NM: Socorro Co. : North East Lasrooms.
elev. 1710 m.

Ojo Salado\textsuperscript{\textcopyright} - 1st Sept. 1997.
location: 34° 31.196 'N, 107° 09.003 'W.

The location is north of Lodore peak and on the east side of the north projecting ridge. There is a house next to a creek with running water (east-west) and on the north side is a ruin.

\begin{itemize}
  \item \textbf{NORTH}
  \item \textbf{30 ft net}
  \item \textbf{18 ft net}
\end{itemize}

\begin{itemize}
  \item Line 2 - 39 traps
  \item JK
  \item Line 3 - 20 traps
  \item AGH.
\end{itemize}

\begin{itemize}
  \item Line 2 - 40 traps
  \item AGH.
\end{itemize}

\begin{itemize}
  \item 10 traps.
  \item Home
  \item 12 traps.
  \item 18 traps.
\end{itemize}
People: Andrew G. Hope:
- Line 1: 2 Perognathus flavus (1 S.A.) (0.586)
- Line 2: 1 Peromyscus ? (0.586)
- Line 3: 2 Peromyscus ?
  2 Neotoma albigula (0.586)

John B. Kendall:
- Line 1: nothing (1.586)
- Line 2: 3 Peromyscus ?
  2 Dipodomys merriami
  1 Neotoma albigula
  1 Chaetodipus intermedius (0.586)
1st. Sept. 1997

The purpose of the trip was jointly to trap for P. maniculatus and for bats.
2 mist nets were set over the creek. 1 was 15 ft. and 1 was 30 ft.
Species caught: 7 Tabanidae - Brazilian Free-tail
1 Lasiusus canus - Hoary Bat
1 Myotis ciliolabrum - Small Footed Myotis

Vegetation: Tamarack (salt cedar) along the creek.
Very few juniper trees - Mesquite patchy.
Succulent grass and other grasses present and the whole area is grazed by cattle.

Conditions: We arrived at 8:00 PM and it was almost dark. Clear starry sky and a fair breeze. No rain. Cool temperature.

Notes: All the Heteromyids and Neotoma were released on site. The Peromyscus were kept for identification. None were P. maniculatus. (Perhaps P. eumenius?). All traps collected by 8:30 AM.

Total: 143 trap nights
USA: NM: Socorro Co; Sevilleta NWR; Hantavirus enclosures; Northern arroyos.
(totals: 240 trap nights)

14th Oct. 1997: The purpose of the trip was to search for Peromyscus spp. mice near to the enclosures where they have been found before. Especially for P. leucopus. Days were warm and sunny with little wind but nights were clear and at roughly freezing temperatures.

Caught:
- 10 Dipodomys - (2 D.I.T.)
- 7 Chaetodipus intermedius - (1 D.I.T.)
- 2 Perognathus flavus - (1 D.I.T.)
- 1 Onychomys leucogaster
- 1 Neotoma albigula

15th Oct. 1997: Caught:
- 11 Dipodomys - (1 D.I.T.)
- 6 Chaetodipus intermedius
- 3 Neotoma albigula
- 2 Perognathus flavus
- 1 Onychomys leucogaster

All mice were released where found as no Peromyscus were found.

The traps were set by Will Callaghan and Andrew G. Hope on 13th Oct. 1997. There were 2 lines of 40 Sherman traps and 2 lines of 20 Sherman traps situated along the main arroyo North...
14th-15th October 1997.

of the Mantarraya enclosures and along a large embankment in the middle. Traps were at all levels from the arroyo bed to the bank tops.
USA, NM: Socorro Co; Socilleta NWR; Field Station.

20th October → 7th November 1997

On the 19th October 1997 after getting back from the annual Magdalena trip, the 7 caged mice in the lathe house were either released or eaten probably by a raccoon. The 7 P. maniculatus brought back from the Magdalenas were all O.K. as they remained in traps. However they were in cages on the 20th Oct. 1997 and all disappeared that night from the lathe house. The next day 40 Sherman traps were set by A.P. Hope in a web form around the lathe house to try and recover mice. Also 4 Havahart traps were set inside to try and catch what was disturbing the mice. There were set for 4 nights but nothing was caught.

