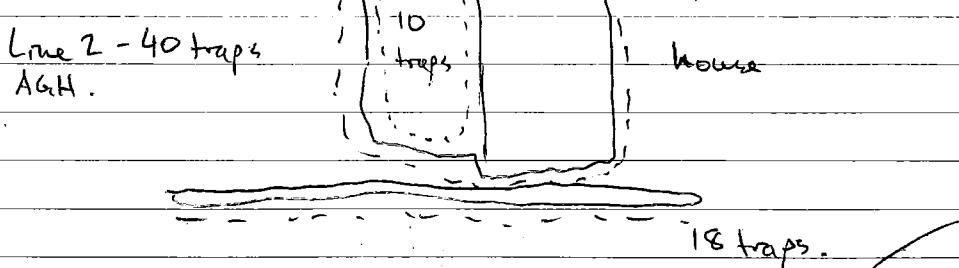
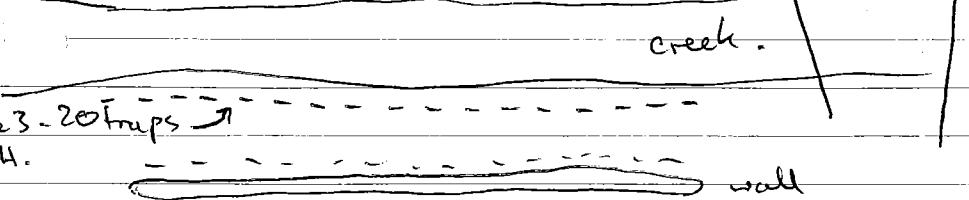
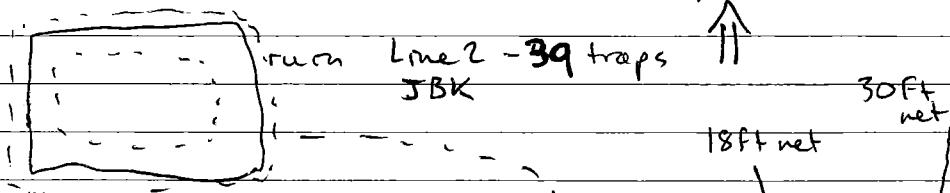


Andrew G. Hope

NM: Socorro Co. ; North East Ladron Peak
elev: 1710 m.

Ojo Salado - 1st Sept. 1997.
Location: 34° 31.196' N, 107° 09.003' W.

The location is north of Ladron 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 run. NORTH ↑



Andrew G. Hope

1st Sept. 1997

NORTH



creek.

house.

road.

Line 1 - 39 traps.

AGH

Line 1 - 5 traps.

JBK

People: Andrew G. Hope:

- Line 1 : - 2 Perognathus flavus (1 S.A.) (O-SBE)
- Line 2 : - 1 Peromyscus ? (OSBE)
- Line 3 : - 2 Peromyscus ?
2 Neotoma albigena (O-SBE)

John B. Kendall:

- Line 1 : - nothing (1 SBE)
- Line 2 : - 3 Peromyscus ?
2 Dipodomys merriami
- 1 Neotoma albigena
- 1 Chaetodipus intermedius (O-SBE)

Andrew G. Hope

1st. Sept. 1997

The purpose of the trap was jointly to trap for *P. maniculatus* and for bats.

2 mist nets were set over the creek, 1 was 18 ft. and 1 was 30 ft.

Species caught: 7 *Tadarida brasiliensis*: Mexican Free-tail

1 *Lasiurus evotis*: Hoary Bat

1 *Myotis ciliolatum*: Small footed Myotis.

Vegetation: Tamarack (salt cedar) along the creek.

Very few juniper trees. Mesquite patchy.

Snake 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 ~~Hesperomys~~ Heteromysids and Neotoma were released on site. The *Peromyscus* were kept for identification. None were *P. maniculatus*. (Perhaps *P. eremicus*?).

All traps collected by 8:30 AM.

Total: 143 trap nights

Andrew G. Hope

(USA: NM: Socorro Co; Sevilleta NWR;

Hantavirus enclosures; Northern arroyos.

