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Mammalogy Class 2012 Field Notes

Andrea Jackson

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Field Journal & Prep Catalogue

Mammalogy Field Trips

Bio 489.

Andréa Jackson

4 December 2012

A. Jackson
Mammalogy Fall 2012

Road Log - Jemez Mountains.

7 September 2012

- Left UNM campus at 12:40pm Start mileage:
onto Martin Luther Ave (west) 253mi
- At light turn right on I-25 North Exit
- Time check: 12:58pm: Enter Santa Ana
Reservation
- 1:01pm - take exit 248, turn right. At
stop sign, turn left to Algodones
- Turn left back onto I-25, heading South
- 1:06pm, leaving Santa Ana Reservation
- 1:08pm, take Exit 242 mileage: 286mi
- Turn Northward at Highway 550
- 1:08pm pull over to Giant Gas Station
- 1:21pm leave Giant, turn right onto
Highway 550.
- Made a u-turn, 2:19pm, turn left onto
NM 126 (East) mileage 292.6mi
- Meet with other group at True Value
- 2:29pm, Turn back on to NM 126 East;
Follow right at split in the road, continue
to follow the road.
- 2:37pm enter Santa Fe National Forest
- 2:46pm - turn left mileage: 305mi
- 2:53pm - Arrive at Campsite end mileage:
307mi

A. JACKSON
Mammalogy Fall 2012

FIELD JOURNAL

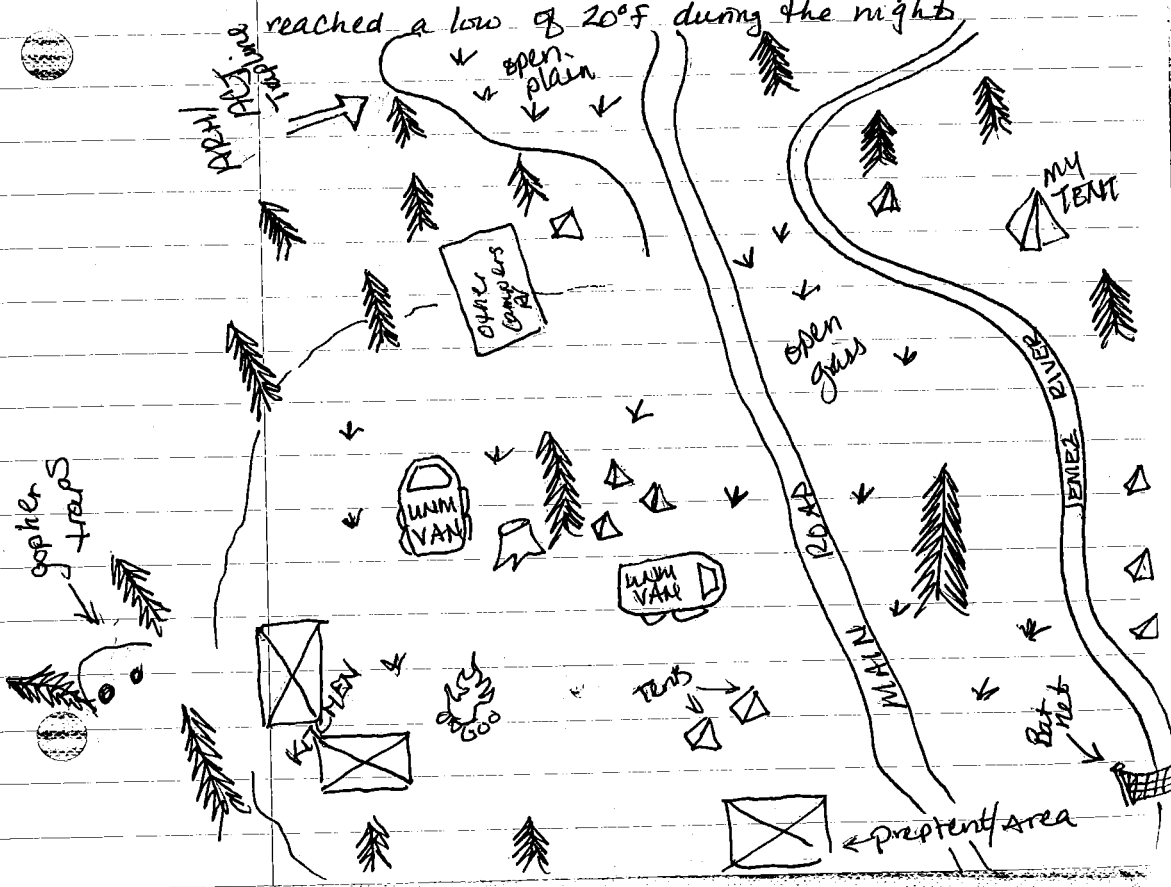
USA: New Mexico; Sandoval County; Santa Fe
National Forest; Jemez Mountains; Clear
Creek, 2 km South of San Gregorio Reservoir
Lat/Lon: $36^{\circ}1.212'N$, $-106^{\circ}50.811'W$ elev 2802m

