mammalogy class
<table>
<thead>
<tr>
<th>No.</th>
<th>Species</th>
<th>Weight</th>
<th>Location Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Neotoma albigula</td>
<td>150g</td>
<td>New Mexico: Carson National Forest, Rio de los Pinos, 3 km W of San Miguel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>lat: 36.9576 N, long: -106.9792, elev 2851 m</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>collected 11 sept 2010 by Joe Code's Mammology class</td>
</tr>
<tr>
<td>12</td>
<td>Neotoma mexicana</td>
<td>56g</td>
<td>New Mexico: Carson National Forest, Rio de los Pinos, 3 km W of San Miguel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>lat: 36.9576 N, long: -106.9792, elev 2851 m</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>collected 11 sept 2010 by Joe Code's Mammology class</td>
</tr>
</tbody>
</table>
Lat: 35.826666, Long: 106.174722, Elev: 2551
Date: 10-18 Sept 2010 Project/Collectors: Alexandra Horrell, Brook Kohli
Notes (Moon; weather; temp.):

Tranline No. 585 I

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
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</thead>
<tbody>
<tr>
<td>Overstory:</td>
<td>01 23456789</td>
<td></td>
</tr>
<tr>
<td>Understory:</td>
<td>01 23456789</td>
<td></td>
</tr>
<tr>
<td>Herbaceous:</td>
<td>01 23456789</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock:</td>
<td>01 23456789</td>
<td></td>
</tr>
<tr>
<td>Litter layer:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slope:</td>
<td>30%</td>
<td></td>
</tr>
</tbody>
</table>

Captures: 19

22 traps

(Shawn's)

boiled with
peanut butter

Z. Neotoma

17 Peromyscus

caught over 2
days. Checked
morning of 11th,
afternoon of 11th,
and morning of 12th.
All specimens were
found caught in the mornings.

Tranline No.

<table>
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<th>Dominant Plant Species</th>
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<tr>
<td>Understory:</td>
<td>01 23456789</td>
<td></td>
</tr>
<tr>
<td>Herbaceous:</td>
<td>01 23456789</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock:</td>
<td>01 23456789</td>
<td></td>
</tr>
<tr>
<td>Litter layer depth:</td>
<td>01 23456789</td>
<td></td>
</tr>
<tr>
<td>Slope:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Captures:

Trap #: NK Number Species Ecological Data

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%
Mammalogy Field trip #1: Rio Arriba County
September 10-12, 2010

ROAD LOG:
- I-25 North from Albuquerque
- exit 282 to NM-599 Santa Fe Bypass
- North of Española, turn right onto US-285 North
- continue to Antonito, Colorado
- turn left going west
- Hit dirt road @ 0.59 miles
- left on 443 @ 1.1 miles
- 4.7 miles on left: Jason Malone's trapline
- 4.8 miles: main camp site.
  Open area under trees along river

PARTICIPANTS:
Joe Cook (JAC)                   Vanessa Martinez (ULM)
Enrico Valdez (EDV)               Camille Padilla (CEP)
Brooks Kohli (BAK)                Mario Valencia (MV)
Kayce Bell (KCB)                  Jason Malone (JLM)
Christina Frank (CPF)             Larrie Crabtree (CAC)
Alexandria Hansell (AWH)          Toby Weisenhaus (TSW)
Matthew Jones (MEJ)               Ben Stanley (BDS)
David Draper (DLD)                Clare Steinberg (CES)
SITE DESCRIPTION:
Riparian area around Río de los Pinos, Río Abierto, NM
lat: 35.9376 N  long: 106.1770 W  elev: 2551 m

Wide rocky river, edged with ponderosa pine forest in canyon. Rabbit brush, junipers, blue spruce, Douglas fir, willow, alfalfa, rose, alder, ponderosa common. Beaver dam up river from most trap lines.
One slope of canyon very steep and covered with loose rock. Dirt road running along river. Signs of recreational use and cows in area.

WEATHER: T-shirt weather in afternoon, below freezing over night. No temperature data was taken. Sunny. Full moon.

SITE MAP:

[Hand-drawn map showing campsite, trail, and other features]
**SPECIES LIST:**

<table>
<thead>
<tr>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peromyscus maniculatus</td>
</tr>
<tr>
<td>Tamias quadrivittatus</td>
</tr>
<tr>
<td>Neotoma mexicana</td>
</tr>
<tr>
<td>Micropus pennsylvanicus</td>
</tr>
<tr>
<td>Micropus longicaudus</td>
</tr>
<tr>
<td>Spermophilus lateralis</td>
</tr>
<tr>
<td>Myotis velaris</td>
</tr>
<tr>
<td>Eptesicus fuscus</td>
</tr>
<tr>
<td>Lasiognathus noctivagus</td>
</tr>
</tbody>
</table>
**Trappine No. 4S - 84E1**

<table>
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<tr>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
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</thead>
<tbody>
<tr>
<td>Overstory:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td>Juncus, Gramineae, Muhlenbergia</td>
</tr>
<tr>
<td>Understory:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td>Quercus</td>
</tr>
<tr>
<td>Herbageous:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Litter layer:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Slope:</td>
<td>0 - 10 %</td>
<td></td>
</tr>
</tbody>
</table>

**Set**
- 10 - evening Sept. 24, left until morning of 26th

**Captures:**
- 0

**Species**
- Sherman

**Trappine No. 4S - 84E2**

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overstory:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td>Gramineae, oak, Masaguete</td>
</tr>
<tr>
<td>Understory:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td>Some woody</td>
</tr>
<tr>
<td>Herbageous:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td>morning of 27th</td>
</tr>
<tr>
<td>Litter layer depth:</td>
<td>0 1 2 3 4 5 6 7 8 9</td>
<td></td>
</tr>
<tr>
<td>Slope:</td>
<td>0 - 5 %</td>
<td></td>
</tr>
</tbody>
</table>

**Set**
- 10 - evening Sept. 25, left until morning of 27th

**Captures:**
- 2

**Species**
- Beneath scrub oak
- Under shrub

**Species Set**
- 21 Sherman, 19 Mammal, 8 specialists

**Trappine Classes**

- 0 = 0-4%, 1 = 5-19%, 2 = 20-29%, 3 = 30-39%, 4 = 40-49%, 5 = 50-59%, 6 = 60-69%, 7 = 70-79%, 8 = 80-89%, 9 = 90-100%
Mammalogy Field Trip #2: Peloncillo Mountain
September 24-26, 2010

**Directions:**
- I-25 South from Albuquerque for 292.8 km
- turn North on NM-265/State Road 543
towards hatch. Drive 208 km
- From Hatch, continue on NM-265 West/Hall Street for 74.4 km
- turn on US-180 E/N Gold Ave. Drive 1.96 km
to Deming
- In Deming, turn on I-10W. Drive 113.4191 km
- Turn on NM-338S. Drive 84.32 km
- turn on Co Road 40 east Geranoimo Trail.
  Drive 1.6 km
- camp site is on left side of road
  by river

**Participants:**
Meredith Williams (MNW)  Stephen Webb (3RW)
Brooks Kohli (BAK)  Jonathan Schmidt (TS)
Christina Frank (CMF)  Majorie Macdonald
Alexandra Hanwell (ANH)  Matthew Jones (MJJ)
Sara Peska (SMP)  Carrie Crabtree (CRC)
Davie Draper (DLD)  Mario Valencia (MV)
Theresa Martinez (UBM)  Joe Cook (JAC)
Kaylee Bell (KCB)  Sylvia Bruni
Camille Padilla (CEP)  John Johnson + family
Lydia Zeglis
Steve MacDonald
Clare Steinberg (CES)

SITE DESCRIPTION:
New Mexico: Hidalgo County, Polacello Mountains
lat: 31°3165N long: 103°98645W eluw: 1650m

Riparian area through desert scrubland area.
Forest along river, but land slopes gently up from river and tree density drops off quickly. Alligator juniper, grass, oaks, willow, greas, yucca, tall grasses, mesquite. Dirt road running along river. Signs of recreation use on area frequently patrolled by Border Patrol and National Guard. River small, narrow, and rocky.

WEATHER: Temperature not taken, but t-shirt weather during day and cool in the evening. Sunny, large moon.
SITE MAP:

- Road
- Camp site
- Forested
- Forested
- River
- Slope
- Scrub land
- Streamline
- Streamline 2
- Streamline 3

SPECIES LIST:

- Spermophilus variegatus
- Chuehodipus penicillatus
- Neotoma albicollis
- Peromyscus boylii
- Neotoma lepida
- Thomomys bottae
- Chuehodipus hispidus or boylii
**TRAPLINE DATA SHEET**

<table>
<thead>
<tr>
<th>Locality:</th>
<th>Biome: Shrubland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lat.:</td>
<td>Long.:</td>
</tr>
<tr>
<td>Date: 25 Sept 2010</td>
<td>Project/Collectors:</td>
</tr>
<tr>
<td>Notes (Moon; weather; temp.):</td>
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</table>

### Trapline No. CES-BAK1

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overstory</td>
<td>0123456789</td>
<td><em>Juncus, grasses, mesquite</em></td>
</tr>
<tr>
<td>Understory</td>
<td>0123456789</td>
<td><em>Yucca</em></td>
</tr>
<tr>
<td>Herbaceous</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Litter layer</td>
<td>0123456789</td>
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</tr>
</tbody>
</table>

- **Slope:** 20 %

### Trap No. 40

<table>
<thead>
<tr>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
</table>

### Trapline No. CES-2AC1

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overstory</td>
<td>0123456789</td>
<td><em>Grasses, cat-tail, mesquite</em></td>
</tr>
<tr>
<td>Understory</td>
<td>0123456789</td>
<td><em>Some Juniper</em></td>
</tr>
<tr>
<td>Herbaceous</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Litter layer depth</td>
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</table>

- **Slope:** 0-5 %

### Traps 20-28

<table>
<thead>
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<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
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</thead>
<tbody>
<tr>
<td>20-1</td>
<td>Shrub</td>
<td>Beneath shrub, oak, grassland</td>
</tr>
<tr>
<td>20-2</td>
<td>Shrub</td>
<td>Shrub</td>
</tr>
</tbody>
</table>

**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%
Brockes + Clare

9-24 8-7am

160 paces down road (South?) from camp above
-right side
-
every 10 paces

+ 2 traps/station = 40 total

Large moon
TRAPLINE DATA SHEET

Locality: 84km5, 56kmW Secorro Forest Rd 225
Biome: Chihuahuan desert grassland
Lat: 35° 54.1' N Long: 103° 30.44' W Elev: 1747m accuracy: 18 ft
Date: 30 October 2010 Project/Collector: S. S. Thompson
Notes (Moon, weather, temp): 4/4 moon, clear, hst (80°F) in day, 60°F (8°F) in night

<table>
<thead>
<tr>
<th>Trapline No.</th>
<th>1</th>
</tr>
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<tbody>
<tr>
<td>Cover Class</td>
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</tr>
<tr>
<td>Overstory</td>
<td>0123456789</td>
</tr>
<tr>
<td>Understory</td>
<td>0123456789</td>
</tr>
<tr>
<td>Herbaceous</td>
<td>0123456789</td>
</tr>
<tr>
<td>Bare soil/rock</td>
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<td>Litter layer</td>
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<tr>
<td>Slope</td>
<td>0%</td>
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<table>
<thead>
<tr>
<th>Height/Units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-4 m</td>
<td>Juniperus monosperma, Quercus spp.</td>
</tr>
<tr>
<td>0.5-1.5 m</td>
<td>Bouteloua gracilis, Eriogonum paradoxa</td>
</tr>
<tr>
<td></td>
<td>Erigeron triloba</td>
</tr>
<tr>
<td></td>
<td>Sandstone shale, coarse textured gravelly soil</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trap #</th>
<th>NK Number</th>
<th>Species</th>
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<tbody>
<tr>
<td></td>
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</tbody>
</table>

Captures:
- Peromyscus boylii (museum special) under J. monosperma
- 59 total:
  - 43 Sherman traps
  - 16 museum specials

---

TRAPLINE DATA SHEET

Locality: 84km5, 56kmW Secorro Forest Rd 225
Biome: Chihuahuan desert grassland
Lat: 35° 54.1' N Long: 103° 30.44' W Elev: 1747m accuracy: 18 ft
Date: 30 October 2010 Project/Collector: S. S. Thompson
Notes (Moon, weather, temp): 4/4 moon, clear, hst (80°F) in day, 60°F (8°F) in night

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<tr>
<td>Bare soil/rock</td>
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<tr>
<td>Litter layer depth</td>
<td>0123456789</td>
</tr>
<tr>
<td>Slope</td>
<td>%</td>
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<td>Erigeron triloba</td>
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<tr>
<td></td>
<td>Sandstone shale, coarse textured gravelly soil</td>
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</tbody>
</table>

<table>
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<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
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<td></td>
</tr>
<tr>
<td></td>
<td>Juniperus monosperma, Quercus spp.</td>
<td>3-4 m</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bouteloua gracilis, Eriogonum paradoxa</td>
<td>0.5-1.5 m</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Erigeron triloba</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sandstone shale, coarse textured gravelly soil</td>
<td></td>
</tr>
</tbody>
</table>

Captures:
- Neotoma albipalpis, Sherman, under F. paradoxa
- Peromyscus eremicus, Sherman, under J. monosperma, side of grass meadow
- Peromyscus boylii, Sherman, under J. monosperma, side of grass meadow
- 60 total:
  - 39 Sherman traps
  - 21 museum specials

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%
**TRAPLINE DATA SHEET**

**Locality:** NM Socorro Co, San Mateo Hills  
**Biome:** Socorro

**Lat:**  
**Long:**  
**Elev:**  
**Date:** 29 Oct - 31 Oct 2000  
**Project/Collectors:** Manuel Closs

**Notes (Moon; weather; temp.):**

<table>
<thead>
<tr>
<th>Trapline No.</th>
<th>JAC-BAKL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cover Class</strong></td>
<td><strong>Height/units</strong></td>
</tr>
<tr>
<td>Overstory: 0123456789</td>
<td></td>
</tr>
<tr>
<td>Understory: 0123456789</td>
<td></td>
</tr>
<tr>
<td>Herbaceous: 0123456789</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock: 0123456789</td>
<td></td>
</tr>
<tr>
<td>Litter layer: 0123456789</td>
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</tr>
<tr>
<td>Slope:</td>
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</table>