(Dots represent traps)

P. maniculatus caught here

reed beds

North

Bank

Road

Lathe House
20th October 1997 → 7th November 1997

The 40 Sherman traps yielded many mice and rats including Neotoma algirus near the Lathe House, Apodemus spp. all over, a couple Crinomys leucogaster and Perognathus flavus, many Sigmodon hispidus mostly found around the reed beds. 4 of these were killed and blood and tissues were taken. Also Peromyscus leucopus were abundant everywhere except on the South side. Many were caught over the extended trapping period but some were caged for the enclosures but an exact count is not given as several were released due to lack of cages and not all were tagged. Recaptures are probable probable. On Wednesday 23rd October traps were set. On Tuesday 27th Oct. a P. manuelensis native to the Scutella was caught at the site shown on the diagram. There is speculation they may be moving up from La Jolla pond. Also a Magathan P. manuelensis was recaptured near this pond. Therefore 50 more Sherman traps were set in the area to saturate it and try to catch more. None yet have been found but more P. leucopus and P. nanus were found. Trapping continues. (Today's date is 5th of November 1997.)
Also on Monday 20th, Oct. 1997, 78 Sherman traps were set near arroyos to the immediate south of the field station behind the top houses looking for P. maniculatus where they have been previously found. This area was trapped for 3 nights and then the traps were moved to saturate the lath house area as stated.
20th October 1997 → 7th November 1997

Both *P. leucopus* and *P. peromyscus* were caught in the upper area near the abbey, along with other mice and rat species already mentioned. (also *Clethrionomys*) The *P. peromyscus* mice only were kept.

On Sunday 2nd November 25 Sherman traps were set on the roofs of the lower caused field station houses. 5 traps to each house, John Dewitt's house and house 1 → 4. After 3 nights of trapping, 17 *P. peromyscus* mice were caught. All either *P. leucopus* or *P. peromyscus* (but possibly one was a Magdalenia *P. maniculatus*)

<table>
<thead>
<tr>
<th></th>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. D.'s house</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>house 1</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>house 2</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>house 3</td>
<td>1</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>house 4</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

House 4 were *P. leucopus*
House 3 were *P. peromyscus* as were houses 1 and 2 and J. D.'s house were *P. leucopus*.
(This is not dead certain but a rough generalisation from what memory serves)

18 *P. peromyscus* mice are currently in captivity. They will be ear-tagged, bled, pit-tagged and released to the enclosures before move are collected.
<table>
<thead>
<tr>
<th>Date</th>
<th>Mice caught on roofs of Sevillea Houses</th>
<th>House 2</th>
<th>House 1</th>
<th>J.D.'s House</th>
<th>NB. 12. Other mice were caught on these roofs but as no space was available to hold them, they were released. See previous pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>20th October</td>
<td>7th Nov. 1997</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>House 4:</td>
<td>NK 76738 PMLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NK 76739 PMLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NK 76742 PMLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>House 3:</td>
<td>NK 76741 PMER</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>House 1:</td>
<td>NK 76740 PMLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>J.D.'s House</td>
<td>NK 76726 PMLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Mice caught near Lake House at 20th Oct 1997 → 7th Nov 97 Seminole NWR (mostly north of Lake House)

NK 76735 PMLE
NK 76736 PMLE
NK 76737 PMLE
NK 76743 PMLE
NK 76744 PMLE
NK 76745 PMLE
NK 76746 PMLE
NK 76747 PMLE
(NK 76748 PMBL caught at site Two-22)
NK 76749 PMLE
NK 76750 PMMA
(NK 76751 PMBL caught at site Two-22)
NK 76752 PMLE
NK 76771 PMLE
USA: NM: Socorro Co; Sevilleta NWR; Field Station

9th November 1997

On the 9th Nov. 1997 2 lines of traps were set by A&H east of the field station and heading down towards LeJoya game refuge. Each line containing 40 live Sherman traps. Line 1 was lowered down near a large arroyo and about 60 m south of the southern tip of Sevilleta NWR. Line 2 was on higher ground further south. Both on fairly open ground with sandy soil and some gravel areas. Sparse juniper bushes, mesquite and other small shrubs and grasses

On the 10th November 1997 line 3 containing 27 Sherman traps was set further east from the end of line 2. It started high and went to lower ground ending about 100 m from the interstate highway. Also a line of 36 Sherman traps (Line 4) was set starting behind house 4 and heading west along arroyos. The following pages show the capture results. Line 1 produced Peromyscus mice that were previously caught on Sevilleta NWR's web 3. Apart from a D.I.T., these mice were released back as they were considered part of the mark-recapture project. Also a Peromyscus maniculatus from web 1 was caught and kept as it was further away.
9th November 1997

Captures from 10th Nov. 1997:

<table>
<thead>
<tr>
<th>Species</th>
<th>Line 1</th>
<th>Line 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipodomys spp.</td>
<td>5, 9, 10, 11, 12, 20, 26</td>
<td>5, 6, 7, 8, 13, 30, 35, 40</td>
</tr>
<tr>
<td>Perognathus flavus</td>
<td>19, 34, 37</td>
<td>4, 22</td>
</tr>
<tr>
<td>Neotoma albigena</td>
<td>22, 30</td>
<td>14, 36</td>
</tr>
<tr>
<td>Peromyscus leucopus</td>
<td>21 (D.I.T.), 32</td>
<td>37 (D.I.T.)</td>
</tr>
<tr>
<td>Peromyscus occidentalis</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>Peromyscus truei</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>Sigmodon hispidus</td>
<td></td>
<td>2, 3</td>
</tr>
</tbody>
</table>

(N.B. numbers above indicate trap numbers)

Line 1 - Trap 27: PMER NK76320 ET3328♂ released.
Line 1 - Trap 28: PMTR NK76728 ET3595♂ released.
Line 1 - Trap 32: PMLE NK76733 ET3594♀ released.
Line 2 - Trap 2: SIH1 NK767607 ET3613♀ released.
Line 2 - Trap 3: SIH1 NK76766 ET3612♀ released.

Captures from 11th November 1997:

<table>
<thead>
<tr>
<th>Species</th>
<th>Line 1</th>
<th>Line 2</th>
<th>Line 3</th>
<th>Line 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipodomys spp.</td>
<td>5, 7, 10, 13, 15, 18, 20, 25, 38</td>
<td>3, 4, 7, 8, 12, 28, 30</td>
<td>25</td>
<td>2, 9, 12, 13, 17, 18, 30, 35, 36</td>
</tr>
<tr>
<td>Perognathus flavus</td>
<td>14, 36</td>
<td>20, 32</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Neotoma albigena</td>
<td>22</td>
<td>35, 9, 13, 22</td>
<td>22</td>
<td>5</td>
</tr>
<tr>
<td>Perognathus flavescens</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Onychomys leucogaster</td>
<td>23</td>
<td></td>
<td>3</td>
<td>27</td>
</tr>
<tr>
<td>Sigmodon hispidus</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peromyscus leucopus</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
9th November 1997

Captures from 11th Nov. 1997. (Cont.):

<table>
<thead>
<tr>
<th>Species</th>
<th>Line 1</th>
<th>Line 2</th>
<th>Line 3</th>
<th>Line 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peromyscus eremicus</td>
<td></td>
<td></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Peromyscus maniculatus</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(numbers above indicate trap numbers).

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Line 3 - Trap 27 PMLE NK 76764 ET 3615</td>
<td></td>
<td></td>
<td></td>
<td>2 to enclosures S.E.</td>
</tr>
<tr>
<td>Line 4 - Trap 15 PMER NK 76763 ET 3614</td>
<td></td>
<td></td>
<td></td>
<td>1 to enclosures S.E.</td>
</tr>
<tr>
<td>Line 2 - Trap 1 PMMA NK 76734 ET 3579</td>
<td></td>
<td></td>
<td></td>
<td>1 to enclosures S.E.</td>
</tr>
</tbody>
</table>

Again only Peromyscus mice that are caught for the first time or are far away from the webs are kept. They are processed and released to the enclosures. The Sigmodon cotton rats were bled to check for diseases and then released. There seems to be (from trapping experience) a large and stable population of Sigmodon hispidus north of the Lath House in that wetland reed area.

Captures from 12th November 1997:

<table>
<thead>
<tr>
<th>Species</th>
<th>Line 1</th>
<th>Line 2</th>
<th>Line 3</th>
<th>Line 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipodomys spp.</td>
<td>4, 5, 9, 11, 13, 17, 18, 39.</td>
<td>5, 8, 12, 13, 29, 30.</td>
<td>1, 6, 25.</td>
<td>8, 10, 11, 17, 18, 26, 28, 29, 35, 36.</td>
</tr>
<tr>
<td>Neotoma albicula</td>
<td>20.</td>
<td>36.</td>
<td>3.</td>
<td>19, 30.</td>
</tr>
</tbody>
</table>
9th November 1997

Captures from 12th November (Cont.):

<table>
<thead>
<tr>
<th>Species</th>
<th>Line 1</th>
<th>Line 2</th>
<th>Line 3</th>
<th>Line 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perognathus flavus</td>
<td>16</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perognathus concinus</td>
<td>29</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Onychomys leucogaster</td>
<td>23</td>
<td>25</td>
<td></td>
<td>37</td>
</tr>
<tr>
<td>Peromyscus leucopus</td>
<td>25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peromyscus truji</td>
<td>26</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peromyscus ornatus</td>
<td>28</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reithrodontomys megalotis</td>
<td></td>
<td>17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sigmodon hispidus</td>
<td>3, 2 (x2)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(The numbers indicate trap numbers.)