Upon arrival at our campsite, it was cloudy, with little to no sun present. Majority of the day was cloudy (100% cloud cover). Temperature was moderate, about $66^{\circ}F$. Campsite located at the southern tip of the Boreal Forest. Here we were able to see a mixture of Ponderosa pines and Spruce fir trees. The height of the trees in the area. The average height was around 55-60ft tall. Our campsite was located off the main road in an open area, with no tree cover. This was probably a developed campground area. Half of our group camped in this area. Others, including myself, went across the road, and set up camp by the Jemez River. In all, our campsite was in a riparian habitat. Surrounding the campsite, there was about a 90% tree cover, with few wide gaps, further in the forest. The height of the understory, was tallest at about 3 feet tall.

The weather upon arrival was sunny and warm, with a high around $70^{\circ}F$. The first night was cold, clear skies and no clouds. The next morning, Saturday, 8 September 2012, I woke up with

Weather - Jemez Mountains

lots of dew, and rain droplets. The grasses were quite wet as well. However, there was animal activity throughout the night, because Coyotes were howling. This was heard close by my tent, by the riverside. Throughout the early morning, it was cloudy, no sun, 100% Cloud cover. Temperature was low 60's until mid afternoon. Around noon, the sun came out, warming the area, to a high of 70°F. It was warm enough to just wear a sweater or tee shirt around camp. During the evening, it was colder than the first night. It may have reached a low of 20°F during the night.



TRAPLINE - JEMEZ MOUNTAINS

NAME: Andrea Jelmon (ACT), Amber Howard (ARH)
and Robert Nofchissey (RAD)

"ACT|ARH.1" name of trapline

TRAPS	number	GPS: Start of Trapline ACT ARH
"Pitfalls"	9	36.02205 N, -106.841 W accuracy 18ft
Snap Traps	0	Midpoint of Trapline
Sherman Traps	51	36.02291 N, -106.94798 W Elev 2716, accuracy 4ft.
		End of Trapline 36.02457 N, -106.84912 W Elev 2820 accuracy 3ft.

Our trapline stayed relatively close to the dirt road that led into the forest. We ran into a few different areas. Our first few traps, mostly Shermans, were in areas, with a lot of leaf matter fallen & rotting trees, broken twigs, and moss. The second area, we placed traps in was filled with tall grasses about a 2ft high. Here we placed a few Pitfall traps. Continuing further, we ran into an open field, far from the road, where lots of fresh gopher mounds were observed. Overall the ground cover was about 2-3ft high and 40% coverage of overstory. A few acacias & thorny bushes, were noticed in one particular area across an open field, up a slope, & with much decomposing matter. The tree cover was 75% in forested areas. In clear plain/grassy areas, shrubs under story ca. 4ft high with 40% coverage.

TRAPLINE - JEMEZ Mountains.

Day 1: 8 September 2012

Capture Total: 31 : 30 in Sherman, 1 in Pitfall

Captures: Tamias sp.