**Captures:** 14 total animals

<table>
<thead>
<tr>
<th>Trap #: NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Neotoma</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dipodamus merriami</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Onychomys torridus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dipodamus spectabilis</td>
<td></td>
</tr>
</tbody>
</table>

**Trapline No. | JAC-BAKL |
<table>
<thead>
<tr>
<th></th>
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<tr>
<td><strong>Cover Class</strong></td>
<td><strong>Height/units</strong></td>
</tr>
<tr>
<td>Overstory: 0123456789</td>
<td></td>
</tr>
<tr>
<td>Understory: 0123456789</td>
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</tr>
<tr>
<td>Herbaceous: 0123456789</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock: 0123456789</td>
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</tr>
<tr>
<td>Litter layer depth: 0123456789</td>
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</tr>
<tr>
<td>Slope:</td>
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</table>

**Captures:** 4 total animals

<table>
<thead>
<tr>
<th>Trap #: NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
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<tbody>
<tr>
<td></td>
<td>Thomomys</td>
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</tr>
<tr>
<td></td>
<td>Peromyscus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Neotoma</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dipodamus</td>
<td></td>
</tr>
</tbody>
</table>

**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%
E. Padilla
2010

U.S./California, San Luis Obispo, 4.8 km ESE of Creston; 35°55' Linguisit Lane, Lat/Lon 35°30'29" N, 120°28'11" W
5-27 August 2010

1. ♀ (Sears: ZB, 3L) Spermophilus beecheyi 390-195-54-269168
   Nk 196183 + skull + tissue

U.S./NM: Rio Arriba Co; Rio de los Pinos, 3 km W of San Miguel, Lat/Lon 35°95'16" N, 106°07'00" W, elev. 2881 m
11 September 2010

2. ♀ (10×4) Neotoma mexicana 301-148-32-26-173
   Nk 195752 + skull + tissue

3. ♀ (OSN) Tamias quadrivittatus 126-94-32-16586
   Nk 195770 + skull + tissue

U.S./NM: Hidalgo Co; Peloncillo Mts.; Clanton Creek
Lat/Lon. 31°51'20" N, 108°29'48" W, elev. 1655 m
25 September 2010

4. ♀ (open enlarged; lactating) Neotoma albicollis 350-138-31-26-313
   U.S./AK, Kasilof, Lat/Lon. 60°21'607" N, 151°15'923" W
11 October 2010

5. ♀ (1×20×5mm) Lepus americanus 430-80-139-87-1570
   Nk 195916 + skull + tissue
<table>
<thead>
<tr>
<th>No.</th>
<th>Location</th>
<th>Date</th>
<th>Species</th>
<th>Mass (g)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>US/NM, Rio de los Pinos, 1 km S, 5 km E of San Miguel</td>
<td>25 Oct 2010</td>
<td><em>Microtus pennsylvanicus</em></td>
<td>47.47 ± 13 ± 3.0</td>
<td>NK 195.9</td>
</tr>
<tr>
<td>2</td>
<td>US/NM, Socorro Co., San Marco Mtns, Forest Rd 225</td>
<td>8 Nov 2010</td>
<td><em>Dipodomys merriami</em></td>
<td>139.39 ± 11 ± 44</td>
<td>NK 195.9</td>
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<tr>
<td>3</td>
<td>US/WA, Ferry Co.</td>
<td>10 Nov 2010</td>
<td><em>Mustela erminea</em></td>
<td>300.90 ± 74.16 ± 111</td>
<td>NK 137.7</td>
</tr>
<tr>
<td>4</td>
<td>US/AK, Flower Mtns</td>
<td>11 Nov 2010</td>
<td><em>Microtus oeconomos</em></td>
<td>188.51 ± 19 ± 480</td>
<td>NK 19.68</td>
</tr>
<tr>
<td>5</td>
<td>US/NM, Socorro Co., San Marco Mtns, Forest Rd 225</td>
<td>8 Nov 2010</td>
<td><em>Dipodomys merriami</em></td>
<td>139.39 ± 11 ± 44</td>
<td>NK 195.9</td>
</tr>
<tr>
<td>6</td>
<td>US/NM, Socorro Co., San Marco Mtns, Forest Rd 225</td>
<td>8 Nov 2010</td>
<td><em>Dipodomys merriami</em></td>
<td>139.39 ± 11 ± 44</td>
<td>NK 195.9</td>
</tr>
<tr>
<td>7</td>
<td>US/NM, Socorro Co., San Marco Mtns, Forest Rd 225</td>
<td>8 Nov 2010</td>
<td><em>Dipodomys merriami</em></td>
<td>139.39 ± 11 ± 44</td>
<td>NK 195.9</td>
</tr>
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<td>8</td>
<td>US/NM, Socorro Co., San Marco Mtns, Forest Rd 225</td>
<td>8 Nov 2010</td>
<td><em>Dipodomys merriami</em></td>
<td>139.39 ± 11 ± 44</td>
<td>NK 195.9</td>
</tr>
<tr>
<td>9</td>
<td>US/NM, Socorro Co., San Marco Mtns, Forest Rd 225</td>
<td>8 Nov 2010</td>
<td><em>Dipodomys merriami</em></td>
<td>139.39 ± 11 ± 44</td>
<td>NK 195.9</td>
</tr>
<tr>
<td>No.</td>
<td>Collection Details</td>
<td>Species</td>
<td>Mammal Code</td>
<td>Weight (g)</td>
<td>Notes</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------------------------------------------------------</td>
<td>--------------------------</td>
<td>-------------</td>
<td>------------</td>
<td>-------</td>
</tr>
<tr>
<td>10</td>
<td>US/NM, Rio Arriba Co.; (US) Rio de los Pinos, 1 km S, 5 km E of San Miguel, Lat/lon. 36.9569N, 106.1009 W, elev. 2485 m. 15 November 2010</td>
<td>**♂ <em>(Ad, sectoral, 14x9)</em> Neotoma mexicana **</td>
<td>NK 195875</td>
<td>+ skull + tissue</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>364-140-33-30=283</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>US/NM, 54 km S, 36 km W of Socorro, Forrest Rd 225; Lat/lon. 33.54266 N, 107.28277 W, elev. 1746 m. 20 November 2010</td>
<td>**♀ <em>(L = 11x6mm)</em> Dipodomys spectabilis **</td>
<td>NK 195971</td>
<td>+ skull + tissue</td>
<td>118g</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>330-192-52-18=5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>US/NM; 54 km S, 36 km W of Socorro, Forrest Rd 225 Socorro Co., Lat/lon. 33.54203°N, 107.28273°W, elev. 1744 m. 20 November 2010</td>
<td>**♀ *(DSW, PSC (ZR 11)) Neotoma albigula **</td>
<td>NK 195970</td>
<td>+ tissue + skull</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>275-113-33-28=2443</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Field Trip 1

September 10, 2010

1. Road Log: Los Pinos River, New Mexico
   - Left UWM and got onto I-25N
   - Exit 282, 599 Santa Fe bypass
   - Merged onto US-285 N / US-84N
   - North of Española turned right onto US 285 N
   - Stayed on 285N until Antonito CO
     turned left going west
   - Hit dirt road at 0.59 mi
   - Left on 443 at 1.4 mi
   - At 4.7 miles Maloney's trapline
   - At 8.8 miles continue straight

2. Participant List:
   Christina Frank (CHP)  Toby Weisenhaus (TSW)
   Alexandra Hansell (AWH)  Ben Stanley (BDS)
   Matthew Jones (MRS)  Meredith Williams (MNW)
   David Draper (DD)  Kaylee Bell (KKB)
   Vanara Martinez (ULM)  Joe Cook (UA)
   Clare Steinkers (CES)  Camille Padilla (CEP)
   Mario Valencia (MU)  Ernie Valdez (EDV)
   Jason Mulaney (ULM)  (CJS)
   Carrie Crabtree (CAC)
   Brook Kohli (BAW)

3. General site description:

Los Pinos river is a riparian habitat. East of our campsite is a river that is about 15 to 20 feet wide. Now in September it is very green and the overstory by tree I'd estimate to be about 70%. The understory is not very dense; it looks about 3 inches high. Overstory looks to range
in height from 20 feet to 200 feet or more. The species that make up the overstory and understory are:
- Cottonwood - *Populus angustifolia*
- Willow - *genus Salix*
- Sedge - *family Cyperaceae*
- Blue Spruce - *Picea pungens*
- Dogwood - *Cornus sierrez*
- Juniper - *Juniperus scopulorum*
- Alnus incana, *rusc spp.*

4. Official Designated Locality
US/NM: Rio Arriba Co. Rio de los Pinos, 3 km W of San Miguel, Lat/Lon: 35.9576° N, -106.1770° W, elv. 2831m

5. Weather:
The weather was warm in the day (~70°F) and cooled off considerably at night (~40°F). The second night did not seem as cold. No temperatures were taken. The moon cycle was at 'new moon,' which gives off lots of light in the evening. This may have discouraged rodents from optimal nocturnal activity and used as a precaution to avoid nocturnal predators.

6. Trapline Info: (CEP/MV)
We set 80 Sherman traps along the edge of hill/mountain and also in more even terrain on top of hill. The overstory was mostly Juniper with some spruce and rabbit brush. Trees ranged from about
10 feet tall to 100 feet tall. The understory was made up of grass, leaves, and broken branches. Overtex was about 35% and understory was about 80%.

7. Sketch of Locality

- Topline
- Camp Ground
- Road
- River
- Bat hut 1
- Bat hut 2
<table>
<thead>
<tr>
<th>Date</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/11/10</td>
<td>Morning collection</td>
</tr>
<tr>
<td></td>
<td>11. <em>Peromyscus</em> <em>maniculatus</em></td>
</tr>
<tr>
<td></td>
<td>10. <em>Neotoma</em> <em>mexicana</em></td>
</tr>
<tr>
<td></td>
<td>2. <em>Tamias</em> <em>quadriovittatus</em></td>
</tr>
<tr>
<td>9/11/10</td>
<td>Evening Collection</td>
</tr>
<tr>
<td></td>
<td>2. <em>Peromyscus</em> <em>maniculatus</em></td>
</tr>
<tr>
<td></td>
<td>2. <em>Neotoma</em> <em>mexicana</em></td>
</tr>
<tr>
<td></td>
<td>1. <em>Tamias</em> <em>quadriovittatus</em></td>
</tr>
<tr>
<td>9/12/10</td>
<td>Morning Collection - Final Collection</td>
</tr>
<tr>
<td></td>
<td>2. <em>Spp.: Tamias</em> <em>quadriovittatus</em></td>
</tr>
<tr>
<td></td>
<td><em>Spermophilus</em> <em>lateralis</em></td>
</tr>
</tbody>
</table>
Road log: Coronado National Forest 9-24 to 26 - 2010

Head south on I-10 to Hatch. Go west on 10 and turn East on Geronimo trail road.

Geronimo trail 6.0 mi: Continue on road, at 7.0 mi turn onto Coronado National Forest road. At 8.2 mi Campground, South side of road. Located in Hidalgo County.

Participant List:
- Marjorie McConnell (MM)
- Brooke Kohli (BAW)
- Kat Schreder (KS)
- Joe Cade (AC)
- Christina Frank (CMF)
- Meredith Williams (MNW)
- Alex Hansell (AWH)
- Carrie Crabtree (AAC)
- Sara Pesko (SMU)
- Mario Valencia (MV)
- David Draper (DS)
- Clare Steinberg (CES)
- Camille Padilla (CEP)
- Kaylee Bell (KBG)
- Andrew Hope (AH)
- Stephen Webb (SRW)
- Jordan Jarrel (DJ)
- Lydz Zehn (LZ)
- Jon Dunmom (JD)
- Steve MacDonald (SM)
- Sylvia Brunner (SB)
- Robert Not Chissey (RN)

General site description:

Our camp ground is side of road has lots of over story ~ 80%. Their is a creek/river next to our camp and south of the river is a steep incline with rocks and is very grassy. North of the main street is much more grassy. The overstory is ~ 20%.

The height of overstory is about 50 ft. The understory goes from minimal ~ 30% to very dune ~ 60%. Species:

- Alligator juniper - Juniperus deppeana
- Wild grape - Vitis vinifera
- Oak - Quercus species
Species Continued...
Blue Grama Grass - Bouteloua gracilis
Yucca
Chaparral
Sunflowers - Helianthus annuus
Mesquite - Prosopis species
Sagebrush - Artemisia species

The habitat varied; oak woodland, mesquite grassland, grassland + sunflowers, and sagebrush grasslands.

4. Official designated locality
USA: New Mexico; Hidalgo County; Peloncillo Mountains, Clinton Creek; Lat/Lon: 31°51'00"N, 108°45'60"W, elev 1655 m

5. Weather: This area **has moderate** temperatures.

   We are near a river, so the area gets humid in the evenings. The moon was very full, and the night may have discouraged activity. During the day the sky does not have many clouds, full sunshine. Trapline 3 may have been unsuccessful due to heat during the day and full moon at night.

6. Trapline information: Trapline (CEP/MV Z)

   9/24/10
   Eruence trap line #1: 40 Sherman's, checked in am.