(total: 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. maniculatus. 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 albigena.

15th Oct. 1997: Caught:

11 Dipodomys - (1 D.I.T.)

6 Chaetodipus intermedius

3 Neotoma albigena

2 Perognathus flavus

1 Onychomys leucogaster.

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

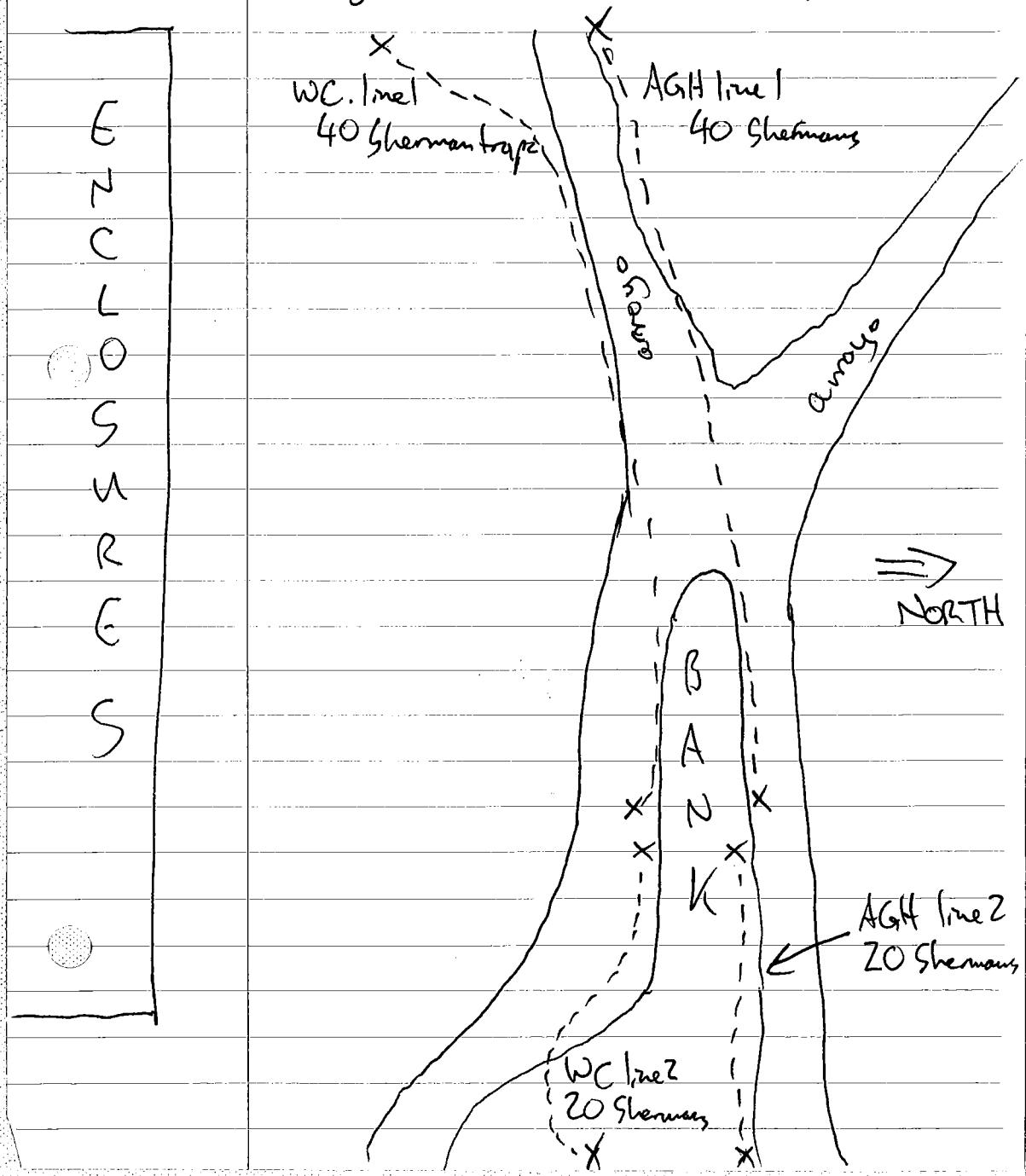
The traps were set by Will Callaghan and Andrew G. Hope on 13th Oct. 1997.

