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Mammalogy Class 2010 Field Notes

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Field Trip 1

September 10-12, 2010

1 Road Log: Los Pinos River, New Mexico

- Left UNM and got onto I-25 N
- 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 (CMF)	Toby Weisenhous (TJW)
Alexandra Hansell (AUCH)	Ben Stankuy (BDS)
Mathew Jones (MRS)	Meredith Williams (MNV)
David Draper (DD)	Kayce Bell (KBS)
Vanessa Martinez (VLM)	Joe Cook (JAC)
Clare Steinberg (CES)	Camille Pedilla (CEP)
Mario Valencia (MV)	Ernie Valdez (EDV)
Jason Malaney (JLM)	(CJS)
Carrie Crabtree (CAC)	
Brooks Kohli (BAK)	

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 trees 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 - of genus Salix

Sedge - of family Cyperaceae

Blue Spruce - Picea pungens

Dogwood - Cornus sirezec

Juniper - Juniperus scopulorum

Alnus incana, ruse 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, elev 2551 m

5. Weather:

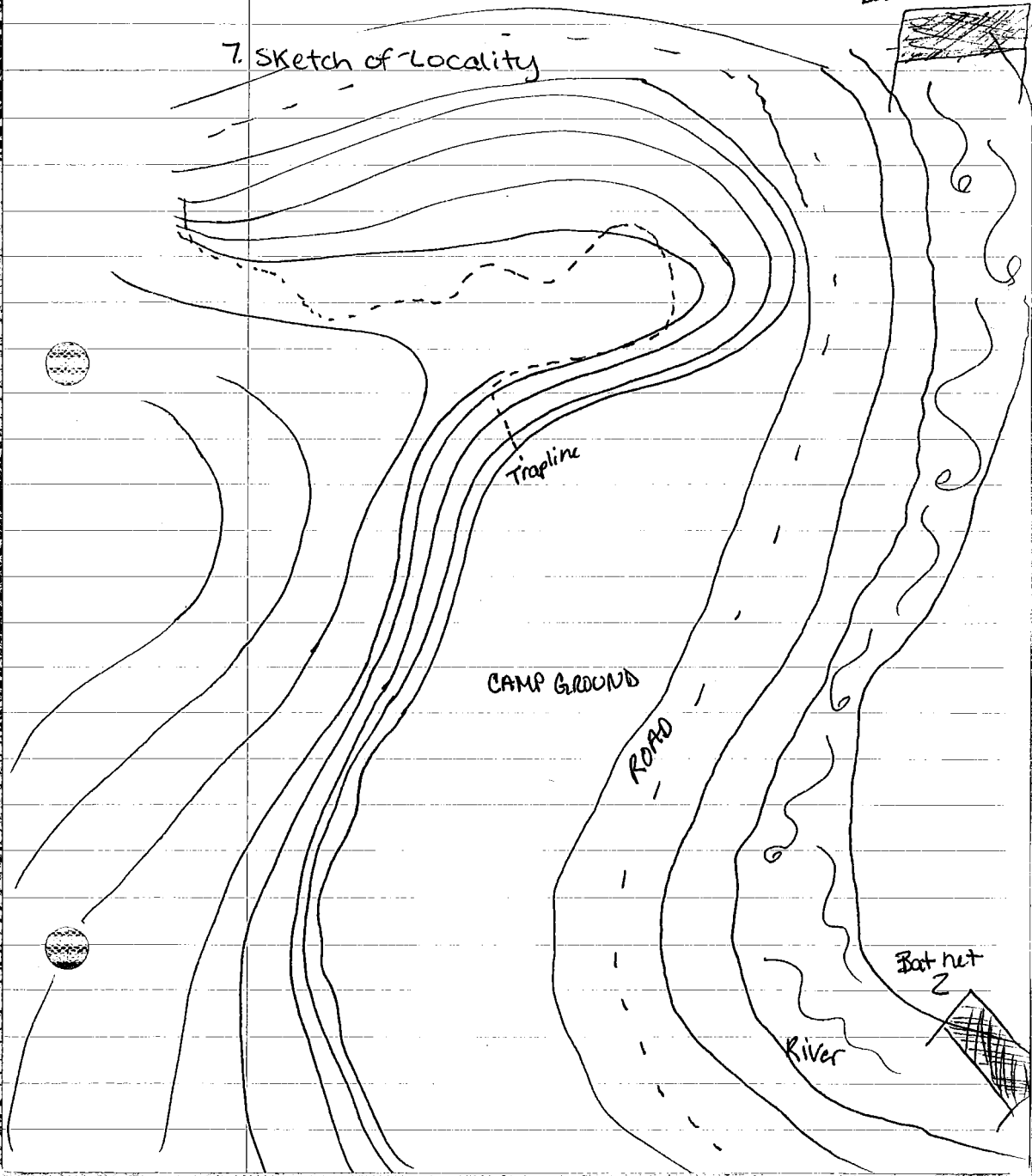
The weather was warm in the day ($\sim 70^{\circ}\text{F}$) and cooled off considerably at night ($\sim 40^{\circ}\text{F}$). The second night did not seem as cold. No temperatures were taken. The moon cycle was at 'new moon' which gives off lots of light in the evening. This may have discouraged rodents from optimal nocturnal activity and used as a precaution to avoid nocturnal predators.