   Of 925 - C. sagax, Neomys albicauda and Peromyscus boylii
   and 38 left on line. We set 28 more Sherman's South of creek/river. And we set 20 Sherman and 20
   Snaptraps on North side of street. Over story won
   about 15 ft high to 50 feet, 80% (South of river), 20% (North of road). The understory of both areas was about 1 to 2 feet tall.
7. Sketch of Locality

8. Trap success
   Traplin 2 9/25 PM - Neotoma albicula, Peromyscus boylii

9. Group Species list
   - Otoxosperrma paikus variegatus
   - Chaetodipus punctatus
   - Neotoma albicula
   - Peromyscus boylii
   - Mephitis mephitis
   - Thomomys bottae
   - Chaetodipus hispidus (could possibly be boylii)
**TRAPLINE DATA SHEET**

**Locality:** NM: Rio Arriba Co; Rio de los Pinos, 3km W San Miguel, B: Riparian  
Lat: 36° 45'73" Long: 106° 17'70" Elev: 2255'  
Date: 1/1/20X2 Project/Collectors: Camila P, Mario V  
Notes (Moon; weather; temp.):  

<table>
<thead>
<tr>
<th>Trapline No.</th>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Overstory:</td>
<td>0123456789</td>
<td>Spruce, Juniper, Rabbit Brush</td>
</tr>
<tr>
<td></td>
<td>Understory:</td>
<td>0123456789</td>
<td>Arroyo Lucif, Cottonwood, Douglas Fir</td>
</tr>
<tr>
<td></td>
<td>Herbaceous:</td>
<td>0123456789</td>
<td>Torreana Pine, Whiske, Rose</td>
</tr>
<tr>
<td></td>
<td>Bare soil/rock:</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Litter layer:</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Slope:</td>
<td>00-30%</td>
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</tbody>
</table>

**Captures:**

<table>
<thead>
<tr>
<th>Trap #</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>145 752</td>
<td>Neotoma mexicana</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>146 770</td>
<td>Tamias quadrivittatus</td>
<td></td>
</tr>
</tbody>
</table>

**Total catch #s:**

- 13 Peromyscus maniculatus  
- 12 Neotoma mexicana  
- 4 Tamias quadrivittatus  

**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%
#1 True rocks
2 catches (same spot)

#2
6 catches

#3
2 catches 30% cover

#4
1 catch

#5

#6 Pine tree
1 trap

#7 Juniper cover
Both traps
- Trap in place

#8 Juniper
0 catches

#9
0 catches

#10 Juniper & Spruce
0 catches

#11 Juniper & Spruce, rockside
0 catches

#12 Next to rockside
0 cutches
\#13  Open, by rocky pathway  \#22 Small Juniper
  \# 1 catch  \# of catches
- \# trap in place  \#24  \#23 Juniper

\#14 Little cover by Juniper  \# trap in place
  + rocky area  \# of catches
  \# trap in place

\#15 Rockside, 45° side  + \# traps
  \#25 Pine tree; some cam (rocks)
  \# trap in place  \#26  \#25 Juniper
  \# of catches

\#16 Rockside Pine tree  \#27  \#26 Juniper
  \# of catches

\#20 Spice + rocks  \# trap in place
  \# of catches

\#21 Spice + pillows  \#25 Juniper
  \#27 Juniper
  \# of catches

\#24 Spice  \# of catches

\#28 Juniper
  \#28 Juniper
  \# of catches
  \# trap in place

\#50 Juniper; shade  \#30 Juniper
  \# of catches
  \# trap in place

\#51 Juniper + rocks  \#30 Juniper
  \# of catches
  \# trap in place

\#50 Juniper; shade  \#30 Juniper
  \# of catches
  \# trap in place

\#51 Juniper + rocks  \#31
  \# of catches
  \# trap in place
  \#30 Juniper
  \# catch rocks  \# of catches
Juniper 9/11/10

- #51 Juniper - #40 Side of rock/foliage
  - 2 catches
  - 1 catch
- #52 Juniper - 1 trap in place
  - 80 traps
  - 11 Deer mice
  - Peromyscus parviseus
- #53 Juniper - 2 chipmunks
  - 1 catch
  - 10 Packrat
  - Neotoma
- #39 Juniper - new moon
  - 1 trap in place
  - (Dear Mouse)

36
- #35 Juniper - Plants:
  - 1 catch
  - Narrow leaf cottonwood
  - Populus angustifolia
  - Oak
  - Quercus
- #36 Rabbit brush - Rocky mountain junipers
  - Conifers: blue spruce
  - 1 trap in place
  - Douglas fir
  - Willow salix (viperian)
- #38 (corn)
  - Alfalfa
  - Medicago album
- #39 Juniper + rock - Rosebushes
  - 1 catch
  - Juniper scopulorum
  - 1 trap in place
  - Alders
  - Alnus viridis (viperian)
- #28
  - Ponderosa pine

#50 Rock
- 0 catches
<table>
<thead>
<tr>
<th>Checking Traps</th>
<th>12 Sept. 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1 Pecan</td>
<td>3 Pie</td>
</tr>
<tr>
<td>#2 Ø</td>
<td>3 2 Ø</td>
</tr>
<tr>
<td>#3 Ø</td>
<td>3 3 Ø</td>
</tr>
<tr>
<td>#4 Ø</td>
<td>3 4 Ø</td>
</tr>
<tr>
<td>#5 catch chip</td>
<td>3 5 Ø</td>
</tr>
<tr>
<td>#6 1 ''</td>
<td>3 6 Ø</td>
</tr>
<tr>
<td>#7 Ø</td>
<td>4 3 7 Rabbit</td>
</tr>
<tr>
<td>#8 Ø</td>
<td>1 catch</td>
</tr>
<tr>
<td>#9 Ø</td>
<td>3 8 Ø</td>
</tr>
<tr>
<td>#10 Ø</td>
<td>3 9 catch</td>
</tr>
<tr>
<td>#11 Ø</td>
<td>4 0 catch</td>
</tr>
<tr>
<td>#12 Ø</td>
<td>8 0 traps</td>
</tr>
<tr>
<td>#13 Ø</td>
<td>1 chipmunk</td>
</tr>
<tr>
<td>#14 Ø</td>
<td>2 Nutria</td>
</tr>
<tr>
<td>#15 Ø</td>
<td>2 war mice</td>
</tr>
<tr>
<td>#16 Ø</td>
<td>7 8 traps</td>
</tr>
<tr>
<td>#17 Ø</td>
<td>mid afternoon</td>
</tr>
<tr>
<td>#18 Ø</td>
<td>9/10</td>
</tr>
<tr>
<td>#19 Ø</td>
<td>2 chipmunks</td>
</tr>
<tr>
<td>#20 Ø</td>
<td></td>
</tr>
<tr>
<td>#21 Ø</td>
<td></td>
</tr>
<tr>
<td>#22 Ø</td>
<td></td>
</tr>
<tr>
<td>#23 Ø</td>
<td></td>
</tr>
<tr>
<td>#24 Ø</td>
<td></td>
</tr>
<tr>
<td>#25 Ø</td>
<td></td>
</tr>
<tr>
<td>#26 Ø</td>
<td></td>
</tr>
<tr>
<td>#27 Ø</td>
<td></td>
</tr>
<tr>
<td>#28 Ø</td>
<td></td>
</tr>
<tr>
<td>#29 Ø</td>
<td></td>
</tr>
<tr>
<td>#30 Ø</td>
<td></td>
</tr>
</tbody>
</table>
**TRAPLINE DATA SHEET**

**Locality:** US/ NM: Hidalgo Co; Marcellino Hills; Chihuahua Casas; Riparian/Stream-graunds 0-100 ft. south of road

**Lat:** 31.8726°N 106.9853°W **Elev.** 1155 ft.

**Date:** 9/24/2010 **Project/Collectors:** Mammalogy Class Fall 2010

Notes (Moon; weather; temp.): Full moon; moderate to clear, but 1st in grandstand form mid in the evenings.

<table>
<thead>
<tr>
<th>Trapline No. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cover Class</strong></td>
</tr>
<tr>
<td>Overstory: 0123458789</td>
</tr>
<tr>
<td>Understory: 0123458789</td>
</tr>
<tr>
<td>Herbaceous: 0123456789</td>
</tr>
<tr>
<td>Bare soil/rock: 0123456789</td>
</tr>
<tr>
<td>Litter layer: 0123456789</td>
</tr>
<tr>
<td>Slope: 0=40</td>
</tr>
</tbody>
</table>

**Captures:**

<table>
<thead>
<tr>
<th>Trap #</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td></td>
<td>Neotoma albigula</td>
<td>near stream * rock</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Peromyscus boylii</td>
<td>grass, alligator juniper, * lots of sheeps*</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td></td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5-5 Sherman

<table>
<thead>
<tr>
<th>Trapline No. 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cover Class</strong></td>
</tr>
<tr>
<td>Overstory: 0123456789</td>
</tr>
<tr>
<td>Understory: 0123456789</td>
</tr>
<tr>
<td>Herbaceous: 0123456789</td>
</tr>
<tr>
<td>Bare soil/rock: 0123456789</td>
</tr>
<tr>
<td>Litter layer depth: 0123456789</td>
</tr>
<tr>
<td>Slope: 0=40</td>
</tr>
</tbody>
</table>

**Captures:**

<table>
<thead>
<tr>
<th>Trap #</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>* Peromyscus boylii*</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>20 Sherman</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>20 snap traps</td>
<td></td>
</tr>
</tbody>
</table>

**Total:** 1 * Peromyscus boylii*

**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%
<table>
<thead>
<tr>
<th>Trap #</th>
<th>Trap Success Check 1</th>
<th>Trap Success Check 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ø</td>
<td>Ø near camp</td>
</tr>
<tr>
<td>2</td>
<td>Ø</td>
<td>Ø</td>
</tr>
<tr>
<td>3</td>
<td>Ø</td>
<td>Ø</td>
</tr>
<tr>
<td>4</td>
<td>Ø</td>
<td>Ø</td>
</tr>
<tr>
<td>5</td>
<td>Ø</td>
<td>Ø next to stream: Pine,</td>
</tr>
<tr>
<td>6</td>
<td>Ø</td>
<td>Ø goma grama, wild grape</td>
</tr>
<tr>
<td>7</td>
<td>Ø</td>
<td>Ø</td>
</tr>
<tr>
<td>8</td>
<td>Ø</td>
<td>Ø</td>
</tr>
<tr>
<td>9</td>
<td>Ø</td>
<td>Ø</td>
</tr>
<tr>
<td>10</td>
<td>Ø</td>
<td>Ø</td>
</tr>
<tr>
<td>11</td>
<td>Ø</td>
<td>Ø</td>
</tr>
<tr>
<td>12</td>
<td>1</td>
<td>Ø alligator juniper</td>
</tr>
<tr>
<td>13</td>
<td>Ø</td>
<td>Ø</td>
</tr>
<tr>
<td>14</td>
<td>Ø</td>
<td>Ø</td>
</tr>
<tr>
<td>15</td>
<td>Ø</td>
<td>Ø lots of goma, trap by road</td>
</tr>
<tr>
<td>16</td>
<td>Ø</td>
<td>Ø by stream</td>
</tr>
<tr>
<td>17</td>
<td>Ø</td>
<td>Ø</td>
</tr>
<tr>
<td>18</td>
<td>Ø</td>
<td>Ø</td>
</tr>
<tr>
<td>19</td>
<td>1</td>
<td>Ø next to stream</td>
</tr>
<tr>
<td>20</td>
<td>Ø</td>
<td>Ø South of stream</td>
</tr>
</tbody>
</table>

9/25/10 AM Trap Success

*Neotoma albicula*

*Peromyscus boylii*

9/25/10 AM - We set 15 more trap stations (Shermans)
trap #15 21-35

9/26/10 AM - Final trap check = 3 catches
on traps 5, 9, and 21. Because we were
Collecting traplines and packing up camp.
I don't remember what species we caught or if we were even told.

**Trapline 3 - North of Road**

20 trap sites: 1 sherman + 1 snap trap per site

1 catch - snaptrap: *Peromyscus boylii*
<table>
<thead>
<tr>
<th>No.</th>
<th>Species</th>
<th>Location Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>209</td>
<td>Thomomys bottae</td>
<td>19.4 mi. South of Apache Creek on FR 94</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NK 196136 + skel + tissue</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NW - Rio Arriba Co., Rio de Los Pinos</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 km West of San Miguel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>35°55'36&quot;N, -106°17'30&quot;W, elev. 2551 m</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11 September 2010</td>
</tr>
<tr>
<td>213</td>
<td>Neotoma mexicana</td>
<td>298-135-32-22=150</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NK 195758 + skel + tissue</td>
</tr>
<tr>
<td>214</td>
<td>Tamias quadrivittatus</td>
<td>200-71-34-19=62</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NK 195774 + skel + tissue</td>
</tr>
<tr>
<td>215</td>
<td>Microtus pennsylvanicus</td>
<td>161-43-20-13=36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NK 195772 + skel + tissue</td>
</tr>
<tr>
<td>216</td>
<td>Neotoma mexicana</td>
<td>323-140-31-26=159g</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NK 195764 + skel + tissue</td>
</tr>
<tr>
<td>217</td>
<td>Neotoma mexicana</td>
<td>(250)-(70)-32-27=102</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AK: Kasilof</td>
</tr>
<tr>
<td></td>
<td></td>
<td>60°21'88&quot;N, 151°15'923&quot;W</td>
</tr>
<tr>
<td>219</td>
<td>Lepus americanus</td>
<td>325-25-141-78=120</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NK 195920 + skel + tissue</td>
</tr>
<tr>
<td>Number</td>
<td>Species</td>
<td>Latitude/Longitude</td>
</tr>
<tr>
<td>--------</td>
<td>--------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>220</td>
<td><em>Onychomys torridus</em></td>
<td>33° 54'14.4&quot;N, 107° 28'17.2&quot;W</td>
</tr>
<tr>
<td></td>
<td>NK 195933</td>
<td></td>
</tr>
<tr>
<td>221</td>
<td><em>Dipodomys merriami</em></td>
<td>33° 54'29.3&quot;N, 107° 28'31.9&quot;W</td>
</tr>
<tr>
<td></td>
<td>NK 195945</td>
<td></td>
</tr>
<tr>
<td>222</td>
<td><em>Dipodomys merriami</em></td>
<td>33° 54'29.3&quot;N, 107° 28'31.9&quot;W</td>
</tr>
<tr>
<td></td>
<td>NK 195946</td>
<td></td>
</tr>
<tr>
<td>223</td>
<td><em>Dipodomys spectabilis</em></td>
<td>33° 54'29.3&quot;N, 107° 28'31.9&quot;W</td>
</tr>
<tr>
<td></td>
<td>NK 195974</td>
<td></td>
</tr>
<tr>
<td></td>
<td>WA: Ferry Co.</td>
<td>Winter 2003-2004</td>
</tr>
<tr>
<td>224</td>
<td><em>Mustela erminea</em></td>
<td>33° 54'29.3&quot;N, 107° 28'31.9&quot;W</td>
</tr>
<tr>
<td></td>
<td>NK 137773</td>
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<tr>
<td>Trapline No.</td>
<td>Cover Class</td>
<td>Height/units</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>--------------</td>
</tr>
<tr>
<td></td>
<td>Overstory:</td>
<td>023456789</td>
</tr>
<tr>
<td></td>
<td>Understory:</td>
<td>0123456789</td>
</tr>
<tr>
<td></td>
<td>Herbaceous:</td>
<td>0123456789</td>
</tr>
<tr>
<td></td>
<td>Bare soil/rock:</td>
<td>0123456789</td>
</tr>
<tr>
<td></td>
<td>Litter layer:</td>
<td>0123456789</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trap #:</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Promyscus maniculatus</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trapline No.</th>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Overstory:</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Understory:</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Herbaceous:</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bare soil/rock:</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Litter layer:</td>
<td>0123456789</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Trap #:</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Neotoma mexicana</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tamias quadrivittatus</td>
<td></td>
</tr>
</tbody>
</table>

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%
Field Journal

Trip 1 10-12 September 2010

Road log:
From UNM go 91.5 km North on I-25, take US-84N/St. Francis Dr. for 1.44 km, then US-285N for 57.6 km around Santa Fe. Continue on US-285N for 118.56 km until turning West on Co. Rd. C. Continue for 2.1 km and turn South on Co. Rd. 12 and go 2.2 km. Turn South again on Co Rd. B for 1.8 km and finally West on Co. Rd 443.