The 3 Peromyscus mice caught on 12th Nov. on Line 1 are all recaptures from the previous day and they were caught first on
10th Nov.

The Reithrodontomys caught was almost certainly megalethys as the tail did not have the striking bicolor of the R. montanus
and it seemed larger.

Results from the final day of trapping on Line 3 & 4 were unfortunately thrown out by the cleaners but no Peromyscus were
captured. Mainly Dipodomys, Neotoma and Perognathus with a single Onychomys, too.

Fewer mice overall on the 13th Nov. as it was windy and rainy the night of the
12th of Nov.

Total: 435 trap nights
Over this period 6 lines of Sherman traps were set on these 2 sites, totaling 225 traps over three nights. Total: 675 trap nights.

Line 1: Was set on the Acosta residence (Jesus Acosta - tel: 835-3961). The line contained 25 traps. 20 traps were set around wood piles in the front of the house and 5 traps were set near a small pig sty behind the house where apparently there was a supply of grain. Very little was caught over the 3 nights. Most probably this was due to the fact that there were 3 cats living at the house.

Night 1: No mice caught. 3 traps S.B.E.
Night 2: Mus musculus - trap 12 (×2) 2 traps S.B.E.
Night 3: Mus musculus - traps 17, 18. 2 traps S.B.E.

Line 2: Was set on the Moeller Ranch (Dr. Fritz A. Moeller - tel: 505 835 3866). The line contained 40 traps set on both sides at various heights of an irrigation ditch running east-west. The ditch was almost totally dry with very little
17th – 20th November 1997

Vegetation apart from straw and grass stubble along the sides.

Night 1: Nothing caught. 3 traps S.B.E.

Night 2: *Peromyscus leucopus* - trap 21
    2 traps S.B.E.

Night 3: *Peromyscus leucopus* - traps 21 + 22
    3 traps S.B.E.

Line 3: Was set on public ground in and along a ditch at the side of the road near I25 running north-south. The undergrowth was dense with many shrubbery, thick grasses, and small trees. The ground must have contained a good amount of moisture. Cotton rats were by far the most prominent species and trap success was high. A total of 40 traps were in the line.

Night 1: *Peromyscus leucopus* - traps 2, 3, 5, 14 + 16.  
*Sigmomys hisprus* - traps 6, 8, 10, 17, 22, 23, 24, 26, 27, 28, 30, 31, 32, 33, 35, 36, 39, 40.  
*Reithrodontomyys megalotis* - traps 11, 12, 15, 18, 34.  
*Mus musculus* - trap 37.

1 trap S.B.E. Total: 29/40 success.

⇒ P.T.O.
17th - 20th November 1997

Night 2: *Peromyscus leucopus* - traps 1 and 10.
*Sciomys hispidus* - traps 6, 7, 8, 9, 11, 13, 14, 15, 17, 19, 22, 23, 24, 25, 27, 28, 29, 33, 34, 36, 37, 38, 40.
*Mus musculus* - trap 39.
3 traps S.B.E. Total: 28/40 success.

Night 3: *Peromyscus leucopus* - traps 1, 3, 12.
*Sciomys hispidus* - traps 2, 7, 8, 10, 13, 14, 15, 17, 18, 20, 22, 23, 25, 26, 27, 28, 29, 30, 31, 32(x2), 33, 36, 37, 38, 39, 40.
3 traps S.B.E. Total: 29/40 success.

It might be interesting to note that all the *Peromyscus* were caught within the first 16 traps on the line. It was perhaps slightly dryer in this area with more shrubs and less grass but not really significantly different.

(40 traps in line)

**Line 4:** - Was set on the Mollier ranch along the top of a ditch on the edge of heavy wooded plant cover. It ran east-west and was inside a field with cattle. The plants were very tall crop grasses on the verge and then bushes behind them. There were alot of S.B.E.'s so perhaps the cows were tampering abit.
17th - 20th November 1997

Night 1: Peromyscus leucopus - traps 7, 9, 27, 28, 33, 35, 40.
Mus Musculus - traps 11 + 36.
8 traps S.B.E.