6. Trapline Info: (CEP/MU)

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 grasses, leaves, and broken branches. Overstory was about 35% and understory was about 80%.

7. Sketch of Locality



8. Trap Success : CEP / MV

13 Peromyscus maniculatus

12 Neotoma mexicana

4 Tamias quadrivittatus

Group Species List

Peromyscus maniculatus

Tamias quadrivittatus

Neotoma mexicana

Microtus pennsylvanicus

Microtus longicaudus

Spermophilus lateralis

Myotis volans

Eptesicus fuscus

Lasionycteris noctivagans

CEP / MV Trap success

9/11/10

Morning collection

11 Peromyscus spp maniculatus

10 Neotoma mexicana

2 Tamias quadrivittatus

9/11/10

Evening Collection

2 Peromyscus maniculatus

2 Neotoma mexicana

1 Tamias quadrivittatus

9/12/10

Morning Collection - Final Collection

2 spp : Tamias quadrivittatus

Spermophilus lateralis

Road log: Coronado National Forest 9-24 to 26-2010

From Hatch take Hwy 26 to Deming, NM.

Head south on I-25 to Hatch. Go west on 10 and turn East on Geronimo trail road. Geronimo trail 0.0 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)

Brooks Kohli (BAK)	Kat Schreder (KS)	Joe Cook (JC)
Christina Frank (CMF)	Meredith Williams (MNW)	
Alex Hansell (AWH)	Carrie Crabtree (CAC)	
Sara Pezko (SMD)	Mario Valencia (MV)	
David Draper (DD)	Clare Steinberg (CES)	
Camille Padilla (CEP)	Kayce Bell (KCB)	Andrew Hope (AH)
Stephen Webb (SRW)	Jordan Jarrel (JJ)	Lydz Zefin (LZ)
	(CJS)	Jon Dunnom (JD)
		Steve Macdonald (SM)
Sylvia Brunner (SB)	Robert Nofchissey (RN)	

General site description:

Our camp ground (S side of road) has lots of over story ~ 80%. There 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 50ft. The understory goes from minimal ~ 30% to very dense ~ 60%. Species:

Alligator juniper - *Juniperus deppeana*

Wild grape - *Vitis vinifera*

Oak - *Quercus* species

Species Continued...

Blue Grama Grass
~~Grandma grass~~ - Bouteloua gracilis

Yucca

Chaparral

sunflowers - Helianthus annuus

Mezquite - Prosopis species

sacatonc - Airoides species

The habitat varied; oak woodland, mezquite grassland, grassland + sunflowers, and sacatonc grasslands.

4. Official designated locality

USA: New Mexico; Hidalgo county; Peloncillo Mtns; Clanton Creek, Lat/Lon. 31.51690°N , $108.98560^{\circ}\text{W}$, elev 1655m