Participant list:
Brooks Kohli BAK  Meredith Williams MNW
Christina Frank CMF  Vanessa Martinez VLM
Carrie Crabtree CAC  Kayce Bell KCB
Alex Hansell AWH  Clare Steinberg CES
Toby Weisenhaus TJW  Mario Valencia MGV
Ben Stanley BDS  Camille Padilla CAP
David Draper DLD  Jonathan Schmitt CJS
Matt Jones MRJ  Ernie Valdez EMV
Jason Malaney JLM  Joseph Cook JAC

General Site Description:
Camp surrounded by Populus angustifolia, Salix, Carix, Picea pungens, Rose, Cornus sericea, Juniperus scopulorum, & Alnus incana.
Site is about 50 meters from Rio de los Pinos in riparian zone. Overstory height is 20m & understory height is 2-3m.
<table>
<thead>
<tr>
<th>M.R. Jones</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
</tr>
</tbody>
</table>

**Field Journal**

**Trip 1** 10-12 September, 2010

**Officially designated locality:**

NM's: Rio Arriba Coj, Rio de Los Pinos; 3 km West of San Miguel

35.9576°N, 106.1770°W; elev: 2551m

**Weather:** clear skies during the day with temperatures up to 85°F. Clear skies during night, no wind, temperatures 35-40°F. Nearly new moon.

**Trapline information:**

- Name: MRJ1
- Other people on trapline: TJW
- Traps: 50 shermans set 10 September, 2010
- Description: Starts ~10m from Rio de Los Pinos in riparian habitat. Traps set along edge of *Populus* forest, crosses grassy field to rocky hill with occasional short scrub & juniper. Trapline continues at 20% grade along edge of cliff w/ increasing amounts of juniper and finally ponderosa at end of line. Overstory cover - 10% (20m), understory cover - (30%) (3m), herbaceous - 50% (.5m), bare rock/soil - 50%, litter layer - 40%, slope - 0-20%.
- Dominant species: *Populus angustifolia*, ponderosa pine, Rose, Rocky Mountain Juniper, Blue Spruce.
Tally:

Morning 11 September: 8 *Peromyscus maniculatus*

- Percent success: 22% (50 traps)

Evening 11 September: 3 *Tamias quadrivittatus*

- Percent success: 6.5% (46 traps)

Morning 12 September: 2 *Peromyscus maniculatus*

- Percent success: 6.0% (50 traps)

---

Maps:

- **---** = road
- **#** = bat net
- **p** = ponderosa
- **j** = juniper / scrub
- **o** = occasional

Field Journal

Trip 1, 10-12 September, 2010

M. R. Jones 2010

X Camp

Aspen

Grass field

Rio de los jíjíos
<table>
<thead>
<tr>
<th>M.R. Jones</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
</tr>
<tr>
<td><strong>Field Journal</strong></td>
</tr>
<tr>
<td><strong>Trip 1</strong> 10-12 September, 2010</td>
</tr>
<tr>
<td><strong>Species List:</strong></td>
</tr>
<tr>
<td><em>Cervus elaphus</em> (heard only)</td>
</tr>
<tr>
<td><em>Myotis volans</em></td>
</tr>
<tr>
<td><em>Eptesicus fuscus</em></td>
</tr>
<tr>
<td><em>Lasionycteris noctivagans</em></td>
</tr>
<tr>
<td><em>Spermophilus lateralis</em></td>
</tr>
<tr>
<td><em>Tamias quadrivittatus</em></td>
</tr>
<tr>
<td><em>Microtus pennsylvanicus</em></td>
</tr>
<tr>
<td><em>Microtus longicaudus</em></td>
</tr>
<tr>
<td><em>Neotoma mexicana</em></td>
</tr>
<tr>
<td><em>Peromyscus maniculatus</em></td>
</tr>
<tr>
<td><em>Canis latrans</em></td>
</tr>
</tbody>
</table>
### Trapline Data Sheet

**Locality:** NM: Itiligo Co: Peloncillo Mts.  
**Biome:** Woodland near stream  
**Lat:** 31.516358  
**Long:** -108.983315  
**Elev:** 1574m  
**Date:** 24-26 Sep. 2010  
**Project/Collectors:** Kat Schroeder, Matthew R. Jones  
**Notes:** (Moon; weather; temp.): nearly full moon, partial cloud cover, no precip, temperature 60°F

#### Trapline No. 1

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/Units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oversory</td>
<td>0123456789</td>
<td>Quercus sp. Juniperus deppeana, Grandma grass, Wild grape,</td>
</tr>
<tr>
<td>Understory</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Herbaceous</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock</td>
<td>0023456789</td>
<td></td>
</tr>
<tr>
<td>Litter layer</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Slope</td>
<td>0%</td>
<td></td>
</tr>
</tbody>
</table>

**Trap #:** NK Number  
20 sherwin 
Newman elbig

#### Trapline No. 2

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/Units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oversory</td>
<td>0123456789</td>
<td>Oak, Juniperus deppeana, Pinyon,</td>
</tr>
<tr>
<td>Understory</td>
<td>0123456789</td>
<td>Pine, juniper, Grandma grass,</td>
</tr>
<tr>
<td>Herbaceous</td>
<td>0123456789</td>
<td>Sporobolus</td>
</tr>
<tr>
<td>Bare soil/rock</td>
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<td></td>
</tr>
<tr>
<td>Litter layer depth</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Slope</td>
<td>5%</td>
<td></td>
</tr>
</tbody>
</table>

**Trap #:** NK Number  
23456

---

**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%
Trip 2  24-26 September, 2010

Road Log:
From UNM go South on I-25 for 292.8 km. Turn right onto NM-26 heading South toward Hatch for 2.08 km. In Hatch, turn right on NM-26 going West. Continue on NM-26 for 74.4 km. At US-180 turn left (going South) and continue for 1.96 km. In Deming take HWY 10 West for 113.44 km. Turn left onto NM-338 S and go 84.32 km. Turn right onto Co Rd 5001/Geronimo Trail and go 8.8 km. Continue on Co Rd 5002 for 1.6 km.

Participant List:
Joseph Cook JAC  Mario Valencia MGV
Brooks Kohli BAK  Clare Steinberg CES
Christina Frank CMF  Kaylee Bell KCB
Alex Hansell AWH  Sylvia Brunner
Sara Pesko SMD  Gordon Jarrel
David Draper DLD  Jon Dunnum
Camille Padilla CAP  Robert Notchissey
Stephan Webb SRW  Andrew Hope
Jonathan Schmitt CJS  Lydia Zefjian
Kat Schroeder KMS  Steve MacDonald
Meredith Williams MNW  Marjorie McConnell
Carrie Crabtree CAC  Matt Jones MRJ
Field Journal

Trip 2  24-26 September, 2010

General Site Description:
Site dominated by Alligator Juniper & Oak
- 15 m from rocky stream to the South.
Wild grape, Madron scrub, grama
grass & other grasses dominate ground
Overstory cover - 70%, understory cover-40%,
herbaceous- 60%, bare rock/soil- 40%.
Overstory height roughly 20m, understory
height roughly 2m.

Official designated locality:
NM: Peloncillo Mtns.
31.51663°N, 108.98533°W, elev. 1671m.

Weather: Partial cloud cover, no precipitation,
nearly full moon. Temperatures during
night -60°F, temperature during day -85°F

Trapline information:
Name: MRJ1
Others on trapline: KMS
Traps: 80 Shermans
Description: Starts 15m to East of camp
in grassy field & heads East into
mix juniper/oak woodland. Trapline
runs through heavy madron, grapevine,
& oak understory. Ground dominated
by grasses including grama grass.
Trapline runs 10-20m from stream.
Overstory - 80% (10m), understory - 50% (1m).
Trip 2  
24-26 September, 2010

herbaceous - 90%, bare rock/soil - 10%, litter layer - 40%, slope 0%.

Name: MRJ 2
Others on tranline: KMS
Traps: 20 Shermans, 20 Snap

Description: Tranline starts 5m South from stream near camp. Line goes through grassy oak near stream then up rocky cliff and reaches grassy slope dominated by Grama grass, Alligator juniper, Pinyon pine, Yucca, & sporovilis. The trap then makes a 'T' going East along the top of the cliff overlooking the stream, and to the West up-slope.

Overstory - 20% (5-10m), understory - 40% (1m), herbaceous - 40%, bare rock/soil - 60%, litter layer - 0%, slope: 5-15%.

Map:

--- = road
**** = bat net
... = tranline

--- = road

N

X = camp

river

ejuniper-oak

Cliff
Trip 2
MR32

River
Cliff
Oak
Gama, grass, yucca
Juniper

Tally:
Morning - 26 September, 2010: Neotoma albigula
- from MR31

Percent success: 1.3% (80 traps)

Species List:
Spalacopus variegatus
Chaetodipus penicillatus
Neotoma albigula
Peromyscus boylii
Mephitis mephitis
Thomomys bottae
Chaetodipus hispidus (or boylii)
<table>
<thead>
<tr>
<th>Trapline No.</th>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
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<tr>
<td></td>
<td>Overstory: 0123456789</td>
<td>0 m</td>
<td>Cholla cactus, yucca, cactus, mesquite, Ephedra sp., Blue grama grass</td>
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<td>Understory: 0123456789</td>
<td>2 m</td>
<td>mesquite, Ephedra sp., Blue grama grass</td>
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<td>Slope: O</td>
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**Captures:**

**Trap #70 Sherman**

- 30 Rat traps
- 10 Museum specimens

Species: *Dipodomys spectabilis* x 5, *Dipodomys merriami* x 3, *Onychomys torridus* x 2

**30 October**

**Trap #66 Sherman**

- 30 Rat traps
- 10 Museum specimens

Species: *Dipodomys merriami*, *Onychomys torridus*, *Neotoma albigula*

**31 October**

---

**Cover Classes**

- 0 = 0-5%
- 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%
Field Journal

Trip 3 29-31 October, 2010

Road log:
South on I-25 from UNM for 129 miles. Take Exit 115 and take a left, crossing I-25 and heading East. After crossing I-25 turn right on El Camino Real. IHC HWY 1. Continue for 12 miles and turn right on Forest Road 225. Camp is about 4 miles down the road.

Participant List:
Brooks Kohli BAK  Sophia’s Thompson SST
Dave Draper DLD  Shawn Whitman SBW
Matt Jones MRJ  Sara Pesco SMD
Stephen Webb SRW  Jonathan Schmitt CJS
Meredith Williams MNW  Jason Thomas
Alex Hansell AWH  Marjorie McConnell
Kat Schroeder KMS  Robert Nofelissey
Toby Weisenhaus TSW  Joseph Cook JAC
Mario Valencia MGM  Kaya Bell KCB

General Site Description:
Arid desert scrub dominated by mesquite, yucca, cholla, Populus sp., Alligator juniper, & grass. Overshrub 20% (5m), understory 20% (1m), herbaceous 70%, bare soil/rock 20%, litter 0%.
Trip 3  29-31 October, 2010

Official designated locality:
NM: Socorro Co.; FR 225
54 km S, 36 km W of Socorro
33.54258°N, 107.28252°W; elev. 1751m

Weather: mostly clear, occasional moderately strong breezes. Quarter moon at night; temperatures about 40°F. During the day temperatures were around 75°F.