Thomomys

Neotoma

Peromyscus

Sorex

Spermophilus

Trap Success = $8/51 = 16.0\%$

Day 2: 9 September 2012

Total Capture: 3; 2 in Sherman, 1 in Pitfall

Captures: Tamias minimus

Sorex

(Release) Peromyscus

SPECIES LIST (GROUP)

Buteo fuscus

Sorex cinereus

Spermophilus lateralis

Neotoma cinerea

Sylvilagus nuttalli

Tamias quadrivittatus

Peromyscus sp

Thomomys talpoides

Tamias minimus

Sorex monticolus

Tamiasciurus hudsonicus

Miscellaneous Information - Jemez Mountains

Things that were observed throughout the trip were: Elk droppings, Coyotes howling, a Spermophilus variegatus running up a hill, a Nut Hatch (bird), prairie dogs, a peacock and lots of cow patties.

The first Mammalogy field trip was a unique trying experience. I learned how to prepare a specimen in the field, to cook on a fire, and got to work as a team with my classmates. Through the day, I worked hard and had fun! I was able to play football, build a fire a push myself to think out the box. This trip re-inspired me to do things that I enjoy and the want to do new things. Additionally the desire to be outside and explore the world with people who usually are too busy to embrace nature. I definitely learned how to work alongside people that are difficult to work with, but work together to get the work done.

Participant List

USA: New Mexico; Sandoval County; Santa Fe National Forest; Jemez Mountains; Clear Creek; 2 Km of South of San Gregorio Reservoir

lat/lon $36^{\circ}1.212'N, -106^{\circ}50.811'W$

Elev 2802m

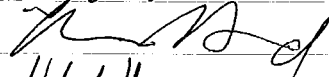
Kayce C. Bell (KCB)



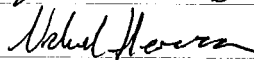
EVAN FAHY (EFF)



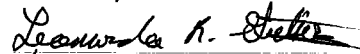
Amber Howard (ARH)



Nichole Herrera (NRH)



Leonardo R. Gutierrez (LRG)



Vanessa R. Casias



Schuyler Liphardt




Kevin Mcormick (SKM)



Amber L West ~~Amber L West~~ ALW

Marie Westover (Mx) 

Rosemary Seienberg  RKS

Heather Toman

 HMT

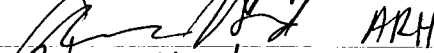
Kristin Wright

 KKW

Michael Smith

 MJS

Amber Howard

 ARH

Valerie Horda

 VRH

Amanda Jones

 AKJ

A. Jackson

ROAD LOG - Gila River

11 October 2012

- Leave campus at 8:18 am from Dr. Martin Luther King Ave & University.

start mileage 48770mi

- Continue straight (west) on Dr. Martin Luther King
- Turn left on Locust toward Interstate 25 South

- Entered on Interstate at 8:28 am. Continue South.

- Pass Los Lunas Manufacturing at 8:41 am

* Coyote (Canis latrans) on left side of the road, low traffic, mileage: 48921

- Take exit 100, turn right.

Pulled off of road for a "Teachable Moment" to observe a Neotoma nest. Time 10:20 am.

- Left location at 10:31 am, return South on Interstate 25.

mileage: 49004 mi

- Took exit 79 'Truth or Consequences' and went to McDonald's at 10:49 am

grab a small bite to eat & restroom break.

- Left McDonald's at 11:00 am, headed South to Las Cruces.

* Observed Prickly pear Cactus on cliff side by road at 11:11 am mileage: 49027 mi

- Take exit 63 and turn right at 11:23 am

mileage: 49042 mi

- Pass Emory Pass mileage: 49046 mi

- Pass Kingston mileage: 49068 mi

ROAD LOG - Gila River

11 October 2012

- Entered Silver City at 11:55 pm.
- Observed mining facility at 12:47 pm
mileage: 49102 mi.
- Continued on road
- Made a right turn (west) at Santa Clara on 180 West
Time: 1:03 pm mileage 49108 mi
- Pulled over at Albertsons at 1:08 pm mileage 49114 mi
* at Albertson's we had lunch and picked up groceries.
- Leave Albertson's at 1:58 pm mileage 49114 mi; turn
Left onto US 180 West
- Pulled over for gas at Snappy Mart, left gas station
at 2:11 pm, continued on to West 180
- Turn right onto 14th Street.
- Made a right turn onto Gila at 2:42 pm mileage 49141 mi.
- At mileage 49148, turned left to Steve MacDonald's
House. Time 2:51 pm.
- at 2:56 pm continued through Gila. mileage 49148 mi
- Arrived at Campsite at 4:05 pm mileage 49159 mi.