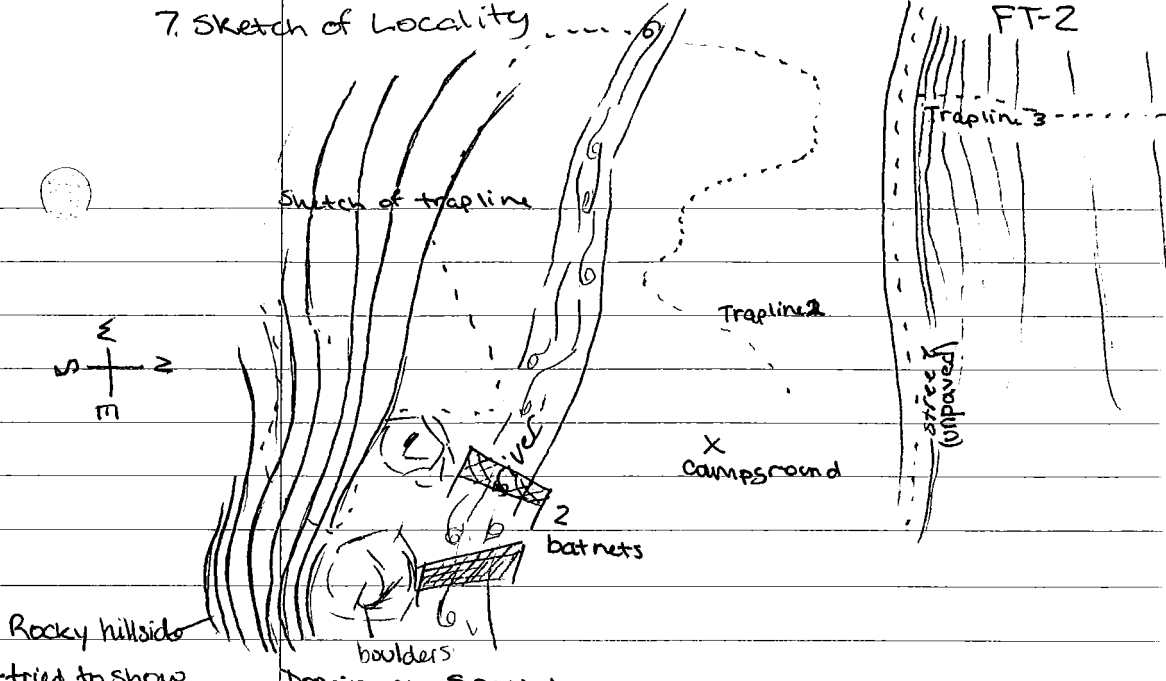
5. Weather: This area ~~is~~ has moderate temperatures not too hot or too cold (no actual temperatures taken). We are near a river so the area gets humid in the evenings. The moon was very full and the light may have discouraged activity. During the day the sky does not have many clouds, full sunshine. Trapline 3 may have been unsuccessful do to heat during the day and ^{the} full moon at night

6. Trapline information: Trapline (CEP/MV 2)

9/24/10

evening trap line #: 40 shermans, checked in am of 9/25 - Caught Neotoma albigula and Peromyscus boylii and 38 left on line. We set 28 more shermans South of creek/river. And we set 20 sherman and 20 Snaptraps on North side of street. Over story was about 15ft high to 50 feet, 80% (South of ^{street} river), 20% (North of road). The understory of both areas was about 1 to 2 feet tall.

7. Sketch of Locality



Rocky hillside
 tried to show
 topography
 Alligator Juniper
 Yucca

Dominant Species

8. Trap success

Trapline 2 9/25 AM - 1 Neotoma albigula, 1 Peromyscus boylii

9. Group Species list

- Otospermophilus variegatus
- Chaetodipus pencillatus
- Neotoma albigula
- 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 Biome: Riparian
 Lat: 35.9576 Long: 106.1770 Elev: 2551
 Date: 9/11/10 Project/Collectors: CAMILLE P. Mario V.
 Notes (Moon; weather; temp.):

Trapline No. 1

	Cover Class	Height/units	Dominant Plant Species
Overstory:	0 1 2 <u>3</u> 4 5 6 7 8 9	_____	<u>Spruce, Juniper, Rabbit Brush</u>
Understory:	0 1 <u>2</u> 3 4 5 6 7 8 9	_____	<u>Narrow leaf Cottonwood, Douglas fir,</u>
Herbaceous:	0 1 <u>2</u> 3 4 5 6 7 8 9	_____	<u>Ponderosa pine, Willow, Roses</u>
Bare soil/rock:	0 1 2 3 4 <u>5</u> 6 7 8 9	_____	_____
Litter layer:	0 <u>1</u> 2 3 4 5 6 7 8 9	_____	_____
Slope:	<u>0-30</u> %	_____	_____