Trapline information:
Name: M.R.J 1
Names of others on trapline: DLD, KCB
Traps: 70 Sherman; 30 rat, 10 museum specials
Description: Starts at 100 m North of camp about 15 mets from dirt road. Line runs through dry desert mesquite scrub & grassland. Traps frequently placed on K-rat mounds. Overstory: 10%, understory - 20% (2m) herbaceous - 70%, Bare soil/rock - 20%, litter layer - 0%, slope - 0%. Dominant species on trapline include Cholla cactus, Yucca cactus, mesquite, Ephedra sp., & Blue Grama grass.
Trip 3
29-31 October, 2010

Map:
- Populus sp. & Juniperus deppeana
- **:** Traps
- Road
- *dry, flat grassland* w/ cacti & mesquite
- Camp
- **Mesquite**

Tally:
**Morning 30 October**: Dipodomys spectabilis x 5
Dipodomys merriami x 3
Onychomys torridus x 2

Percent success: 91.1%

**Morning 31 October**: Dipodomys merriami
Onychomys torridus
Neotoma albigula

Percent success: 2.8%
M. R. Jones
2010
Field Journal

Trip 3
29-31 October, 2010

Species List:
Peromyscus boylii
Peromyscus oegan maniculatus
Peromyscus eremicus
Neotoma albigula
Perognathus flavus
Onychomys arenicola
Dipodomys merriami
Dipodomys spectabilis
Thomasomys bottae
Chaetodipus penicillatus
Sylvilagus auduboni
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<thead>
<tr>
<th>Date</th>
<th>Location Details</th>
<th>Species</th>
<th>Numbers</th>
<th>Weight (g)</th>
<th>Additional Information</th>
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</thead>
<tbody>
<tr>
<td>11 September 2010</td>
<td>N.M.: Rio Arriba Co.; Rio de los Pinos, 3 km W San Miguel: 35.9576°N, 106.1770°W; Elev. 2551 m</td>
<td><em>Neotoma mexicana</em></td>
<td>2</td>
<td>85</td>
<td>NK195-760 + skel, tissue</td>
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<td></td>
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<td><em>CEN Neotoma mexicana</em></td>
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<td>122</td>
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<td>Date</td>
<td>Specimen</td>
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<td></td>
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<td>-----------</td>
<td>----------------------------------------------</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>4 October 2010</td>
<td><em>Tamiops quadriovittatus</em> 223-95-32-20 = 639</td>
<td></td>
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<tr>
<td></td>
<td>NK 195879 + skel, tissue</td>
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<tr>
<td></td>
<td>Alma: kasitelj 60° 21' 880&quot; N; 151° 15' 42.3&quot; W</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>11 October 2010</td>
<td><em>Lepus americanus</em> 364-33-14279=1630</td>
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<tr>
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<td>NK 195917 + skel, tissue</td>
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<td></td>
<td>NM 6 Rio Arriba Co; Rio de los Pinos, 3 km W of</td>
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<tr>
<td></td>
<td>San Miguel, 35.9576° N; 106.1770° W; Elev. 2551 m</td>
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<tr>
<td>25 October 2010</td>
<td><em>Microtus longicaudus</em> 142-57-11-9 = 229</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>NK 195931 + skel, tissue</td>
<td></td>
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</table>
8  ♀ *Lepidopera albicauda* 384 - 148 - 31 - 32 = 181g
    NK 195931 + Skel, tissue

US: NM: Socorro Co; Forest Rd 225; 54 km S, 36 km W; 33.54144°N, 107.2872°W; Elev 1741 m

30 October 2010

9  ♀ *CSN Chlostodipus periquillatus* 157 - 586 - 21 - 7 - 12g
    NK 195956 + Skel, tissue

US: NM: Socorro Co; Forest Rd 225; 54 km S, 36 km W; 33.54258°N, 107.28252°W; Elev 1751 m

30 October 2010

10  ♀ *CSN Dipodomys merriami* 235 - 140 - 38 - 13 - 41g
    NK 195763 + Skel, tissue
Meredith Williams
2010

US: NM: Socorro Co.; Forest Rd 225; 54 km S; 86 km W;
33°54'30" N; 107°28'36" W; Elev: 1747 m

30 October 2010

11  ♀ Neotoma albigula  (228) - (51) - 39 - 30 - 172 g
NK 195975  + skel, tissue

US: NM: Socorro Co.; San Mateo Mtns; Forest Rd 225;
33°38'75" N; 107°02'06" W; Elev: 1875 m

8 November 2010

12  ♂ Neotoma albigula  270 - 15 - 32 - 30 = 75 g
NK 195983  + skel, tissue
**Field Journal**

1. **Road Log:** We drove 91.52 km on I-25 N from UNM campus, then took US-84 N/St. Francis Dr. for 1.44 km and US-285 N/US-84 W/S St. Francis Dr. for 57.6 km around Santa Fe. We took US-285 N/C Rd. 55 for 118.56 km and went west on C Rd. C for 208 km. We turned south on C Rd. B 12.5 for 2.24 km and south again on C Rd. B for 1.76 km. We turned west onto C Rd. 443.

2. **Participant List:**
   - Meredith Williams MNW
   - Brooks Kehl BK
   - Christina Frank CMF
   - Carrie Crabtree CD
   - Alexandra Hansell AWH
   - Toby Weisenhammer JW
   - Matthew E. Jones MEJ
   - Ben Stanley BDS
   - David Draper DLD
   - Vanessa Martinez VLM
   - Kayce Ball KCB
   - Clare Steinberg CES
   - C. Jonathan Schmidt CJS
   - Mario Valencia MV
   - Joseph A. Cook JAC
   - Jason L. Melaney JLM
   - Camille Padilla CP
   - Emile Valdez EWV
3. General site description: Ecoregion between riparian and dry east- and south-facing slope. Plants present:
- Populus angustifolia (4.5m-6m)
- Juniper (Juniperus scopulorum, 2-3m)
- Ponderosa (Pinus ponderosa), rose (2.5ft)
- Willow (Salix sp.), melilotus (30cm)
- Sedge (Carex), 40 percent cover.

4. Locality: NM; Rio Arriba Co.; Rio de los Pinos, 3 km W San Miguel;
   35.9576° N; 106.1770° W; Elev 2551 m

5. Weather: Clear weather. Temperature reached close to 80°F during the day but dropped to upper 50s at night.

6. Trapping Information:
   - Name of line: DLR/MNW-1
   - Name of partner: David Draper
   - Number and type of traps: 60 Sherman set up
   - Evening of 10 Sep for overnight, 42 left out during the day 11 Sep, 66 left out 11 Sep overnight
   - Description of traphline: Traphline hugged a rock face, climbing the rock face up to 20 feet, in some places, the other side of the traphline was bordered by a dirt
road. One site was set by a stream that was on the other side of the road. The tranline crossed through open areas with thick understory (sedge, rose), under thick overstory (cottonwood poplars, ponderosa, junipers), across large rocks covered in lichen, and smaller rocky areas with medium amounts of overstory and understory.
Map of the locality

- Site for 2 Sherman traps
- Creek
- Dirt road
8. Number of captures:

11 Sep morning: 26 total
- 16 *Peromyscus maniculatus*
- 7 *Neotoma mexicana*
- 3 *Tamias quadrivittatus*

*Trap success: 89%*

11 Sep afternoon: 1 total
- 1 *Spermophilus lateralpis*

*Trap success: 2%*

12 Sep morning: 5 total
- 3 *Neotoma mexicana*
- 1 *Tamias quadrivittatus*
- 1 *Microtus longicaudus*

9. Species list:

- *Peromyscus maniculatus*
- *Tamias quadrivittatus*
- *Neotoma mexicana*
- *Microtus pennsylvanicus*
- *Microtus longicaudus*
- *Spermophilus lateralpis*
- *Myotis volans*
- *Eptesicus fuscus*
- *Lasionycteris noctivagus*
Field Journal

1. Road Log:
   We took I-25 S from UNM campus for 272.8 km and then turned onto NM-265/State Ranch 548 toward Hatch for 2.08 km. In Hatch, we continued on NM-265/W Hall St. for 74.4 km until turning on US-180 E/W Gold Ave for 1.96 km to Deming. In Deming, we turned onto I-10 W for 113.44 km until turning onto NM-33: 5 for 84.32 km. We then turned onto Gold CO02/Geronimo Trail for 88.8 km and continued onto Gold CO02/Geronimo Trail for 1.6 km. Our camp was on the south side of the road.

2. Participant List:
   Meredith Williams MWW
   Brooks Kohli BDK
   Christina Frank CMF
   Alexandra Hansell AWH
   Sara Peske Sup
   David Draper DLD
   Camille Padilla CEP
   Stephen Webb SRW
   Jonathan Schmidt JS
   Kat Schroeder KMS
   Matt Jones MJS
   Carrie Crabtree CAC
   Mario Valencia MVA
   Claire Steinberg CES
   Kayce Bell KCB
   Joseph A. Cook JAC
   Sylvia Bruces
3. General Site Description:

SMPLMNW-1: The tranline runs west from camp along a dirt road bordering oak woodland. South of the oak woodland is a riparian zone that approaches the road at the west end of the tranline. North of the road is a grassland, 30% cover, with oak and juniper as overstory and yucca (3 ft tall) as understory.

SMPLMNW-2: The tranline runs south from a dirt road through grassland and then through oak woodland along a dry creek bed. Many parts were 0% cover, others were 20%, with oak and juniper (3 ft tall) as overstory and yucca (3 ft tall) as understory with Brodmania grasses (6 ft tall).
4. Locality:

NM: Hidalgo Co; Peloncillo Mountains; 31°51'61"N; 108°7'6.45"W; Elev. 1650 m

5. Weather:

Clear with a few clouds; Temperature ranged from 16°C to 28°C. Moderately humid.
Moon was just past full.

6. Trapping Information:

Name of line: SIM/MWW-1
Name of Partner: Sara Peske
Number and type of traps: 39 Sherman set up evening of Sep 24; overnight, 40 left out during the day Sep 25; 40 left out overnight Sep 25

Description of trappline: Trappline ran along the south edge of a dirt road in oak woodland. South of the woodland was a riparian zone that approached our trappline at the west end. On the north side of the road was grassland. Overstory was about 75-90 ft tall (juniper and oak), about 30% coverage. Understory was about 70% cover.
Name of line: SMP1/MNW-2

Name of partner: Sara Posta

Number a type of traps: 16 snap traps and 20 Shermans set out morning of Sep 25; 16 snap traps and 20 Shermans left out overnight Sep 25

Description of trapline: The trapline ran south from a dirt road through a grass land to an oak woodland and followed a dry creekbed. On the north side of the road was grassland also. Grassland area had no overstory (0% coverage) or understory. The Brushbox grasses was 6.5 in tall. Some yucca was present. In the oak woodland area, overstory was about 6.5 in tall (oak and juniper). Some understory was present about 10%.
7. Maps of the Locality

- Camp
- Stream
- Oak woodland
- Dirt road
- Grassland

X = 2 Sherman's

N →
8. Number of Captures:

SMP/MNW-1:

Sep 25 morning: 2 total

1 Neotoma albigula (trap 3)
1 Chaetopogus perotis (trap 1)

trap success: 5.13%

Sep 25 afternoon: 0 total

trap success: 0%

Sep 26 morning: 0 total

trap success: 0%

SMP/MNW-2:

Sep 25 afternoon: 0 total

trap success: 0%

Sep 26 morning: 0 total

trap success: 0%
9. Species List:

- Chaetodipus peculiaris
- Neotoma albigula
- Peromyscus boylii
- Peromyscus maniculatus
- Trenomyx megalops
- T. nativipes
- Chasmodius hispanus
- Leptodeirus pellucida
- L. oryzivorus
- L. sanctithomae
- L. sphenops
- L. venustus
- L. verrucosus
- L. wyomingensis
1. Road Log:
We traveled South on I-25 from UNM for 208 km. We exited at Exit 115 and crossed east over I-25. Then we turned onto South onto El Camino Real I-10 Highway 1 for 19 km. We turned right onto Forest Road 258 and traveled 6.5 km to camp.

2. Participant List:
Meredith Williams M.W.
Brooks Kohli B.K.
David Draper D.D.
Matt Jones M.J.
Stephen Webb S.W.
Alexandra Hansell A.H.
Kat Schroeder K.M.
Toby Weisenhaus T.J.
Mario Valencia M.V.
Sara Peska S.P.
Jonathan Schmidt J.S.
Kat Schroeder K.M.
Kaylee Bell K.B.
Joseph A. Cook J.A.
Ben Stanley B.S.
Jason Thomas
3. General Site Description:
The trapline was set in a desert grassland on the edge of the Chihuahua desert. Plant species: *Juniperus deppeana*, *Juniperus*, *ash*, *mesquite*, *oak*, *mistletoe*, *Bouteloua gracilis*. Overstory was 0%. Understory was 10%, about 0.25 m - 1 m. Litter layer was 10% and bare soil and rock was 20%. Herbaceous was 40%, about 0.25 m.
4. Locality:
USA: NM: Socorro Co; Forest Rd 225; 541 m S, 36 km W; 33°33.754' N; 107°20.064' W;
Elev: 1895 m

5. Weather: Weather was clear with few clouds. There was a slight breeze in the afternoon that quieted at dusk. A quarter moon rose at midnight. Temperatures ranged from a low of 22°C to around 24°C during the day.