Night 2: Peromyscus leucopus - traps 3, 34, 38, 40.
Reithrodontomyx megalotis - trap 11.
Neotoma albigula - traps 13 + 23.
Mus musculus - traps 36 + 39.
6 traps S.B.E.

Night 3: Peromyscus leucopus - trap 38.
Reithrodontomyx megalotis - traps 7 + 26.
Sigmodon hispidus - trap 5.
Mus musculus - traps 28, 31, 33, 34, 39.
14 traps S.B.E.

Line 5: Was set the other side of a high bank from line 4 also facing east-west. There was no ditch on this side and 40 traps were set along the verge of dense high crop grasses in a field that wasn't being grazed.

Night 1: Peromyscus leucopus - traps 10 + 34.
Reithrodontomyx megalotis - traps 3, 9, 25, 31.
Sigmodon hispidus - traps 5, 32, 33.
Mus musculus - traps 11, 21, 22.
2 traps S.B.E.
17th to 20th November 1997

Night 2: Reithrodontomys megalotis - traps 22, 23, 28, 29.
Spermophilus bairdii - traps 1, 8, 16, 20, 24, 26, 31, 32, 33, 38, 40.
Mus musculus - trap 30.
15 traps S.B.E.

Night 3: Reithrodontomys megalotis - trap 24.
Spermophilus bairdii - traps 17, 21, 27, 28, 33, 34, 38, 40.
Mus musculus - traps 9, 25, 26, 31.
24 traps S.B.E.

It is interesting to note that so many traps were S.B.E. on the last 2 nights, most of which were in the first 20 traps on the line. Very possibly a larger animal was moving down the trap line and setting off traps. (Skunk?)

Line 6: Was set on the same field as Line 5, but on the east side against a large bank running north-south. The first 20 traps were set along the base and east-west side of the bank, while the other 20 traps were set along the top of the bank, probably about 3 meters high. The side of the bank was open and grassy with a few shrubs. The top was covered with fairly dense weeds on a dirt floor.
17th - 26th November 1997

*Reithrodontomys megalotis* - traps 4 - 10.
*Mus musculus* - traps 19, 24, 35, 36, 39, 40.
3 traps S.B.E.

*Reithrodontomys megalotis* - traps 2, 27, 29.
*Sigmodon hispidus* - trap 15.
*Mus musculus* - traps 3, 12, 16, 17 (d.T.x2),
19, 21, 22, 24, 26, 33, 36, 37, 38, 40.
2 traps S.B.E.

Night 3: *Peromyscus leucopus* - traps 29, 30, 35.
*Reithrodontomys megalotis* - trap 11.
*Sigmodon hispidus* - traps 16 - 38.
*Mus musculus* - traps 3, 4, 15, 19, 32, 33, 34,
37.
7 traps S.B.E.

Over all 207 mice were caught over the 3 nights. All nights were fairly clear with few clouds, and the moon was roughly half full. The temperature was roughly freezing point (0°C) all nights.

---

Most *peromyscus* were kept and put into the enclosures (see mouse list). All others were released on site.
17th-20th November 1997

NORTH

Line 1
@ 1/2 mile on right

ROAD (DIRT)

Line 2

Line 3

DITCH

Line 4

DITCH

Line 5

Line 6

BANK

FIELD (with cattle)

TRAP

TRAP

TRAP

TRAP

TRAP

BANK
USA: N.M.: Socorro Co.: La Joya State Game Refuge.

(* NB. 4 of these Peromyscus mice were found positive for hanta virus.
Travel Log to the trapping sites: ~

Mileage
0.0
0.2
0.9
1.5
2.5
2.6
3.9
4.2

Sevilleka Gate → La Joya Game Refuge
Turn R. onto road
Turn L. at T-junction
Turn R. at railroad
Turn L. over railroad.
Turn R. at open area keeping ditch to the left.
Beehives on R.
Stop at double strainer post where fence on right veers away from the road.

This trapping period was for 2 nights with 4 lines of traps totalling 140 Sherman.
Total: 280 trap nights.

All traps were set in "La Joya" with the majority in the location as described above. (3 lines of 40 traps).
The 4th line with 20 traps was set at the site of an old house overlooking La Joya game pond.

Andrew G. Hope & G. Malcolm Hope ran all the traps.
23rd Nov. → 25th November 1997.