Captures:

Trap #:	NK Number	Species	Ecological Data
<u>1</u>	<u>145 752</u>	<u>Neotoma mexicana</u>	
<u>27</u>	<u>145 770</u>	<u>Tamias quadrivittatus</u>	

Total catch #s:
13 Peromyscus maniculatus
12 Neotoma mexicana
4 Tamias quadrivittatus

	Cover Class	Trapline No. _____	Height/units	Dominant Plant Species
Overstory:	0 1 2 3 4 5 6 7 8 9	_____	_____	_____
Understory:	0 1 2 3 4 5 6 7 8 9	_____	_____	_____
Herbaceous:	0 1 2 3 4 5 6 7 8 9	_____	_____	_____
Bare soil/rock:	0 1 2 3 4 5 6 7 8 9	_____	_____	_____
Litter layer depth:	0 1 2 3 4 5 6 7 8 9	_____	_____	_____
Slope:	_____ %	_____	_____	_____

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%

9/11/10

- ✓ #1 Tree & rocks
2 catches (Pack rats)
- ✓ #2
0 catches
- ✓ #3
2 catches 30% cover
- ✓ #4
1 catch
- ✓ #5
- ✓ #6 Pine tree
1 trap
- ✓ #7 Juniper cover
Both traps
- 2 trap in place
- ✓ #8 Juniper
0 catches
- ✓ #9
0 catches
- ✓ #10 Juniper & Spruce
0 catches
- ✓ #11 Juniper & Spruce, rocks side
0 catches
- ✓ #12 Next to rocks side
0 catches

9/11/10

- ✓ #13 Open, by rocky pathway
~~2~~ 1 catch
 - X trap in place
- ✓ #14 Little cover by Juniper
 + rocky area
 ⊕ catches
- ✓ 15
~~#15~~ #16 Procs side, ~45 side
 1 catch
 - 1 in place
- ✓ 17
~~#17~~ #18 Rocks + Pine tree
 ⊕ catches
- ✓ 18
~~#18~~ #19 Spruce + rocks
 ⊕ catches
- ✓ 19 Juniper
~~#19~~ #20 Spruce + piñon
 ⊕ catches
- ✓ 20 Juniper
~~#20~~ #21 ~~Spruce~~
 ⊕ catches
- ✓ 21
~~#21~~ #22 Juniper good shade
 ⊕ catches
- ✓ #22 Juniper + rocks
 - 2 trap in place
 - 1 catch - rocks
- ✓ 23
~~#23~~ #24 Small Juniper
 ⊕ catches
- ✓ 24
~~#24~~ #25 Juniper
 1 catch
 - 2 trap in place
- ✓ 25
~~#25~~ #26 Pine tree - some cover (rocks)
 + ⊕ traps
- ✓ 26
~~#26~~ #27 Juniper
 ⊕ catches
- ✓ 27
~~#27~~ #28 Juniper
 1 catch
 2 trap in place
- ✓ 28
~~#28~~ #29 Juniper
 ⊕ catches
- ✓ 29
~~#29~~ #30 Juniper
 1 catch
 - X trap in place
- ✓ 30
~~#30~~ #31 Juniper
 1 catch
 - 1 trap in place
- ✓ 31
~~#31~~ #32 Juniper
 ⊕ catches

9/11/10

Juniper

✓ ~~32~~
#31 Juniper
- 2 catches

#40 Side of rock/foliage
1 catch

* 0 traps

- 1 trap in place

✓ #~~32~~³³ Juniper
- 0 catches

80 traps
11 Deer mice *Peromyscus*
2 chipmunks

✓ #~~33~~³⁴ Juniper
- 1 catch

10 Packrats *Neotoma*

²
- 1 trap in place

new moon

✓ #~~34~~³⁵ Juniper
0 catches

11. *Peromyscus maniculatus*
(Deer Mouse)

³⁶
✓ #~~35~~ Juniper
- 1 catch
²
- 1 trap in place

Plants:

Narrow leaf cottonwood *Populus angustifolia*
Oak *Quercus*

✓ #~~36~~³⁷ Rabbit brush
- 1 catch
- 1 trap

Rocky mountain Juniper ~~240~~ *Juniperus*

Conifers: blue spruce

Douglas fir

Willow *salix* (viparian)