6. Trapline Information:
Name of line: T3W1 M1N1
Name of partner: Toby Weissenhaus
Number and type of traps: 19 snap traps and 50 Sherman set out in the afternoon of Oct 29, left out overnight Oct 29, during the day Oct 30, overnight Oct 30, and collected morning of Oct 31.
Description of trapline: Trapline ran east from camp through desert grassland. To the south 10-20 m was a dry ravine. At trap site 19 the line turned north to avoid crossing another trapline that had turned north from the ravine. Trap sites 26 and 31 were around kangaroo rat burrows. There was no overstory on the trapline.
Understory was 70%, about 0.5-2 m, composed of Bouteloua gracilis, mesquite, oak, Juniperus deppeana, and Juniperus ashei.
7. Map of the locality:

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<thead>
<tr>
<th>Number</th>
<th>Symbol</th>
<th>Notes</th>
</tr>
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<tbody>
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<td>✯</td>
<td>3 Shermans</td>
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<td>2 Shermans, 2 nap traps</td>
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<td>19</td>
<td>✦</td>
<td>4 Shermans</td>
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</tbody>
</table>

* = 3 Shermans
x = 2 Shermans
= 1 srape trap
= 2 Shermans, 2 nap traps
= 4 Shermans

barbed wire fence
8. Number of captures:
   Oct 30 morning: 0 total
   trap success: 0%
   Oct 31 morning: 3 total

   \underline{2. \textit{Peregrinus flavus}} (trap site 2018)
   \underline{1. \textit{Dipodomys merriami}} (trap site 31)
   trap success: 4.85%

9. Species List:
   \textit{Peromyscus boylii}
   \textit{Peromyscus eremicus}
   \textit{Peromyscus maniculatus}
   \textit{Neotoma albigula}
   \textit{Peregrinus flavus}
   \textit{Chezodespus penicillatinus}
   \textit{Onychomys arenicola}
   \textit{Dipodomys merriami}
   \textit{Dipodomys spectabilis}
   \textit{Thomomys bottae}
   \textit{Sylvilagus audubonii}

10. Ancillary Information:
    An RV within hearing of camp ran its generator both nights from before dusk until
    about 10 PM Oct 29 and until about 7 PM Oct 30.
TRAPLINE DATA SHEET

Locality:  Malpais Arroyo C. 10 de las Americas, Baja, Mexico  
Lat: 33.957 N  Long: 106.170 W  Elev: 2551 m
Date:  10/30/2010  Project/Collectors:  David Draper, Meredith Williams
Notes (Moon, Weather, Temp):  Clear, almost full moon, temp 20-25°C

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<tr>
<th>Trapline No.</th>
<th>DLP/MNW-1</th>
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<td>Litter layer</td>
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<td>Slope (%)</td>
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<td>Dominant Plant Species</td>
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<tr>
<td>Peromyscus maniculatus</td>
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</tr>
<tr>
<td>N. mexicana</td>
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<tr>
<td>Tamias quadrivittatus</td>
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<td>Spermophilus lateralis</td>
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Captures:

<table>
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<tr>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Morning Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peromyscus maniculatus</td>
</tr>
<tr>
<td>N. mexicana</td>
</tr>
<tr>
<td>Tamias quadrivittatus</td>
</tr>
<tr>
<td>Spermophilus lateralis</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Afternoon Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spermophilus lateralis</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trapline No.</th>
<th>6/12/2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cover Class</td>
<td></td>
</tr>
<tr>
<td>Overstory</td>
<td>0123456789</td>
</tr>
<tr>
<td>Understory</td>
<td>0123456789</td>
</tr>
<tr>
<td>Herbaceous</td>
<td>0123456789</td>
</tr>
<tr>
<td>Bare soil/rock</td>
<td>0123456789</td>
</tr>
<tr>
<td>Litter layer</td>
<td>0123456789</td>
</tr>
<tr>
<td>Slope (%)</td>
<td></td>
</tr>
<tr>
<td>Dominant Plant Species</td>
<td></td>
</tr>
<tr>
<td>Tamias quadrivittatus</td>
<td></td>
</tr>
<tr>
<td>N. mexicana</td>
<td></td>
</tr>
</tbody>
</table>

Captures:

<table>
<thead>
<tr>
<th>Trap #: NK Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microtus longicaudus</td>
<td></td>
</tr>
<tr>
<td>N. mexicana</td>
<td></td>
</tr>
</tbody>
</table>

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%
**TRAPLINE DATA SHEET**

**Locality:** NM: Hidalgo Co: Polacca Mountain  
**Biome:** Salt marsh

**Lat:** 31.5654°N  
**Long:** 106.7468°W  
**Elev:** 1650 m

**Date:** 24-26 Sep 2000  
**Project/Collector:** Sara Peska & Meredith W., Williams

**Notes:** (Moon; weather; temp.): moon just past full, weather clear with a few clouds temp ranging from 50-70°F at night and 80-90°F during the day.

**Trapline No. SMP/MNW-1**

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/Units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overstory</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Understory</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Herbaceous</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Litter layer</td>
<td>0123456789</td>
<td></td>
</tr>
</tbody>
</table>

**Slope:** 20%

**Captures:**

<table>
<thead>
<tr>
<th>Trap #</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Same as SMP/MNW-1</td>
<td>in Sara Peska's notebook</td>
</tr>
</tbody>
</table>

**Trapline No. SMP/MNW-2**

<table>
<thead>
<tr>
<th>Cover Class</th>
<th>Height/Units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overstory</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Understory</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Herbaceous</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Bare soil/rock</td>
<td>0123456789</td>
<td></td>
</tr>
<tr>
<td>Litter layer depth</td>
<td>0123456789</td>
<td></td>
</tr>
</tbody>
</table>

**Slope:**%

**Captures:**

<table>
<thead>
<tr>
<th>Trap #</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Same as SMP/MNW-2</td>
<td>in Sara Peska's notebook</td>
</tr>
</tbody>
</table>

**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%
**TRAPLINE DATA SHEET**

Locality: US, NM: Socorro Co: Prer 2325, 54 km S, 36 km W Biome: Desert Grassland

Lat: 33°37′39″N Long: 101°20′48″W Elev: 1855 m

Date: 29-31 Oct 2010 Project/Collectors: Tobey Weiserhofer, Meredith Williams

Notes: (Moon; weather, temp): Quarter moon up at midnight; weather was clear with a few clouds; temp was from 50° to 54°.

---

| Trapline No. | 15       |

**Cover Class** | **Height/units** | **Dominant Plant Species** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Overstory</td>
<td>(0) 1 2 3 4 5 6 7 8 9</td>
<td>[0.3 m] <em>Juniper, Pinyon, Oak, Big sagebrush</em></td>
</tr>
<tr>
<td>Understory</td>
<td>(0) 1 2 3 4 5 6 7 8 9</td>
<td>[0.3 m] <em>Juniper, Pinyon, Oak, Big sagebrush</em></td>
</tr>
<tr>
<td>Herbaceous</td>
<td>(0) 1 2 3 4 5 6 7 8 9</td>
<td>[0.3 m] <em>Juniper, Pinyon, Oak, Big sagebrush</em></td>
</tr>
<tr>
<td>Bare soil/rock</td>
<td>(0) 1 2 3 4 5 6 7 8 9</td>
<td>[0.3 m] <em>Juniper, Pinyon, Oak, Big sagebrush</em></td>
</tr>
<tr>
<td>Litter layer</td>
<td>(0) 1 2 3 4 5 6 7 8 9</td>
<td>[0.3 m] <em>Juniper, Pinyon, Oak, Big sagebrush</em></td>
</tr>
<tr>
<td>Slope</td>
<td>(0) 1 2 3 4 5 6 7 8 9</td>
<td>[0.3 m] <em>Juniper, Pinyon, Oak, Big sagebrush</em></td>
</tr>
</tbody>
</table>

**Captures:**

<table>
<thead>
<tr>
<th>Trap #</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>1 2 3 4 5 6 7 8 9</td>
<td><em>Peromyscus Flavus</em></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>1 2 3 4 5 6 7 8 9</td>
<td><em>Peromyscus Flavus</em></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>1 2 3 4 5 6 7 8 9</td>
<td><em>Peromyscus marriani</em></td>
<td></td>
</tr>
</tbody>
</table>

---

| Trapline No. | 15       |

**Cover Class** | **Height/units** | **Dominant Plant Species** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
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<td>[0.3 m] <em>Juniper, Pinyon, Oak, Big sagebrush</em></td>
</tr>
<tr>
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<td>(0) 1 2 3 4 5 6 7 8 9</td>
<td>[0.3 m] <em>Juniper, Pinyon, Oak, Big sagebrush</em></td>
</tr>
<tr>
<td>Herbaceous</td>
<td>(0) 1 2 3 4 5 6 7 8 9</td>
<td>[0.3 m] <em>Juniper, Pinyon, Oak, Big sagebrush</em></td>
</tr>
<tr>
<td>Bare soil/rock</td>
<td>(0) 1 2 3 4 5 6 7 8 9</td>
<td>[0.3 m] <em>Juniper, Pinyon, Oak, Big sagebrush</em></td>
</tr>
<tr>
<td>Litter layer</td>
<td>(0) 1 2 3 4 5 6 7 8 9</td>
<td>[0.3 m] <em>Juniper, Pinyon, Oak, Big sagebrush</em></td>
</tr>
<tr>
<td>Slope</td>
<td>(0) 1 2 3 4 5 6 7 8 9</td>
<td>[0.3 m] <em>Juniper, Pinyon, Oak, Big sagebrush</em></td>
</tr>
</tbody>
</table>

**Captures:**

<table>
<thead>
<tr>
<th>Trap #</th>
<th>NK Number</th>
<th>Species</th>
<th>Ecological Data</th>
</tr>
</thead>
</table>

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**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%
<table>
<thead>
<tr>
<th>Catalog</th>
</tr>
</thead>
<tbody>
<tr>
<td>US: California; San Luis Obispo Co.; 48 km ESE of Creston; 36.55 Lingost Lane; 35°30'29&quot;N; 12°28'11&quot;W</td>
</tr>
<tr>
<td>27 August 2010</td>
</tr>
<tr>
<td>1</td>
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<tr>
<td></td>
</tr>
<tr>
<td>No.</td>
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<tr>
<td>1</td>
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<tr>
<td></td>
</tr>
<tr>
<td>2</td>
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<tr>
<td>3</td>
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<tr>
<td>4</td>
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<td>11</td>
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<td></td>
</tr>
<tr>
<td>12</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
**TRAPLINE DATA SHEET**

**Locality:** USA: NM: Rio Arriba Co: Rio de los Pinos, Biome: Pinyon-Juniper

**Lat:** 35.9252°N  **Long:** -106.2775°W  **Elev:** 2551m  **Biome:** Rocky Mountain

**Date:** 04-11-2010  **2nd Project/Collectors:** T.J.W., M.R.

**Notes:** Clear sky, 35°-40° F

<table>
<thead>
<tr>
<th>Trapline No.</th>
<th>Cover Class</th>
<th>Height/Units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
</table>

| Overstory: | 023456789 | 20 m | Aspens |
| Herbaceous: | 0123456789 | .5 m | Juniper/Blue Spruce |
| Bare soil/rock: | 0123456789 | | Mostly bare, soil+gravel |
| Litter layer: | 0123456789 | | |
| Slope: | 0 - 30% | | |

<table>
<thead>
<tr>
<th>Trap #:</th>
<th>NK Number</th>
<th>Species</th>
<th>Capture Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st CHK 9/11</td>
<td>8</td>
<td>Peromyscus maniculatus</td>
<td>Riparian, rocky, flat terrain</td>
</tr>
<tr>
<td>2nd CHK 9/11</td>
<td>3</td>
<td>Neotoma mexicana</td>
<td>Riparian, rocky, flat terrain</td>
</tr>
</tbody>
</table>

**Continued:**

<table>
<thead>
<tr>
<th>Trapline No.</th>
<th>Cover Class</th>
<th>Height/Units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
</table>

| Overstory: | 0123456789 | | |
| Herbaceous: | 0123456789 | | |
| Bare soil/rock: | 0123456789 | | |
| Litter layer depth: | 0123456789 | | |
| Slope: | | | |

<table>
<thead>
<tr>
<th>Trap #:</th>
<th>NK Number</th>
<th>Species</th>
<th>Capture Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHK 9/12</td>
<td>2</td>
<td>Peromyscus mexicanus</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Neotoma mexicana</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**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%
<table>
<thead>
<tr>
<th>No.</th>
<th>Task</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Road Trip - From Albuquerque, take I-25</td>
</tr>
<tr>
<td></td>
<td>North past Santa Fe onto Highway 285</td>
</tr>
<tr>
<td></td>
<td>Take Highway 285, then Highway 285 from</td>
</tr>
<tr>
<td></td>
<td>Santa Fe, north toward the Colorado</td>
</tr>
<tr>
<td></td>
<td>Pass. Take a left on &quot;KKC&quot; to fellow</td>
</tr>
<tr>
<td></td>
<td>&quot;KAC&quot; and follow several miles (~10 mi)</td>
</tr>
<tr>
<td>2</td>
<td>Participant List:</td>
</tr>
<tr>
<td></td>
<td>Meredith Williams, MMU</td>
</tr>
<tr>
<td></td>
<td>Brooks Kohli, BAK</td>
</tr>
<tr>
<td></td>
<td>Christina Frank, CMF</td>
</tr>
<tr>
<td></td>
<td>Carrie Bailey, CAC</td>
</tr>
<tr>
<td></td>
<td>Aleksandra Hanel, AUH</td>
</tr>
<tr>
<td></td>
<td>Amy Heinsch, TSW</td>
</tr>
<tr>
<td></td>
<td>Matthew R. Jones, MRJ</td>
</tr>
<tr>
<td></td>
<td>Ben Steen, BDS</td>
</tr>
<tr>
<td></td>
<td>David D'Observatore, DLO</td>
</tr>
<tr>
<td></td>
<td>Zsuzsa Martiny, VLM</td>
</tr>
<tr>
<td></td>
<td>Kayce Bell, KCB</td>
</tr>
<tr>
<td></td>
<td>Clare Stenbring, CES</td>
</tr>
<tr>
<td></td>
<td>C. Jonathan Sibili, CSS</td>
</tr>
<tr>
<td></td>
<td>Mario Zelenin, MV</td>
</tr>
<tr>
<td></td>
<td>Joseph A. Cook</td>
</tr>
<tr>
<td></td>
<td>Susan L. Meligy, SLM</td>
</tr>
<tr>
<td></td>
<td>Corinne Paskala, CP</td>
</tr>
<tr>
<td></td>
<td>Ernie Valdez</td>
</tr>
</tbody>
</table>
9/12 check - 3 caught / 50 traps
9/11
8. 11 caught / 50 traps = ~ 20%

9. Species list:
- Peromyscus maniculatus
- Neotoma mexicana
- Tamias quadrivittatus
- Lasionycteris noctivagans
- Eptesicus fuscus
- Myotis volans
- Spermophilus lateralis

10. Additional Info
- Trees & plants seen
  - Cottonwood - *Populus angustifolia*
  - Juniper
  - Rose
  - Willow
  - *Melilotis*
  - Sedge
TRAPLINE DATA SHEET

Locality: USA: NM, Socorro, 5 km S, Biome: 
Lat: Long: Elev: 
Date: 29 October - 31 October, Project/Collectors: 
Notes (Moon; weather; temp.): 

<table>
<thead>
<tr>
<th>Trapping No.</th>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Overstory:</td>
<td>0 1 2 3 4 5 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Understory:</td>
<td>0 1 2 3 4 5 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Herbaceous:</td>
<td>0 1 2 3 4 5 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bare soil/rock:</td>
<td>0 1 2 3 4 5 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Litter layer:</td>
<td>0 1 2 3 4 5 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Slope:</td>
<td>0 1 2 3 4 5 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>%</td>
<td>0 1 2 3 4 5 6</td>
<td></td>
</tr>
</tbody>
</table>

Captures:

Trapping data sheet same as Morel, Williams

<table>
<thead>
<tr>
<th>Trapping No.</th>
<th>Cover Class</th>
<th>Height/units</th>
<th>Dominant Plant Species</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>0 1 2 3 4 5 6</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Litter layer depth:</td>
<td>0 1 2 3 4 5 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Slope:</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>%</td>
<td>0 1 2 3 4 5 6</td>
<td></td>
</tr>
</tbody>
</table>

Captures:

Ecological Data

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%
Trip 3

1. Road log - South on I-25 from USA for 129 miles, Take Exit 115, 3 turn left (heading East), cross over I-25. After crossing highway take right (heading south) on El Camino Real, IHC Highway 1, Continue on Highway 1 for 18 miles until take right on Forest Rd. 225. Camp is ~4 miles down Forest Rd. 225.