Line 1: Was set on the edge of Tamarruk trees and amongst willow shrubs. It faced North–South and contained 40 traps. Ground was generally fairly damp beneath surface of dirt/sand.

Night 1: Sigmodon hispidus - trap 6.
Dipodomys ordii - traps 21, 22, 27, 28.
3 traps SBE.

Night 2: Dipodomys ordii - traps 26, 27, 28
Reithrodontomygus megalotis - trap 7, 14
1 trap SBE.

Line 2: Set in the same location but facing east–west. Contained 40 traps.

Night 1: Peromyscus leucopus/maniculatus - traps 36, 40
1 trap SBE.

Night 2: Peromyscus leucopus/maniculatus - traps 11, 21, 39, 40
Reithrodontomygus megalotis - trap 35
1 trap SBE.

Most of the Peromyscus were caught in the latter few traps set in salt cedars.
23rd Nov - 25th November 1997
Where as the most of the traps were in willows areas. Also, the Peromyscus caught in all lines could be either
line P. leucopus or P. maniculatus. At this stage identification was very tricky (thought to be possible hybridisation).

Line 3: set in same location but facing North-south and south of
line 1. Contained 40 traps.

Night 1: Peromyscus leucopus/maniculatus
3 traps S.B.E.

Night 2: Peromyscus leucopus/maniculatus
- traps 11, 23, 26, 28
Dipodomys ordii - trap 29
Reithrodontomyys megalotis - trap 36
2 traps S.B.E.

Line 4: Contained 20 traps set
above (west) of La Joya pond at
the site of an old house. Mesquite,
juniper, tumble weed were the major
plants. Very high success rate and
many Peromyscus mice. Probably they are
mostly P. maniculatus.

Night 1: Peromyscus maniculatus - traps 2, 3, 6, 7,
8 (d.t), 9, 10, 13, 17(d.t), 18, 20.
23rd → 25th November 1997

Night 1 (cont.):
- Neotoma albigulara - trap 11.
- Sigmodon hispidus - trap 12.
- Dipodomys merriami - traps 14, 16.
- Reithrodontomys megalotis - trap 15.
- 1 trap S.B.E.

Night 2:
- Peromyscus maniculatus - traps 2, 3, 4, 7, 8, 13, 14, 16, 18 (x2), 20.
- Neotoma albigulara - traps 1, 5, 6.
- Dipodomys merriami - traps 17, 19.
- Sigmodon hispidus - trap 9.
- 3 traps S.B.E.

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fence to Sec. Nick S.
4th Year Project:

Commencing 26th January 1998.
Starting specimens at NK 42399 → 42500

26th Jan 1998: Arr. set 20 snap traps just South of the SNWR parking lot. This was preliminary trapping in order to establish the correct procedures for the main trapping efforts. 2 mice caught in 20 traps.

27th Jan 1998: Trap 2: Dipodomys merriami, NK 42400
Trap 20: Peromyscus leucopus, NK 42399

Both caught in large sized traps. Cheek pouch and stomach contents were taken appropriately and stored in small vials with ethanol (EtOH 70%). The bodies were tagged and frozen.

First Trapping Period:
Lower Goat Draw. Juniper savannah habitat.

Total of 120 snap traps set. (60 small, 60 large). 30 of these were set in one area. Half of these were set on a north-west facing ridgeline. There were 15 stations of 2 traps at each, one of each size. These stations were placed in random positions at a 20 m intervals in a triangular formation.
27 Jan 1993 (cont.)

The next 30 traps were set in a similar formation on the opposite side of the road.

Further up the road 2 more triangles of traps were set to make 120 traps total in this habitat.

Cerro Montoso - Pinon/Juniper habitat

60 traps set. (30 large, 30 small) half of the total for this habitat.

30 traps set in a linear formation on a north-east/west facing shallow slope.

The other half were set in a flatter area of the same habitat also in a line.

28 Jan 1993

60 more traps were set a little higher up in the same habitat. 30 in a line on one side of road and 30 on the other. (Again both sizes used).

Bosque Forest - Cottonwood/Fir/Aspen habitat

120 traps of both sizes were set on the west bank of the Rio Grande in the Bosque near Bernardo. All were in the same line.
28th Jan 1998 (Cont.)
The catch from the night before are as follows:

Goat Draw:  
- *P. truei* - 6
- *N. allegula* - 3
- *P. leucopus* - 17
- *R. magadore* - 6
- *O. artemisa* - 3

Cerro Mottoso:  
- *P. truei* - 4
- *P. boylii* - 5

29th Jan 1998:  
All the traps in the Bosque were removed and all the traps in Goat Draw were also removed except for 8 which were placed to try and catch more ONAR + NEAL.