✓ #~~37~~³⁸ (smen) Juniper + rock
- 1 catch
²
- 1 trap in place

Alfalfa *melilotus alb.*

Roschips

Juniper *Scopullum*

~~Alnus~~ Alder (viparian)

Ponderosa *Pinus*

~~#38~~
~~#39~~

✓ #39 ROCKS
0 catches

Checking Traps

12 Sept. 2010

#1	∅ catches	31 ∅
#2	∅	32 ∅
#3	∅	33 ∅
#4	∅	34 ∅
#5	1 catch ^{chip-} munk	35 ∅
#6	1 "	36 ∅
#7	∅	#37 Rabbit
#8	∅	1 catch
#9	∅	#38 ∅
#10	∅	#39 1 catch
#11	∅	#40 1 catch
#12	∅	80 traps
#13	∅	1 chipmunk
#14	∅	2 Neotoma
#15	∅	2 deer mice
#16	∅	78 traps (mid afternoon 9/11/10)
#17	∅	2 chipmunks
#18	∅	
#19	∅	
#20	∅	
#21	∅	
#22	∅	
#23	∅	
#24	∅	
#25	∅	
#26	∅	
#27	∅	
#28	∅	
#29	∅	
#30	∅	

TRAPLINE DATA SHEET

ok

Locality: 15/NM: Hidalgo Co; Piloncillo Mtns: Clanton Creek Biome: Riparian/Yucca + grassland
 Lat: 31.51690N Long: 108.9860W Elev: 1655m on N side of road
 Date: 9/24/2010 Project/Collectors: Mammalogy class Fall 2010
 Notes (Moon; weather; temp.): Full moon, moderate near creek, hot (75°) in grassland, humid in the evenings

Trapline No. 2

	Cover Class	Height/units	Dominant Plant Species
Overstory:	0 1 2 3 4 5 6 7 8 9	<u>15-50 ft</u>	<u>Oak, alligator juniper, wild grapes,</u>
Understory:	0 1 2 3 4 5 6 7 8 9	<u>1-2 ft</u>	
Herbaceous:	0 1 2 3 4 5 6 7 8 9		
Bare soil/rock:	0 1 2 3 4 5 6 7 8 9		
Litter layer:	0 1 2 3 4 5 6 7 8 9		
Slope:	<u>0 to 60 %</u>		

Trap #:	NK Number	Species	Ecological Data
<u>19</u>		<u>Neotoma albigula</u>	<u>near stream + rocks</u>
<u>12</u>		<u>Peromyscus boylii</u>	<u>grasses, alligator juniper, + lots of shade</u>
<u>5</u>		<u>Unknown</u>	
<u>9</u>		<u>Unknown</u>	
<u>21</u>		<u>Unknown</u>	
<u>Total:</u>			
<u>55 Shermans</u>			

Trapline No. 3

	Cover Class	Height/units	Dominant Plant Species
Overstory:	0 1 2 3 4 5 6 7 8 9	<u>~12-20ft</u>	<u>Yucca, grama grass, chaparral,</u>
Understory:	0 1 2 3 4 5 6 7 8 9	<u>1-2 ft</u>	<u>mesquite, alligator juniper</u>
Herbaceous:	0 1 2 3 4 5 6 7 8 9		
Bare soil/rock:	0 1 2 3 4 5 6 7 8 9		
Litter layer depth:	0 1 2 3 4 5 6 7 8 9		
Slope:	<u>0-40 %</u>		

Trap #:	NK Number	Species	Ecological Data
<u>Total: 1 Peromyscus boylii</u>			
<u>20 Shermans</u>			
<u>20 Snap traps</u>			

Trapline 2

Trap #	Trap Success Check 1	Trap Success Check 2	
1	∅	∅	near camp
2	∅	∅	
3	∅	∅	
4	∅	∅	
5	∅	∅	next to stream: Pine,
6	∅	∅	grama grass, wild grape
7	∅	∅	
8	∅	∅	
9	∅	∅	
10	∅	∅	
11	∅	∅	
12	1	∅	alligator juniper
13	∅	∅	
14	∅	∅	
15	∅	∅	lots of grass, trap by road
16	∅	∅	by stream
17	∅	∅	
18	∅	∅	
19	1		next to stream
20	∅		South of stream

9/25/10 AM Trap Success

Neotoma albigula

Peromyscus boylii

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