USA: New Mexico; Grant County; Gila National

Forest Mogollan Mountains; Gila River; 10 Km

N 10 Km E lat/lon 33.062109°N, -108.49985°

W elev 1434 m

ROAD LOG: RETURN - Gila

- Start mileage 49195, leave campsite 3:48 pm
the morning weather with clear skies, 75°F, with
no wind to a little breeze.
- Yield right to Junction 211
- Yield left onto Junction 211, exit Cliff District.
- At stop sign make a right to Junction 180
mileage: 49212 mi
- Pass through Glenwood, stop at stop sign "Majestic
Wolves: Balance Nature" at 4 pm.
- Yield right to Reserve mileage 49274
- Stop for gas a corner gas station on Main
- Road sign "131 mi from Socorro"
- Leave at 5:10 pm North to Socorro
- Made a stop - to see cow vs wolf & elk fences
* Spotted antelope at 5:59 on right side of the
road in a plains area. Below is an account of
the antelope (*Antilocapra americana*) while
driving through the VERY LARGE ARRAY.
(3) - at 6:02 - 49327 mi
(5) *A. americana* 49329 mi
(5) *A. americana*
(6) *A. americana*
(1) Red-tailed Hawk (*Buteo jamaicensis*)
(25) *A. americana*
(13) - *A. americana* - 49338 mi
- East on 60 to Socorro at 6:21 mileage 49349 mi
- Pass the Very Large Array @ 6:25 pm

ROAD LOG - RETURN - GILL

* Spotted more Pronghorn

8 - at 6:29 pm

25 - at 6:31 pm

9 - at 6:32 pm

11 - at 6:35 pm

7 - at 6:36 pm

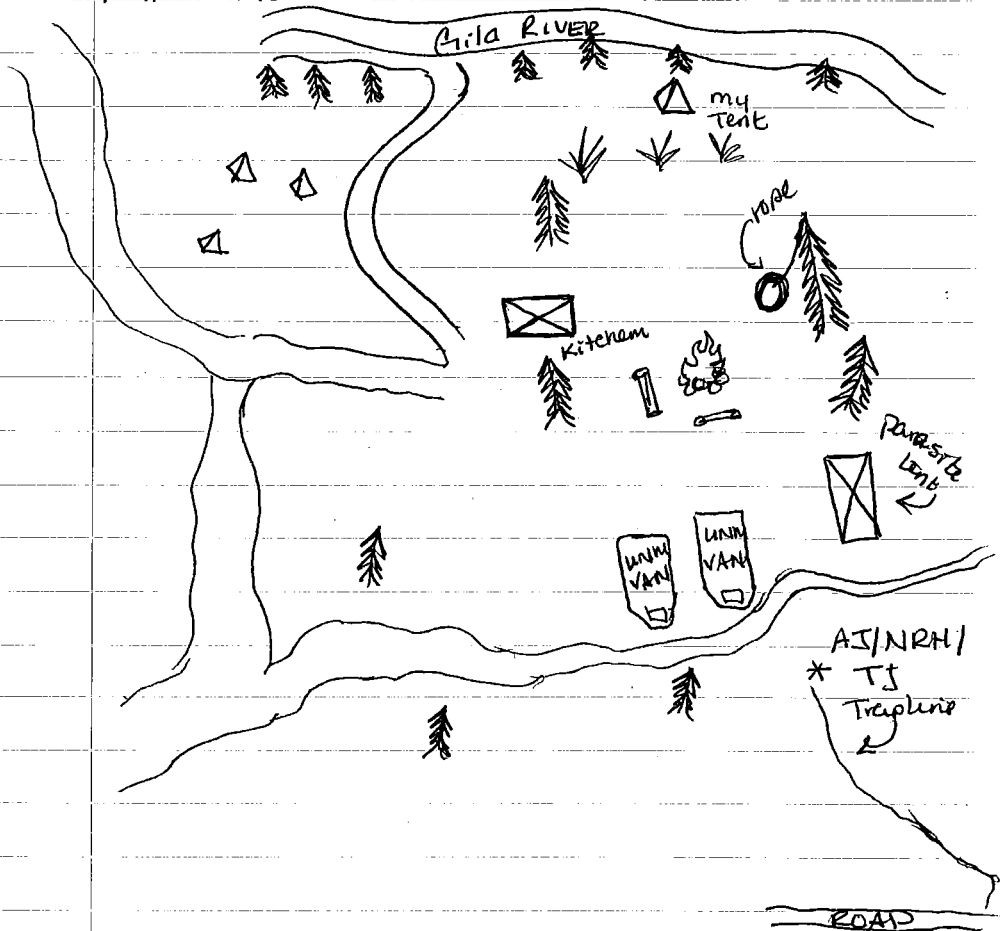
- Yield right (through Socorro) to I-25 North at 7:20 pm
- Made a left on California, East on I-40
- Stop at rest stop at 7:39 pm mileage 49430 mi.
- Leave rest stop at 7:45 pm
- Take Exit 224
- Turn right onto Central (heading East)
- Turn left onto Yale and onto Campus
end mileage 49489 mi.