There were 2 lines of 40 Sherman traps and 2 lines of 20 Sherman traps situated along the main arroyo North /

Andrew G. Hope

14th - 15th October 1997.

of the Hantavirus 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;

Andrew G. Hope.

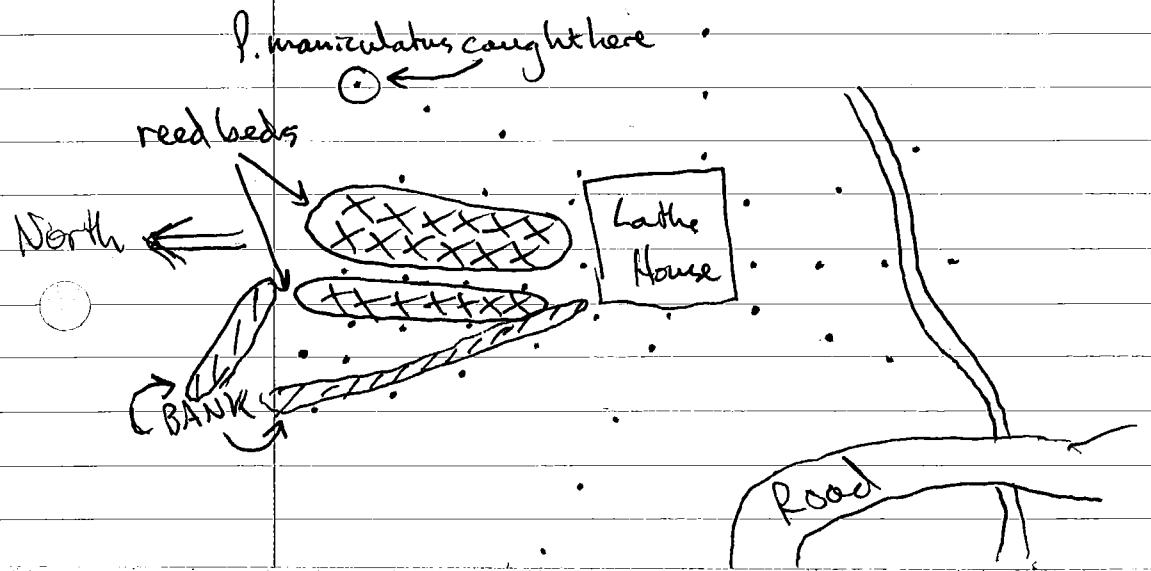
Sevilleta NWR; Field Station.

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.G. 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 destroying the mice. These were set for 4 nights but nothing was caught.

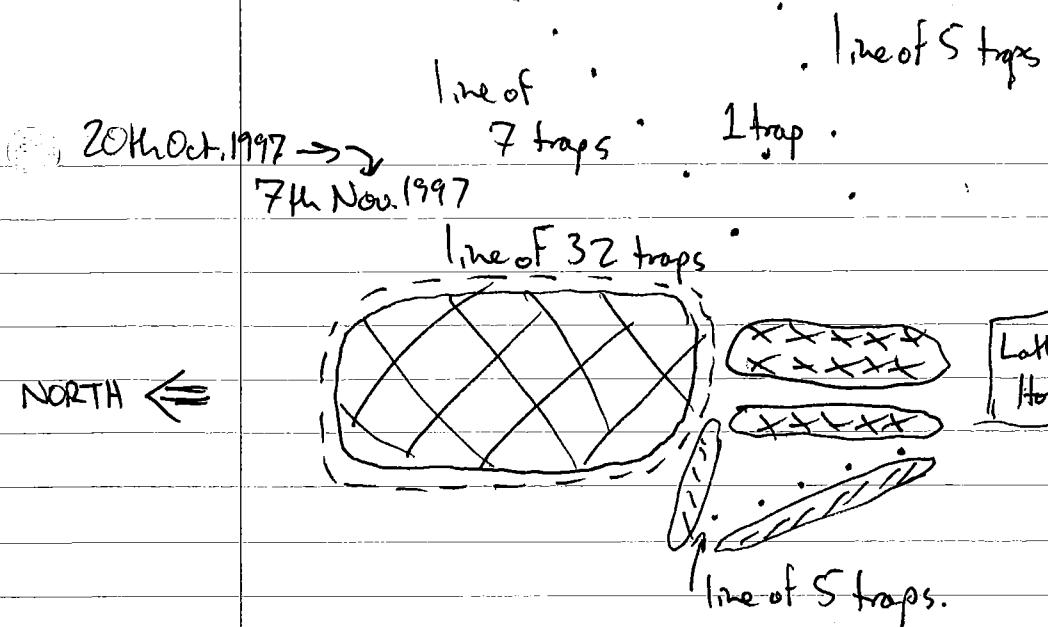
(Dots represent traps)