5 Points Grass - Desert grassland habitat
120 traps were set in 2 lines of 60 traps (30 stations in each), each station at ~20 paces apart.

5 Points Larrea - Creosote scrub habitat
120 traps were set in 2 lines of 30 stations, one on either side of the road. Stations at ~15 paces apart.

The catch from the night before are as follows:

Bosque Forest:  
- *P. leucopus* - 23

> P.T.O.
29th Jan 1998 (Cont.)

<table>
<thead>
<tr>
<th>Species</th>
<th>Goat Draw</th>
<th>Cerro Montoso</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>P. truei</em></td>
<td>11</td>
<td>6</td>
<td>17</td>
</tr>
<tr>
<td><em>N. albignata</em></td>
<td>1</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td><em>P. leucopus</em></td>
<td>19</td>
<td>1</td>
<td>36 (+2)</td>
</tr>
<tr>
<td><em>P. megalepis</em></td>
<td>7</td>
<td>13</td>
<td>20 (+1)</td>
</tr>
<tr>
<td><em>O. arenicola</em></td>
<td>4</td>
<td>7</td>
<td>11</td>
</tr>
<tr>
<td><em>D. merriami</em></td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

30th Jan 1998.

All the Cerro Montoso and remaining Goat Draw traps were removed.

Field Station - Mesquite scrub habitat
120 traps were set in 2 lines of 30 stations to the immediate South of the Field Station.

Catch from the night before was as follows:

<table>
<thead>
<tr>
<th>Species</th>
<th>Goat Draw</th>
<th>Cerro Montoso</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>P. leucopus</em></td>
<td>2</td>
<td>9</td>
<td>11</td>
</tr>
<tr>
<td><em>O. arenicola</em></td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

Cerro Montoso: *P. truei*: 6

Field Station:

<table>
<thead>
<tr>
<th>Species</th>
<th>Goat Draw</th>
<th>Cerro Montoso</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>P. truei</em></td>
<td>6</td>
<td>6</td>
<td>12</td>
</tr>
<tr>
<td><em>P. boylii</em></td>
<td>9</td>
<td>9</td>
<td>18</td>
</tr>
<tr>
<td><em>P. megalepis</em></td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td><em>O. arenicola</em></td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td><em>N. albignata</em></td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td><em>P. leucopus</em></td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

5 Points Grass: *O. arenicola*: 4

*D. ornii*: 3
30 Jan 1998 (cont)

5 Points Larrea: P. leucopus - 3
O. arenicola - 2
D. merriami - 1

31 Jan, 1998. All of the 5 Points traps in both habitats were moved due to low capture rates. They did however remain in the same habitat and area.

Results from the night before are as follows:
5 Points Grass: O. arenicola - 1
D. ordii - 2
5 Points Larrea: O. arenicola - 2
P. leucopus - 2
Field Station: N. albignula - 7
D. merriami - 5
P. eremicus - 1
P. truei - 1
R. megalops - 1

1st Feb 1998: Results from night before:
5 Points Grass: O. arenicola - 5
D. ordii - 3
5 Points Larrea: O. arenicola - 1
R. megalops - 1
Field Station: D. merriami - 5
N. albignula - 2
D. ordii - 2
R. megalops - 1
O. leucogaster - 1
Trapping Period 1
Jan. 1998

S. Points Grass:

S. Points Lane:

Field Station:

(both roughly follow arroyos)
2nd Feb 1998: Results from night before:

<table>
<thead>
<tr>
<th>Species</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Dendroctonus</em></td>
<td>2</td>
</tr>
<tr>
<td><em>Oreuscola</em></td>
<td>1</td>
</tr>
</tbody>
</table>

Total for period: 10

5 Points Grass:
- *Oreuscola*: 0
- *Dendroctonus*: 2

5 Points Larrea:
- *Oreuscola*: 0
- *Dendroctonus*: 0
- *Pityogenes*: 0
- *Pityogenes leucopus*: 1
- *Dendroctonus cerambycoides*: 0

Field Station:
- *Oreuscola*: 1
- *Dendroctonus*: 5
- *Pityogenes*: 1
- *Pityogenes leucopus*: 1
- *Dendroctonus cerambycoides*: 0

Total: 11

3rd Feb 1998: Results from night before:

<table>
<thead>
<tr>
<th>Species</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Oreuscola</em></td>
<td>2</td>
</tr>
<tr>
<td><em>Dendroctonus</em></td>
<td>1</td>
</tr>
</tbody>
</table>

Total: 5

Field Station:
- *Oreuscola*: 0
- *Dendroctonus*: 0
- *Pityogenes*: 0
- *Pityogenes leucopus*: 0
- *Dendroctonus cerambycoides*: 0

Total: 5

*Allogala*: 3
*Pityogenes*: 0
*Pityogenes leucopus*: 0
*Pityogenes truei*: 2
*Pityogenes flavus*: 1
*Dendroctonus ordii*: 2
GPS: N34°19.681, W107°05.600, 1680m.

The Box  20th March 1998.
USA: NM; Socorro Co.; The Box (West side)  
TOTAL: 560 trap nights.

Arrived on the 19th March 1998 in search of Peromyscus maniculatus and other Peromyscus mice for the U.M.A. enclosures.

Total of 280 traps set for first night.

People: A.G. Hope, John Kendall, Jason Button, Robert Nofelissey, Paul Campbell.

Results from first night: (died)

(80 traps) A. Hope: Line 1: T13 PM30, T26 PMTR (died), Line 2: T9 PMTR, T7 PMTR (died)

and 4 more PMTR

2 NEAL

(40 traps) Robert: Line 1: 7 PMTR, 1 DIOR (died)

(80 traps) Jason: Line 1: 2 PMLE, 1 DIOR.

Line 3: 1 PMER

1 PMTR (died)

Line 4: 2 PMTR, 1 DIOR.

Line 5: 1 PMMA? (died)

Line 6: 1 PMMA? (died)

Line 7: 1 PMMA?

2 PMTR - (died)

Line 8: 1 PMTR.

Line 2: 2 NEAL.
On the second night, 360 traps were set. The original 800 traps remained in the same place.

**Results:**

- **AG. Hope:** Line 1: 5 PMTR, 2 PMLE, 2 NEAL
  - Line 2: 1 PMTR, 2 DIME, 1 CHIN
  - Line 3: 10 PMBO, 3 NEAL, 1 CHIN

- **Jason:** Line 1: 1 DPO, 1 PMLE
  - Line 2: 1 PMTR, 2 NEAL
  - Line 3: 1 DPO, 1 PMBO
  - Line 4: 2 PMTR, 1 DPO, 1 NEAL
  - Line 5: 1 PMTR
  - Line 6: 1 PMLE
  - Line 7: nothing
  - Line 8: 2 PMLE, Line 9: 2 PMTR

- **Robert:** Line 1: 7 PMTR, 1 PMLE
  - Line 2: 6 PMTR, 3 PMLE, 3 NEAL, 3 DPO

- **John:** Line 1: 1 PMER, 1 PGFV, 1 CHIN, 1 NEAL, 5 DPO

None of the suspected PMMA were. They all turned out to be PMLE. All the PMTR killed for museum collections. All PMBO used for laetarianus passage experiments.
USA: NM: Socorro Co.; Sevilleta NWR; Sevilleta Field Station. 6th April 1998.

This was another attempt to find PMMA's. (to no avail). 120 traps were set for 2 nights giving TOTAL: 240 trap nights.
Line 1: 80 traps. First half in a steep rocky area. Second half in hilly, sometimes rocky mesquite/shrubland.
Line 2: 40 traps. All set in mesquite/shrubland.

Results: Night 1:
Line 1: 5 Dipodomys spp., 4 CHIN, 5 PMER, 3 NEAL, 1 REMG, 1 NAR.
Line 2: 10 Dipodomys spp., 1 NEAL, 1 REMG, 1 ONLE.

Night 2:
Line 1: 3 REMG, 8 PMER, 5 NEAL, 1 NAR, 5 CHIN, 6 DIME, 1 PGFV.
Line 2: 8 DIER, 5 DIME, 2 PMER, 1 REMG, 1 ONLE, 1 NEAL, 1 PMTR, 1 PGFV.

This trip was for 1 night to locate for PMMA and trap bats at the same time.

Andrew G. Hope
John B. Kendall.

No bats were caught but calls in the 50 kHZ range were recorded.
Each person had a line of 60 traps giving
TOTAL: 120 trap nights.

Results: AGH: 4 DIME, 8 PMLE, 1 NEAL, 1 PMER, 2 PMBO, 1 PMTR.
JBK: 9 DIME, 2 CHIN, 2 PMTR, 1 PMLE.