FIELD DESCRIPTION - GITA

When we arrived at our site location, we were in a wooded areas, by the Gila River, about 50ft away. We were surrounded by Juniper trees & pinon trees. The habitat was riparian since we were so close to the river. Sycamore trees were also spotted along with Cottonwood trees, and plenty of poisoning of mesquite. The height of the overstory, was maybe 45-50ft tall. However the Cottonwood tree that was the center of our camp was quite large and thick. It probably measured around 40ft high. The understory, was low, compared to our last site. There was much dirt for from the river where we had our kitchen, preparation site and the fire. With lots of fallen leaves on the ground, you could tell it was fall, and the leaves flooded the floor. So much that other shrubs and grasses weren't observed.

The weather when we first arrived the weather was cold and cloudy. There was a moderate wind throughout the day, but definitely cool enough to wear a jacket or thick sweater. The temperature during the day was about 65°F and at night to a low 30°F. The next day, it rained during the night, around 2:30am, with heavy rains and thunder. In the morning, the air was crisp, and lots of cloud cover. The sun didn't peak through the clouds until late afternoon.

MAP OF SITE



Our trapline was a difficult trapline. Only because we lost the beginning a few times and the dirt was really soft. The vegetation was at eye's height (about 5ft tall). We ran into acacias, piñons and juniper trees. Higher & further along, we came across another dirt road, crossed this, and climbed up a rocky hill. Here we placed a lot of Shermans in between & on top of rocks. In this area the habitat had acacia vegetation (dark green,

TRAPLINE

short shrub with long thorns). Even further along our trapline, we hit another flat surface. At higher elevations it was colder and windy. We had a few dead trees, but overall was rocky. Fortunately, we knew that this area was to active because we spotted plenty of Deer droppings, and a shed snakes skin.

Name: Andrea Jackson (ACJ), Nichole R. Herrera (NRH) and Teryn Jensen (TJ)
- "ACJ/NRH/TJ" - name of trapline

GPS coordinates for beginning of trapline:

33° 03' 52.3" N, 108° 21' 53.8" W

<u>TRAP</u>	<u>Amount</u>	
Sherman traps	- 80	- Gopher Traps - 4
Pitfall	- 0	
Snap Traps	- 0	

Capture Total: 10

Trap Success: $\frac{10}{80} = 12.5\%$

Captures: 1 Kangaroo Rat

3 Pocket mice

6 Deer mice

Total group captures (Species List)