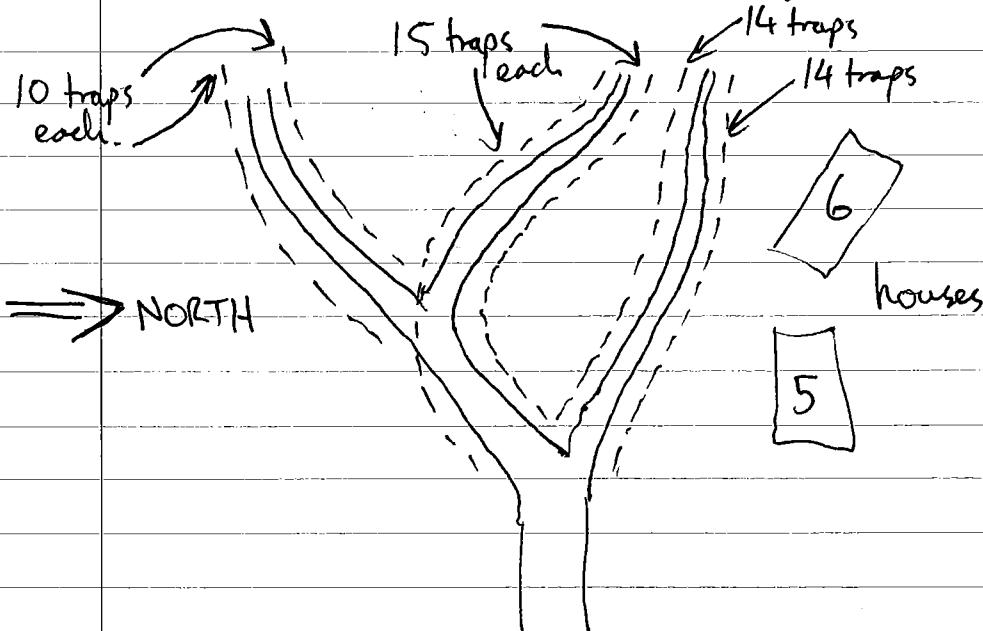
20th October 1997 → 7th November 1997

The 40 Shermans yielded many mice and rats including Nectomys albogularis near the Lathe House, Dipodomys spp. all over, a couple Oryzomys leucogaster and Perognathus flavus, many Spermophilus leucopus mostly found around the reed beds. 4 of these were killed and blood and tissues were taken. Also Peromyscus leucopus were abundant every where except on the South side. Many were caught over the extended trapping period ~~but~~ and 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~~ tagged. Recaptures are ~~probable~~ probable. On Wednesday 22nd October traps were set. On Tuesday 27th Oct., a P. maniculatus native to the Sevilleta was caught at the site shown on the diagram. There is speculation they may be moving up from La Joya pond. Also a Magdalena P. maniculatus was recaptured near this point. 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. maniculatus were found. Trapping continues. (Today's date is 5th of November 1997.)

A.G. Hope



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 Lat. House area as stated.



A.G. Hope.

20th October 1997 → 7th November 1997

Both P. leucopus and P. eremicus were caught in this upper area near the arroyos along with other mice and rat species already mentioned. (also Chaetodipus)
The Peromyscus mice only were kept.

