

Mariela L.
Campbell
2015

New Mexico: Socorro County; Water Canyon,
Magdalena Mountains

10-11 October 2015

¹⁰
9 October

I left Senilleta yesterday afternoon after spending the morning helping out with rodent mark-~~ing~~ ^{mostly} recapture trapping at Five Points Larrea/grassland on Seth Newsome's stable isotope rodent diet/C3-C4/body condition research webs. Worked with Jenny Noble (grad student) and her crew, and collected some ectoparasites from the live / now anesthetized animals (not all ectos from each animal collected.)

Senilleta has virtually no fall annual bloom this year, despite good rains across state. Jenny says the rodent #'s have dropped since last year, but lots of parasites (ecto) this year on remaining animals, especially *Neotoma*. I couldn't catch most fleas, but certainly the *Dipodomys* & *Neotoma* had them. ~~Dear~~ *D. ordii* seemed to have most orange mites (on genitalia).

Coordinates for these webs:

Web 1: $34^{\circ}18.646'N$; $106^{\circ}41.819'W$, 1638m
 $\pm 3m$

Web 2: $34^{\circ}19.684'N$ $106^{\circ}41.911'W$
1640m $\pm 3.0m$

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NM: Sevilleta → Water Canyon

10 October
2015

Left Sevilleta ~1:30pm to drive to Water Canyon, Magdalena Mtns. to meet family. Day was exceptionally warm - in 70's. This area is recovering from statewide drought of last few years - town of Magdalena ran out of water. But Water Canyon is fairly lush from recent rains - abundant grass (seeding) + forb cover in canyon bottom. We are camped along dry creek in old campground; Forest Service has built a new campground up the hill to WSW. There is an old apple tree next to big fir by our campsite - former homestead? Canyon bottom vegetation is:

Narrow leaf cottonwood

Alligator juniper

Tree Oak Quercus cf. gambeli? large
or Quercus - live oak

Black Walnut

Box Elder

Monksuna
quail

Water
Canyon.

E/w facing slopes

Upland: pinon / juniper / ponderosa

up canyon: moving towards Doug fir / spruce / fir / aspen / meadow

higher up canyon + at top of mtn. → Langmuir Laboratory area. Lots of talus slopes higher

up. Also lots of tree (Doug fir / spruce)

mortality higher up in canyon (N ^{face} slope)

Due to recent drought / beetle / budworm?

Conditions ripe for fire.

NM: Socorro Co
Water Canyon, Magdalena Mtns

Traps out 10-11 October 2015.

28 Shermans - creek bottom/cottonwood/
PJ boundary

@ 5 paces
PB/oatmeal

Captures:

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2 Reithrodontomys megalotis
(along creek in herbaceous/
grass cover)

1 Peromyscus cf. leucopus

1 Peromyscus cf. boylii

4 captures / 28 traps = ~13%

Also heard rock squirrel + Tamias
s. variegatus

Deer, ringtail sign

Birds: Acorn wood pecker
W.B. nuthatch
R.C. Kinglet
scrub jay
R.S. Flicker
house finch

* *
+ Montezuma quail!
7-8 on
road up from
camp in
Canyon -
Madrean
influence
here

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Socorro Co:
Water Canyon

We drove up to top of mtn in afternoon - into old growth coniferous (Douglas fir/spruce/fir) forests, aspen, meadows, cinquefoil, talus. Aspens are turning. Not as much tree mortality here - most tree death is at lower elevations, below 10,000 ft.

We have old trapping webs here - I haven't been here since 1994-95^(96?) - probably the last time any of the webs have been trapped (by Yates mammalogy/^{NM} ~~hantavirus~~ hantavirus crew).

There is a trail head at ^{North?} South Baldy at crest before ^{closed} gate to labs - last turnaround. Camping area off side of road in forest before that.

Set traps (28 Sherman) back at camp on our return - along creek bed in cottonwoods/herbaceous^{grass +} cover + up along canyon bottom edge / transition with pinyon/juniper. Bait oatmeal/peanut butter, 5 paces apart.

Cool but not extremely cold - warmer than last night. No frost.

11 October









See captures previous page. Warm, sunny, beautiful day. Supposed to get to 80°F. Lots of black/red grasshoppers. Crickets calling last night.

M. L. Campbell
2015

New Mexico: Socorro Co.: Sevilleta National
Wildlife Refuge, Five Points Grasslands, ^{Lamar} Weber-2

10 October 2015

c = capture

- 1.1K  Dipodomys spectabilis ET R 1963 L 1958
♀ lact. 1 flea 70% ETOH cryo:al
(not all fleas collected)
- 1.4D D. ordii R 2295, L 2276
♀ preg. no ectos
- 1.1H Perognathus flavus 6354
♀ adult Non lact. no ectos
- 1.1J DIME ♀ no ectos
- 1.6L DIME ♀ "
- 1.7L  DIME ♀ ~~the~~ orange mites 70% genitalia
- 1.1L  DIOR ♀ 3 larval ticks engorged around anus
70% ETOH cryo
- 1.2G  DIOR ♀ orange mites genitalia 70% ETOH cryo
- 1.3L  DIOR ♀ " " " "
- 1.8L  DIME ♀ " " " "
- 1.8K  DIME ♂ seed ticks @ base of tail, ears
- 1.8G  NEAL ♂ 1 Flea (not all coll.)

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2015

New Mexico: Socorro Co; Sevilleta NWR;
Five Points Grassland/Larrea

10 Oct 2015



1.10K

Peromyscus flea 70% etohcno
cf boylii ~~4321-970~~ HF T Body
20-97-77

2.7K



DIOR ♀ mites genitalia 70% i.

2.5B



DISP flea 70% i.



2.5G

DISP ticks (larval 70%
genitalia/tail)

2.5L



DIME tick - genitalia -

2.8J



DISP tick scrotum

2.8K



DIOR larval ticks base of tail

2.11E



DISP ^{larval} ticks eyelids, ear, ~~base of~~ leg

2.11S



DISP engorged tick (eye) & flea ^{embedded on} nose