2. Participant List -
   - Meredith Zillione  MNN
   - Brooks Kuhle  BAK
   - David Draper  DLD
   - Matt Jones  MLJ
   - Stephen Wells  SRW
   - Alexandra Herrell  AHJ8
   - Kate Schraeder  KMS
   - Mario Zalencia  MVA
   - Toby Heidenhans  T5W
   - Sara Pesko  SMP
   - Jonathan Schmidt  CJS
   - Kaytie Bell  KLB
   - Joseph A. Cook  CJS
   - Ben Stanley  BDS
   - Jason Thomas
   - Marjorie McConnell
   - Sophia Thompson  SST
   - Shawn Whitman  SBE
   - Robert Nakatsuy
2) General site description: The site was a very dry desert habitat indicative of the fact that it is in the Chihuahuan Desert. Little if any tree cover present with mostly shrubbery juniper & mesquite present in large numbers. Signs of encroaching seen throughout the site.

4) Locality: U.S.A. NM, Socorro Co, Forest Rd 225; 14 km S, 3.6 km W

5) Weather: Weather was very dry with few clouds present. Average highs were in the 70°F & the lows were in the upper 30's°F & 40's°F.

6) Desc. of Traphline - Traphline ran east from camp through desert grassland. To the south 10-20m was a dry ravine. At top of 10 the line turned North to avoid crossing another traphline. Trap 26 & 31 were armed Kongers not human. There was no presence present in the Traphline.
trapline information

6 cont. None of line: TW/4MW-1

Porter: Meredith Collins

Number & type of traps: 19 snap traps & 50 Sherman live traps set on

Afternoon of Oct. 29, during the day of Oct. 30 they were checked & they were collected on the morning of 31 Oct.

(< 7) Prep

8. Oct 30 morning: 3 total 0% success

Oct 31 morning: 2 Peromyscus flavus 231

1 Dipodomys merriami 21

Temp. 4.35°C

9. Species list:

- Peromyscus leucopus
- Peromyscus maniculatus
- Neotoma albigula
- Peromyscus flavus
- Onychomys cranius
- Dipodomys merriami
- Dipodomys spectabilis
- Thomomys bottae
- Chaetodipus penicillatus
- Sylvilagus audoboni
Additional info -

Despite our trapline not being very successful, the trip as a whole was very successful. We caught most of the mammal diversity of the particular area that we visited.

I generated significant data regarding the condition of the existing populations.
<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Species</th>
<th>Number</th>
<th>Greene Ref</th>
<th>Notes</th>
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<tbody>
<tr>
<td>2010</td>
<td>New Mexico, Toas County, Toas</td>
<td><em>Sciurus aberti</em></td>
<td>330-160-60-54=154g</td>
<td>NK 196139</td>
<td>Skeleton + Tissue</td>
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<tr>
<td></td>
<td>1025 Salazar Rd. 5 May 2006</td>
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<td></td>
<td>N.M. Rio Arriba CO. Rio de los Pinos, Sept. 11 2010</td>
<td><em>Neotoma mexicana</em> 318-143-82-29=158g</td>
<td>NK 195751</td>
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<td></td>
<td>3 km W San Miguel</td>
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<td></td>
<td>35.9576°N 106.1790°W elev. 2551 M</td>
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<td>Sept. 13 2010</td>
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<td></td>
<td><em>Tamiops quadrivittatus</em> 225-92-38-17=59g</td>
<td>NK 195776</td>
<td>Skeleton + Tissue</td>
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<td>USA, N.M., Hidalgo Co., Palencho Mtns. Sept. 24, 2010</td>
<td><em>Chaetodipus penicillatus</em> 179-99-22-8=14g</td>
<td>NK 195897</td>
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<td>Cline Creek Lat: 31.51627°N long: 108.98671°W</td>
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<td>Sept. 26, 2010</td>
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<tr>
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<td><em>Microtus longicaudus</em> 187-68-20-14=40g</td>
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<td>Species</td>
<td>Sex</td>
<td>Mass</td>
<td>Locality</td>
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<tr>
<td>7</td>
<td>Microtus pennsylvanicus</td>
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<td>120-310</td>
<td>USA, N.M., Socorro Co., San Mateo Mts., 54Km S.</td>
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<tr>
<td>8</td>
<td>Procyon lotor</td>
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<td>165-220</td>
<td>36 km W of Socorro, Lat: 33.5444 N, Long: 107.7812 W</td>
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<tr>
<td>9</td>
<td>Dipodomys merriami</td>
<td>♀</td>
<td>203-107-39-11</td>
<td>Forest Road 225, ele: 1747m</td>
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<tr>
<td>10</td>
<td>Dipodomys merriami</td>
<td>♂</td>
<td>255-154-39-12</td>
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<td>11</td>
<td>Dipodomys spectabilis</td>
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<td>12</td>
<td>Thryonomys bottae</td>
<td>♀</td>
<td>210-60-26-6</td>
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<tr>
<td>13</td>
<td>Blarina brevicauda</td>
<td>♀</td>
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</tbody>
</table>
Field Journal

Road Log: Los Pinos River, New Mexico
Sept. 10, 2010 to Sept. 12, 2010

UNM campus to I-25 North, exit 282, 599
Santa Fe bypass merged onto US-285 N/US-84 N
North at Española turned right onto US 285 N
Stayed on 285 N until Antonio Canyon turned
Left going west. Sat dirt road at 0.59 miles
Left on 443 at 1.4 miles, Malaney's (triple at 4.7
miles, camp grown at 8.8 miles.

Participants
- Christina Frank CAF
- Alexandria Hansen AWH
- Matthew Jones MRJ
- David Draper DLD
- Vanessa Martinez VLM
- Clare Steinberg CES
- Mario Valencia MVU
- Jason Malaney JLM
- Cecie Crabtree CAC
- Brooke Kohli BAK
- Toby Weisenhouss TJW
- Ben Stanley BDS
- Meredith Williams MW
- Kacie Bell UCB
- Joe Cocek JAC
- Camille Padilla CEP
- Ernie Valdez EMV
Camp site:
Riparian with narrow leaf cottonwood, oak, rocky Mountain Juniper, Cedar, Blue spruce, Douglas fir, willow sallow, alfalfa, rosehips, ponderosa pine. Overstory 50-39 percent, understory 20-29 percent, herbaceous 20-25 percent, bare soil/rock 52-59 percent, little over 10-15 percent. Location was between a hill and a river. Weather was cold late night and early morning and warm to hot in the afternoon. New moon, clear skies, no rain, no snow. Beautiful days.

USA New Mexico; Rio Arriba County; Rio de los Pinos, 5km W. of San Miguel. Lat: 35.9536
Long: -106.1770 elevation 2851 meters.

Trapline name 1 CEP/MVA.
80 Shermans, ascending rocky hill, under blue spruce, rocky mountain juniper. Reached the top and continue to the side of hill. Morning was shaded, evenings was warm exposed to minimal light.
Sept. 10, 2010  60 Sherman traps were set

Sept. 11, 2010  morning

2  2/80 = 28.8%  Neotoma mexicana

2 Peromyscus manipulatus

10 Neotoma mexicana

2 Tamaua quadriovittatus

Afternoon

2 Tamaua quadriovittatus

2/80 = 2.5%

Sept. 12, 2010  morning

2 Peromyscus manipulatus

2 Neotoma mexicana

4/78 = 5.1%

Species:
Neotoma mexicana
Peromyscus manipulatus
Tamaua quadriovittatus

Plants:
Narrow leaf cottonwood
Oak
Rocky mountain juniper
Blue spruce
Douglas fir
Willow
Arbella
Ponderosa pine
Rosehips
Field Journal

Road log: Coronado National Forest, Peloncillo Mountain, New Mexico
Sept. 24, 2010 to Sept. 26, 2010

UNM campus take I-25 South exit onto Hatch, take road to Deming, I-10 West, exit 11 onto Animas road, head South, turn east onto Geronimo trail road. Geronimo trail 0.0 mi. continue on road at 7.0 mi. road becomes Coronado National Forest road. At 8.2 mi. campground is located, just to the south side of road.

Participant list
Brooke Kohl: BAK
Alexandra Hansell AWU
Christina Frank CME
Sarah Peikko SMO
David Draper DLO
Camille Padilla CEP
Pat Williams
Pat Schroeder
Meredith Williams MNW
Carrie Crabtree CAC
Mato Valencia MUA
Clare Steinberg CES
Ryce Bell UCB
Joe Cochr JAC
Sylvia Brunner
Gordon J
Jon Dunn
Robert Notchissey
Stephan Webb
Gordon Jarvel
Andrew Hope
Lydia Zelin
Steve McDonald
Margorie McDonald

Camp Site:

Woodland with Alligator juniper, Grandica, grass, mesquites, wild grape, Chaparral, Over-story 50-59%, Under-story 40-49%, Herbaceous 20-29%, Bare soil/rock 50-39%, Litter layer 10-19%.

With a slope of 0-5%, Camp was between a somewhat dried up stream and the road.

Weather was warm in the mornings, hot in the afternoon and cool at night. Full moon & moonlight, clear skies.

U.S. New Mexico, Hidalgo County, Peloncillo Mts.

Traphine by CEP/MAA

Traphine was done along the stream westbound from camp. High percentage of overstory and understory, with some herbaceous, little to no litter and some exposed soil and rocks.

40 Sherman's set up, then 40 Sherman's were added.
Trapping 1 CEP/MVA Cont.

The following morning, the added shermans were set up across the stream, heading back to camp (east).

Trapping 2 CEP/MVA
18 snap traps were set up in a somewhat linear path north bound of the road, east were the first 40 shermans ended (south side of road).

Sept. 24, 2010 Night
Arrived, set up 40 shermans

Sept. 25, 2010 Morning
Caught Westerna
added 46 shermans to trapline
added 2 trapline 18 snap traps

Sept. 26, 2010 Morning
Collected traps
Caught pocket mouse P. boylii

N 31° 30.944'   E 164° 16.42'
W 108° 59.266
Vegetation:
- Alligator Juniper
- Graminae grass
- Oak
- Wild grape
- Chaparral

Species:
- Spermophilus variegatus
- Choetodipus parvillus
- Neotamias latidens, paroboylli
- Mephitis mephitis
- Thryomys bottae
- Chaetodipus hispidus
2010
Field Journal
Road Log: San Mateo Mountains, Serrano Co., New Mexico.

UNM campus, take I-25 South, Par 129 miles
Exit 115 and turn left (cross over I-25). On 51
Camino Real 14C Highway 1. Continue on
highway for 12 miles, take right on Forest road
225. Camp is about 4 miles from the beginning
of 225 Forest road. Camp is located to the left
hand side.

Participants
Brooke Kohli (BAK)
David Draper (OLD)
Mathew Jones (MRJ)
Stephen Webb
Meredith Williams (MNW)
Alexandra Haneu (AWH)
Kat Schroeder
Toby Weidenhaus (TJW)
Maria Valeneta (MVA)
Sophia Thompson
Shaun Wit
Sarah Peiko (SMO)
Jason Thomas
Marjorie
Robert Watchissey
Joe Cook JAC
Camp Site:
The area is dry, with some vegetation. Dillinger juniper, oat, blue gamma grass. Mornings were cold, day was hot; night was cold, clear skies, with no rain or snow. Moon was out 3/4 to full. Area was mostly bare soil/rock and herbaceous.

USA New Mexico, Socorro County, San Mateo Mountains
54 Km S, 36 Km W of Socorro, Lat.: 33° 54' 14" N.
Long: 107° 20' 12" W, Forest Road 225 Elen 1747m

Trap line: 9 SBW/JWA

80 Sherman's were set up, south bound from camp. Began setting up traps at base of mountain, went up then along some large rocks, then came back down, like a rounded M pattern.
Oct. 29, 2010  Evening
set up 80 Sherman traps alongside
along a rocky slope

Oct. 30, 2010  Morning
checked traps collected

trap 8  Chaetodipus  4/80 = 5%
trap 12  Peromyscus
trap 20  Neotoma
trap 22  Neotoma
Prepped specimens.