On Sunday 2nd November 25 Sherman traps were set on the roofs of the lower Sevilleta Field Station houses, 5 traps to each house, John Dewitt's house and houses 1 → 4. After 3 nights of trapping, 17 Peromyscus mice were caught. All either P. leucopus or P. eremicus (but possibly one was a Magdalena P. maniculatus recapture).

	Day 1	Day 2	Day 3
J.D. house:	2	1	1
house 1:	0	0	2
house 2:	1	0	0
house 3:	1	3	1
house 4:	2	2	1

House 4 were P. leucopus.

House 3 were P. eremicus 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 Peromyscus mice are currently in captivity. They will be ear-tagged, bled, pit-tagged and released to the enclosures before more are collected.

A.G. Hope.

Mice caught on roofs of
Sevilleta Houses

20th October → 7th Nov. 1997

House 4 : NK 76738 PMLE

NK 76739 PMLE

NK 76742 PMLE

House 3 : NK 76741 PMER

House 2 :

House 1 : NK 76740 PMLE

J.D.'s House : NK 76726 PMLE

N.B. 12 other mice were caught on these roofs but as no space was available to hold them, they were released. See previous pages.

Andrew G. Hope

Mice caught near Lath House at
20th Oct. 1997 → 7th Nov. 97 Sevilleta NWR
(mostly north of Lath 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 76271 PMLE

Andrew G. Hope

USA: NM: Socorro Co; Sevilleta NWR;

Field Station.