Chaetodipus intermedius

Lasiusus cinereus

Dipodomys merriami

Myotis auriculus

Dipodomys ordii

Myotis californicus

Onychomys leucogaster

Myotis volans

Species List

Neotoma albigula

Neotoma stephensi

Drychomys leucogaster

Peromyscus truei

Perognathus flavus

Peromyscus boylii

Peromyscus eremicus

Peromyscus leucopus

Ancillary Information

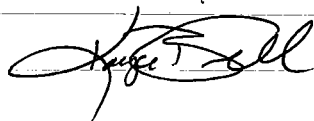
Regarding our trapline, we started putting out traps as soon as we arrived to the site, 4:30pm. We used both dry seed and wet seed (w/ peanut butter). Because we (Nichole & Tenjen) and I were the last to set up tents and unpack we only had Sherman traps left to use. So we used 80 Sherman traps, two at each flag position. The reason for going in the direction that we did, was in hopes of catching lots of chipmunks. After setting traps we returned to camp at 6:50pm. Around 8pm we ate dinner and played some field. Even though that was great fun, I went to bed at 9:45pm. The next morning, 12 October 2012, I woke up at 7:30am and immediately went to check traps. However, we had to wait on the availability of GPS units, and had breakfast (scrambled eggs, potatoes and bacon in a tortilla) at ~~8~~ 7:45am. Afterwards we checked traps and caught a few (10) rodents. We returned to camp at 10:45pm. Then at 11:20pm, I was asked by R. Nijchisey to set Gopher traps over by the river in the willow area. Unfortunately, my gopher traps were of little success. That night we met with the hard Arts people who offered us a different perspective to Biology and conservation. This was very interesting to hear and see. Many times we saw the group with someone who wore a big Owl mask, made of feathers, and rodent skins. This field was more exciting because we got to play field games. We all laughed, had marshmallows over the fire and enjoyed the outdoors. Also, on the way

back to our camp, we saw racoon footprints,
and dog prints.

Participant List

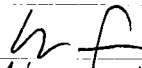
USA: New Mexico; Grant County; Gila
National Forest Mogollon Mountains;
Gila River; 10Km N 10Km E; lat/lon
33.06269° N & -108.49985° W
elev 1434m

Kayce C. Bell (KCB)

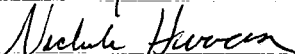


Joseph A. Cook (JAC)

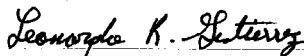
Evan Fahy (EFF)



Nichole Herrera (NRH)



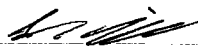
Leonardo R. Gutierrez (LRG)



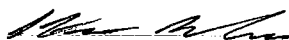
Vanessa R. Casias



Schuyler Ziphardt



Kevin McNamee (SKM)



Robert Mofheisy

Muriel Campbell

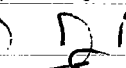
Amber L. West (ALW)



Marie Westover (MW)



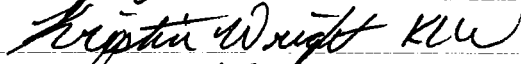
Rosemary Steinberg (RS)



Heather Toman



Kristin Wright



Amber Howard



Teryn Jensen (TJ)



Valerie Horda



Amanda Jones



A. Jackson
Mammalogy 2012

ROAD LOG - Ladder Ranch

26 October 2012

Departed from campus from University & Dr. Martin Luther King Ave. at 12:03 pm.

start mileage 21327 mi.

• Head west on Dr. Martin Luther King Ave.

• Turn left on Locust, entered the highway, heading South on Interstate 25.

• Take exit 150 "Welcome to Socorro", turn left to gas station "Kicks 66"

• Leave gas station at 1:20 pm head back on the Interstate (South) to Las Cruces.

• Take exit 139 mileage 21414 mi.

* weather: clear skies - no clouds, temperature 64°F.

• Made a lunch stop at 1:36 pm mileage 21414

* Eat at the Owl Bar & Cafe for Green Chile Cheeseburgers (in San Antonio, New Mexico)

• Finished eating at 2:24. left the Owl Bar & Cafe at 2:31 pm mileage 21415 mi.

• Exits right toward Las Cruces on Interstate 25 South.

• Take exit 63 and turn right

• 3:40 pm arrived at Ladder Rd at Ladder Ranch.

mileage 21500 mi.