Oct. 31, 2010
collected traps  3/80 = 3.75%

trap 2  Peromyscus
trap 7  Peromyscus
trap 28  Peromyscus

Vegetation:
Juniper, alligator, blue grama, grass,

Species:
Peromyscus boylii  C. penicillatus
P. maniculatus
N. albicilla
P. flavus
O. arenicola
D. merriami
D. spectabilis
**TRAPLINE DATA SHEET**

Locality: N. M. Rio Arriba Co; Rio de los Pinos, 2Km W.  
Biome: Riparian  
Lat: 36°45'57" N  Long: 106°13'30" W  Elev: 2551  
Sen. Miguel  
Date: 9/10/2010 - 9/12/2010  
Project/Collectors: Cami/Rep. Marto V  

Notes (Moon; weather; temp.):  

<table>
<thead>
<tr>
<th>Overstory:</th>
<th>0123456789</th>
<th>Height/units</th>
<th>Cover Class</th>
<th>Dominant Plant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understory:</td>
<td>0123456789</td>
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<td></td>
<td>Spruce, Juniper, Rabbit brush, Narrow leaf cottonwood, Douglas fir,ponderosa pine, willow, rose</td>
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<tr>
<td>Herbaceous:</td>
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<tr>
<td>Bare soil/rock:</td>
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<tr>
<td>Litter layer:</td>
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<tr>
<td>Slope:</td>
<td>0-50%</td>
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</tr>
</tbody>
</table>

**Trap No. 2 CEP M.R.A.**

Captures:

Total Catch #5/15  
13 Peromyscus maniculatus  
12 Neotoma mexicana  
4 Tantas quadrivittatus

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%
**Locality:** U.S.: NM, Hidalgo Co, Peloncillo Mountains  
**Biome:** woodland  
**Lat:** 31°52'41"N  
**Long:** 105°31'41"W  
**Elev:** 1050M  
**Date:** 9/24/2010 - 9/26/2010  
**Notes (Moon; weather; temp.):** Full moon, warm clear day, cool night

<table>
<thead>
<tr>
<th>Trapline No.</th>
<th>5</th>
<th>CEP WVA</th>
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<tbody>
<tr>
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<td>Height/units</td>
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<td>Alligator Snapper, Grandma grass, Quercus - oak, wild grape,</td>
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<tr>
<td>Understory</td>
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<td>Herbaceous</td>
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<td>Bare soil/rock</td>
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<tr>
<td>Litter layer</td>
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<tr>
<td>Slope</td>
<td>0-5%</td>
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**Neotoma**  
**Peromyscus boylii**

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<th>Trapline No.</th>
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<tr>
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**Captures:**

**Ecological Data**

---

**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%
### Trapline No. 1: SAW/MA

<table>
<thead>
<tr>
<th>Cover Class</th>
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<th>Dominant Plant Species</th>
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<td>Juniperus monosperma</td>
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<td>Understory</td>
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<td>Castelova sp.</td>
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<td>Bare soil/rock</td>
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<tr>
<td>Litter layer</td>
<td>01 23 456789</td>
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</tbody>
</table>

**Slope:** 0%  
**Captures:**
- **8**: Chaetodipterus  
  - **Grossland**
- **12**: Peromyscus  
  - **Rocky slope**
- **20**: Neotoma  
  - **Rocky slope**
- **22**: Neotoma  
  - **Rocky slope**

### Trapline No. 2: SAW/MA

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<td>Overstory</td>
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<td>Understory</td>
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<td>Castelova sp.</td>
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<tr>
<td>Litter layer depth</td>
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**Slope:** %  
**Captures:**
- **2**: Peromyscus  
  - **Grossland**
- **7**: Peromyscus  
  - **Grossland**
- **28**: Peromyscus  
  - **Rocky slope**

**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%
PROJECT: Mammology Class 2010 Field Trip #1
Inclusive Dates: 10-12 Sept 2010
Participants: (Printed Name - Signature - 3 letter Initials):

Brinks Kahl BAK
Joseph A. Cool JAC
Christina Frank CMF
Jesus L. Maldonado JLM
Carrie Hentzel CHH
Family Padilla FP
Alexandra Hansell AH
Toby Weisbrod TW
Matthew R Jones MRJ
Ben Stanley BDS
Meredith Williams MMW
Vanessa Martinez VLM
Ryan Bell KB
Clare Steinberg CS

LOCALITIES:

Locality: USA: NM: Rio Arriba Co; Rio de los Pinos, 3km W San Miguel
Lat: 35.4376 N Long: -106.1730 W Elev: 2557m
Inclusive Dates: 10-12 Sept 2010
NK Number Series: 195781-195869

Locality: USA: NM: Rio Arriba Co; Rio de los Pinos, 1km, S4 E of San Miguel (Lower Site)
Lat: 36.4569 N Long: -106.1009 W Elev: 2485m
Inclusive Dates: 10-12 Sept 2010
NK Number Series: 195870-195884; 195873

Locality:
Lat: Long: Elev:
Inclusive Dates:
NK Number Series:

Locality:
Lat: Long: Elev:
Inclusive Dates:
NK Number Series:

Locality:
Lat: Long: Elev:
Inclusive Dates:
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Locality:
Lat: Long: Elev:
Inclusive Dates:
NK Number Series:

Locality:
Lat: Long: Elev:
Inclusive Dates:
NK Number Series:
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<tr>
<th>Species/Category</th>
<th># Captures</th>
<th># Traps</th>
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<td>Voles</td>
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<td>Mammals</td>
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<td>Amphibians</td>
<td>26</td>
<td>11</td>
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<tr>
<td>Insects</td>
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<td>11</td>
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<tr>
<td>Fish</td>
<td>0</td>
<td>11</td>
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</tbody>
</table>

**Notes:**
- Voles: *Microtus longicaudus* & *Peromyscus maniculatus*
- Mammals: *Neotoma montana* & *Tamias quadrivittatus*
- Birds: *Conepatus armillatus*
- Reptiles: *Neotoma*
- Amphibians: *Neotoma pacifica*
- Insects: *Peromyscus maniculatus*
- Fish: *Caenis*

** Trap Tally Form **

<table>
<thead>
<tr>
<th>Species/Category</th>
<th># Captures</th>
<th># Traps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voles</td>
<td>15</td>
<td>3</td>
</tr>
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<td>Mammals</td>
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<td>11</td>
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<tr>
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<td>100</td>
<td>11</td>
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<tr>
<td>Reptiles</td>
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</tr>
<tr>
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<td>26</td>
<td>11</td>
</tr>
<tr>
<td>Insects</td>
<td>8</td>
<td>11</td>
</tr>
<tr>
<td>Fish</td>
<td>0</td>
<td>11</td>
</tr>
</tbody>
</table>

**Notes:**
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- Mammals: *Neotoma montana* & *Tamias quadrivittatus*
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- Amphibians: *Neotoma pacifica*
- Insects: *Peromyscus maniculatus*
- Fish: *Caenis*
<table>
<thead>
<tr>
<th>Habitat-Specific Captures (species collected)</th>
<th># Trips</th>
<th># Captures</th>
</tr>
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<tr>
<td>TRM - 2x4</td>
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**Project/Collector:** mammal99 2010  
**Date:** 11 Sep 2010  
**Location:** 172.0N, 176.1E  
**No. Adult:** 115.5  
**Total Captures:** 5
<table>
<thead>
<tr>
<th>Name</th>
<th># Captures</th>
<th># Trips</th>
<th>% Success</th>
</tr>
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<tbody>
<tr>
<td>GM-9621</td>
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<td>1</td>
<td>100</td>
</tr>
<tr>
<td>GM-9624</td>
<td>6</td>
<td>2</td>
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</tr>
<tr>
<td>GM-9625</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GM-9626</td>
<td>3</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>GM-9627</td>
<td>4</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>GM-9628</td>
<td>1</td>
<td>6</td>
<td></td>
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<tr>
<td>GM-9629</td>
<td>7</td>
<td>8</td>
<td></td>
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<tr>
<td>GM-9630</td>
<td>10</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>GM-9631</td>
<td>12</td>
<td>10</td>
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**Locality:** N/A, N/A, N/A.

**Project/Collector:** W. M. W. 2010

**Date:** 12 Sep 2010

**Locality:** N/A, N/A, N/A.
BAT NET DATA SHEET

Locality: Rio Arriba, Río La Pintia, 3km S of San Miguel, Lat: 35.957 N, Long: 106.177 W

Date: 11 Sept 2010 Collectors: Mammal Class 2010

# of Nets: ______ x Length: ______ m x open @ ______ closed: ______ = ______ m/night

Moon Phase: New Rain: None hrs Wind: ______ hrs Temp: ______

Notes:

Net #: __________

Habitat:
Canopy: 0123456789
Understory: 0123456789
Water: running pond (size ______ x ______)
Distance from water: ______
Roosting site: ______

Captures:

<table>
<thead>
<tr>
<th>Species</th>
<th>Sex</th>
<th>Time</th>
<th>Height</th>
<th>Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Myotis volans</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eptesicus fuscus</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lasionycteris noctivagans</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Net #: __________

Habitat:
Canopy: 0123456789
Understory: 0123456789
Water: running pond (size ______ x ______)
Distance from water: ______
Roosting site: ______

Captures:

<table>
<thead>
<tr>
<th>Species</th>
<th>Sex</th>
<th>Time</th>
<th>Height</th>
<th>Direction</th>
</tr>
</thead>
</table>

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%

Map it!
PROJECT: Mammalogy Trip #2 - 2010
Inclusive Dates: September 24-26, 2010
Participants: (Printed Name - Signature - 3 letter initials):

Boone Cahill, Brent E., BAK
Christina Franks, C. M. F.
Alexander Horsfall, F. B. H.
Sara Hope, S.S.
David Anger, D. A.
Camille Padilla, C. P.
Stephan Schell, S. S.
Jonathan Schmitt, J. S.
Kat Schneider, K. S.
Matt Jones, M. J.
Meredith Williams, M. W.
Carrie Plantin, C. P.
Maria Valene, V. M.

LOCALITIES:
Locality: US: NM: Hidalgo, Peloncillo Mountains, Clanton Creek, Main Camp
Inclusive Dates: 24 Sept 2010 - 26 Sept 2010
NK Number Series: 195896

Locality: ___________________________ Long: ___________________________ Elev: ___________________________
Inclusive Dates: ___________________________
NK Number Series: ___________________________

Locality: ___________________________ Long: ___________________________ Elev: ___________________________
Inclusive Dates: ___________________________
NK Number Series: ___________________________

Locality: ___________________________ Long: ___________________________ Elev: ___________________________
Inclusive Dates: ___________________________
NK Number Series: ___________________________

Locality: ___________________________ Long: ___________________________ Elev: ___________________________
Inclusive Dates: ___________________________
NK Number Series: ___________________________

Locality: ___________________________ Long: ___________________________ Elev: ___________________________
Inclusive Dates: ___________________________
NK Number Series: ___________________________

Locality: ___________________________ Long: ___________________________ Elev: ___________________________
Inclusive Dates: ___________________________
NK Number Series: ___________________________

Locality: ___________________________ Long: ___________________________ Elev: ___________________________
Inclusive Dates: ___________________________
NK Number Series: ___________________________
<table>
<thead>
<tr>
<th>Species (genus, family)</th>
<th># Captures</th>
<th># Traps</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Robteta</em></td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td><em>Acrotricha</em></td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td><em>Nectoma</em></td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td><em>Nectoma, Resignacion</em></td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td><em>Nectoma, Chariphas</em></td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td><em>Nectoma, Chariphas</em></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><em>Nectoma, Chariphas</em></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><em>Nectoma, Chariphas</em></td>
<td>0</td>
<td>0</td>
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<tr>
<td><em>Nectoma, Chariphas</em></td>
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<td>0</td>
</tr>
</tbody>
</table>

**Total Captures:**

**Total Traps:**

**Success:**

---

**Local:** NM 124 E, Rio Gallegos, Patagonia, Argentina

**Date:** 25 Sept 2000

**Project/Collection:** Mamall Traps
BAT NET DATA SHEET

Locality: _________________________ Lat: _______________ Long: _______________
Date: 24-Sep-2010 Collectors: Manual Class 2010
# of Nets: 2 m x Length: __________ m x open @ _______ closed: ________ = ________ m/night
Moon Phase: ___________ Rain: ___________ hrs Wind: ___________ hrs Temp: ___________
Notes:

Net #: ___________
Habitat: Oak-Juniper Woodland stream
Canopy: 0123456789
Understory: 0123456789
Water: running; pond (size __________ x ________)
Distance from water: ___________
Roosting site: ___________
Map it!

Captures:

<table>
<thead>
<tr>
<th>Species</th>
<th>Sex</th>
<th>Time</th>
<th>Height</th>
<th>Direction</th>
</tr>
</thead>
</table>

Net #: ___________
Habitat: _________________________
Canopy: 0123456789
Understory: 0123456789
Water: running pond (size __________ x ________)
Distance from water: ___________
Roosting site: ___________
Map it!

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%
PROJECT: Mammalogy Trip #3 2010
Inclusive Dates: 29-31 Oct 2010
Participants: (Printed Name - Signature - 3 letter Initials):
Brooks Kohl[illegible] BAK
David Breger [illegible] DLR
Matt Jones [illegible] MRS
Stephan Welbo [illegible] SWV
Meredith Williams[illegible] MWS
Alexandra Horse [illegible] AWH
Kat Schrinner [illegible] KSW
Toby Wexiram [illegible] TSW
Lavinia Valenzuela [illegible] LVA
Christopher Thompson-Thompson SST
LHK [Shannon White] SBW
Becky Morgan [illegible] SNB
Ryan [illegible] RSN
C. Jonathan Elms H. [illegible] JTH
Jason Thomas

LOCALITIES:
Locality: US: NM: Socorro Co, US 54, 54 km SW of Socorro
Lat: Long: Elev: 5 4 km S, 36 km W
Inclusive Dates: 29 Oct - 31 Oct 2010
NK Number Series:

Locality: Long: Elev: 30 4 km S, 36 km W
Inclusive Dates:
NK Number Series:

Locality: Long: Elev:
Inclusive Dates:
NK Number Series:

Locality: Long: Elev:
Inclusive Dates:
NK Number Series:

Locality: Long: Elev:
Inclusive Dates:
NK Number Series:

Locality: Long: Elev:
Inclusive Dates:
NK Number Series:

Locality: Long: Elev:
Inclusive Dates:
NK Number Series:

Locality: Long: Elev:
Inclusive Dates:
NK Number Series:

Page ___ of ___