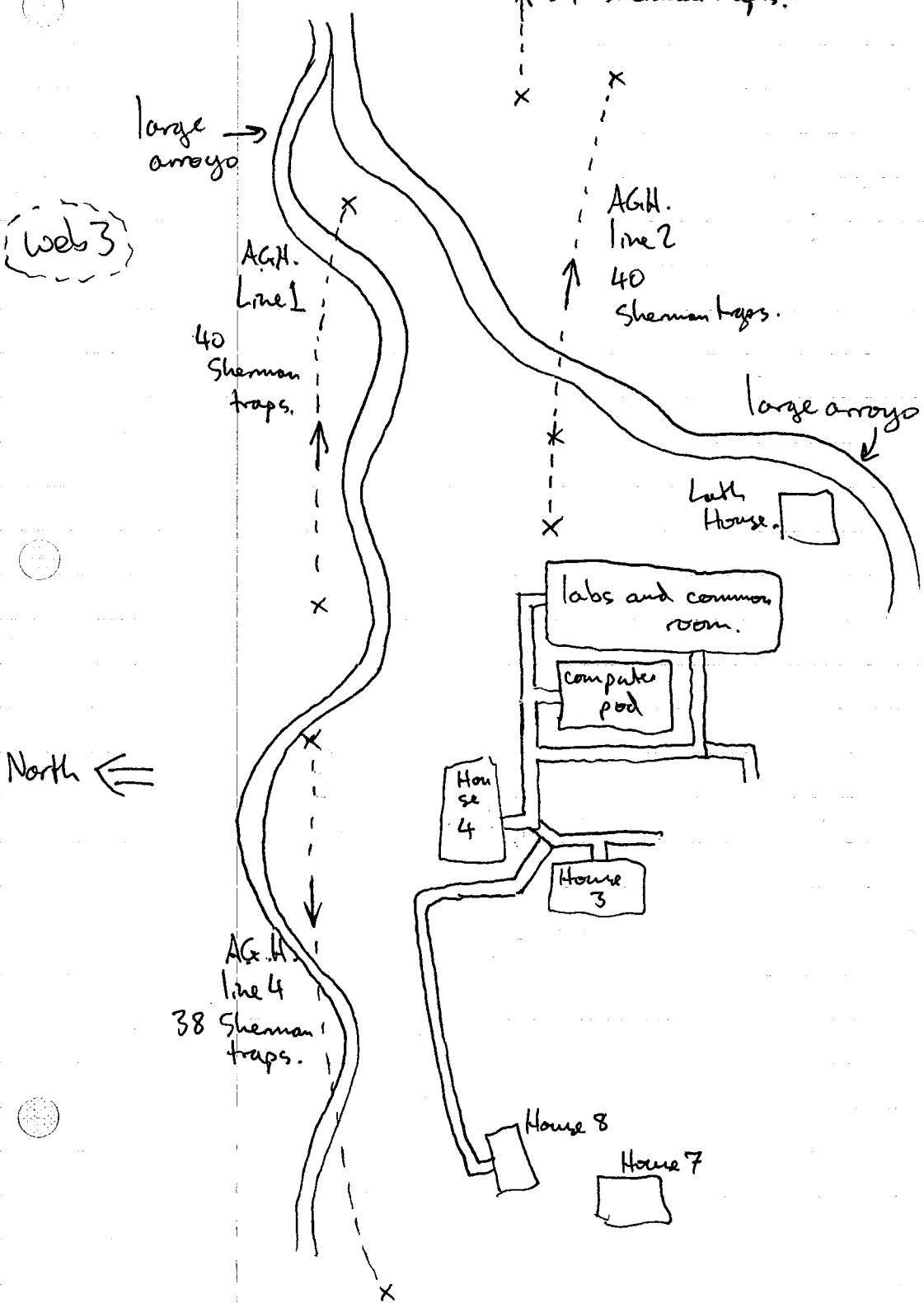
9th November 1997 →

On the 9th Nov. 1997 2 lines of traps were set by AGH. east of the field station and heading down towards La Joya game refuge. Each line containing 40 live Sherman traps. Line 1 was lower down near a large arroyo and about 60m South of the southern tip of Sevilleta NMHS web 3. 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 100m from the interstate highway. Also a line of 38 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 NMHS 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.

Andrew GilHope.

I 25
highway ↑

9th November 1997 →



Andrew G. Hope

9th November 1997 →

Captures from ~~9th~~ 10th Nov. 1997:

Species.	Line 1	Line 2
<u>Dipodomys</u> spp.	5, 9, 10, 11, 12, 20, 26.	5, 6, 7, 8, 13, 30, 35, 40.
<u>Perognathus flavus</u>	19, 34, 37.	4, 22.
<u>Neotoma albigula</u>	22, 30.	14, 36.
<u>Peromyscus leucopus</u>	21 (D.I.T.), 32.	37 (D.I.T.)
<u>Peromyscus maniculatus</u>	27	
<u>Peromyscus truei</u>	28.	
<u>Spermophilus hispidus</u>		2, 3.

(N.B. numbers above indicate trap numbers)

Line 1 - Trap 27	PMER	NK 76320	ET 3328	♂	released.
Line 1 - Trap 28	PMTR	NK 76728	ET 3595	♂	released.
Line 1 - Trap 32	PMLE	NK 76733	ET 3594	♀	released.
Line 2 - Trap 2	SIHI	NK 76767	ET 3613	♀	released.
Line 2 - Trap 3	SIHI	NK 76766	ET 3612	♀	released.

Captures from 11th November 1997:

Species	Line 1	Line 2	Line 3	Line 4
<u>Dipodomys</u> spp.	5, 7, 10, 13, 15, 18, 20, 25, 38.	3, 4, 7, 8, 12, 28, 30.	25.	2, 9, 12, 13, 17, 18, 30, 35, 36
<u>Perognathus flavus</u>	14, 36.	20, 32.		3.
<u>Neotoma albigula</u>	22.	35, 9, 13, 22.	22.	
<u>Perognathus flavescens</u>	30.			5.
<u>Oryzomys palustris</u>	23.			
<u>Spermophilus hispidus</u>		3.		
<u>Peromyscus leucopus</u>			27	

Andrew G. Hope

9th November 1997 →

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

Species	Line 1	Line 2	Line 3	Line 4
<u>Peromyscus crinitus</u>				15.
<u>Peromyscus maniculatus</u>		1.		

(numbers above indicate trap numbers).

Line 3 - Trap 27	PMLE	NK 76764	ET 3615 ♂	to enclosures S.E.
Line 4 - Trap 15	PMER	NK 76763	ET 3614 ♂	to enclosures S.E.
Line 2 - Trap 1	PMMA	NK 76734	ET 3579 ♂	to enclosures S.E.