USA: New Mexico; Sierra County; Ladder Ranch,
11 km N 10 km W of Caballo; lat/lon 33.010615° N
and -107.4636690° W elev 1452 m

Site Description

While driving through Ladder Ranch, first thing I noticed were the Kangaroo Rat mounds, and there was plenty! Continuing our drive till our campsite we observed Mesquite cactus, Cholla, snake wood, Cottonwood Trees, Salt Cedar, and narrow leaf willow. We drove by a River, and our Campsite was somewhat riparian habitat. Our campsite location was surrounded by Cottonwood trees (both fallen dead, and alive), and sycamore. For firewood we had to collect dead sycamore. The overstory was around 10ft tall, while the understory was dominated by tall grasses and shrubs. The dominant shrub was mesquite. The grasses covered the forest floor completely (100%), while the Mesquite covered 85% of the forest floor and measured about 4ft high. However outside of our Camping area the forest floor was bare and filled with decomposing material (fallen leaves) which could be part of the Chihuahuan desert. Our campfire was in the middle of camp, and tents were spread to the East.

The weather when we arrived was mostly sunny with a high of about 72°F. Throughout the day it got colder but at night it reached a low of 40°F. The next morning, 27 October 2012, was quite chilly. While checking traps, I wore a thick sweatshirt,

and a jacket. However, during the day, it warmed to mid 70's. At night, we sat close to the fire & told stories. It was very cold, low 40's. The final morning, 28 October 2012, was warm and sunny.

TRAPLINE & Map.



TRAPLINE - Ladder Ranch

Name: Andrea Jackson (ACT), Nichole R. Herrera (NRH)
Amber R. Howard (ARH)

Traps	Amount
Snap Traps	- 40
Shermans	- 40
Pitfalls	- ϕ
Museum Specials	- ϕ

Our trapline ~~was~~ started relatively close to our camp area. At the beginning, the forest floor was covered with dead leaves, and soft soil, ~~farther~~ along, w/ little overstory. Further along, the forest became more crowded with trees (cycamuses, and fallen trees). The forest floor had more grasses and shrubs. Interestingly we came to an area, close by the river, where there was a large, human size nest. Continuing along, next to the river, the ~~sea~~ riparian area has low grasses, soft soil, and few shrubs (about 3 1/2 ft tall). Lastly on our trapline, we ran into more decomposed leaf matter. Also, the further along the river we went, the area became more rocky.

Day 1: 26 October 2012

Total captures: Peromyscus - 6

Trap Success - $\frac{6}{80} = 7.5\%$

Species List (Group)

Bassarisus astutus

Drychomys leucogaster

Chaetodipus intermedius

Perognathus flavus

Dipodomys merriami

Peromyscus boylii

Eutamias dorsalis

Peromyscus leucopus

Mephitis mephitis (not caught at site)

Neotoma albigula

Thomomys bottae

Peromyscus maniculatus

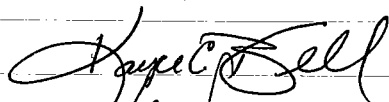
Other information - Ladder Ranch

This trip may have been the last, but it was the most rewarding. I cooked Christine, spaghetti with french bread, with Schyler hiphardt. I also got to work with teammates who were really cooperative and patient. Late in the day, we got to talk with a few folks who are working on the conservation of Box turtles, Bolson Turtles, and the Lobo pens. They were very informative and need help. Unfortunately, I wasn't able to help but I hope to work with them in the future. One more exciting thing, was we got to eat popcorn made over the fire, and ate critter stew.

Participant List

USA: New Mexico; Sierra County;
Ladder Ranch, 1 Km N 10 Km W of
Caballo; lat/lon 33.010615 °N &
-107.463669°W elev 1452m

Kayce C. Bell (KCB)



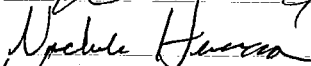
EVAN FAHY (EFF)



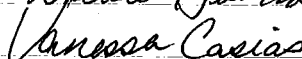
Amber Howard (ARH)



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Vanessa R. Casias



Schuyler Liphardt



Kerri Melornick (SKM)



Robert Mofchissey

Muriel Campbell

Leonardo Gutierrez (LGB)



Amber L West ALW Amber J. West

MW Westover (MLW) MW

Rosemary Steinberg (RKS) RKS

Heather Toman HT HMT

Michael Smith MJS MJS

Tenya Sensen TS Tenya Sensen

Amanda Jones Amanda Jones AKJ