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 Spermophilus cotton rats were bled to check for diseases and then released. There seems to be (from trapping experience) a large and stable population of Spermophilus hispidus north of the Lath House in that wetish reed area.

Captures from 12th November 1997 :

Species	Line 1	Line 2	Line 3	Line 4
<u>Dipodomys</u> spp.	4, 5, 9, 11, 13, 17, 18, 39.	5, 8, 12, 13, 29, 30.	1, 6, 25.	8, 10, 11, 17, 18, 26, 28, 29, 35, 36.
<u>Neotoma albigula</u>	20.	36.	3.	19, 30.

9th November 1997 →

Captures from 12th November (Cont.):

Species.	Line 1	Line 2	Line 3	Line 4
<u>Perognathus flavus</u>	16.	25.		37.
<u>Perognathus Placei</u>	29.			
<u>Oryzomys leucogaster</u>	23.	7.		
<u>Peromyscus leucopus</u>	25.			
<u>Peromyscus truei</u>	26.			
<u>Peromyscus eremicus</u>	28.			33.
<u>Reithrodontomys megalotis</u>			17.	
<u>Sigmodon hispidus</u>		3, 2 (x2).		

(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 megalotis as the tail did not have the striking bicolour of the R. montanus and it seemed larger.

Results from the final day of trapping on lines 3 + 4 were unfortunately thrown out by the cleaners but no Peromyscus were caught. Mainly Dipodomys, Neotoma and Perognathus with a single Oryzomys. 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

Andrew G. Hope

USA, NM: Socorro Co.; San Acacia;
Moeller Ranch / Acosta Residence.

17th November → 20th November 1997

Over this period 6 lines of Sherman traps were set on these 2 sites, totally, totalling 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 (x2)
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 shrubs, 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.
Spermophilus hispida - traps 6, 8, 10, 17, 22, 23, 24, 26, 27, 28, 30, 31, 32, 33, 35, 36, 39, 40.

Reithrodontomys 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.

Spermophilus hirsutus - traps 6, 7, 8, 9, 11, 13, 14, 15, 17, 19, 22, 23, 24, 25, 27, 28, 29, 33, 34, 36, 37, 38, 40.

Reithrodontomys megalotis - traps 18 + 26.

Mus musculus - trap 39.

3 traps S.B.E. Total: 28/40 success.

Night 3: Peromyscus leucopus - traps 1, 3, 12.

Spermophilus hirsutus - 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 on line)

Line 4: - Was set on the Moeller ranch along the top of a ditch on the edge of heavy ~~wood~~ 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 a lot of S.B.E.'s so perhaps the cows were tampering about.

Andrew Guttage

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.

Reithrodontomys megalotis - trap 11.

Neotoma albigula - traps 13 + 23.

Mus musculus - traps 36 + 39.
6 traps S.B.E.

Night 3: Peromyscus leucopus - trap 38.

Reithrodontomys megalotis - traps 7 + 26.

Spermophilus 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.

Reithrodontomys megalotis - traps 3, 9, 25, 31.

Spermophilus hispidus - traps 5, 32, 33.

Mus musculus - traps 11, 21, 22.
2 traps S.B.E.

17th → 20th November 1997

Night 2: Reithrodontomys megalotis - traps 22, 23, 28, 29.
Spermophilus hispidus - 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 hispidus - 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 on the first 20 traps on the line. ~~and~~ Very possibly a larger animal was moving down the trap line and setting off traps. (Skunk?).

Line 6 :- Was set in 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 ~~the~~ ^{other} 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.

Andrew G. Hope

17th → 20th November 1997

Night 1: Peromyscus leucopus - traps 1 + 26.

Reithrodontomys megalotis - traps 4 + 10.

Mus musculus - traps 19, 24, 35, 36, 39, 40.
3 traps S.B.E.

Night 2: Peromyscus leucopus - trap 4.

Reithrodontomys megalotis - traps 2, 27, 29.

Spermophilus hispidus - trap 15.

Mus musculus - traps 3, 12, 16, 17 (D.I.T. × 2),
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.

Spermophilus hispidus - traps 16 + 38.

Mus musculus - traps 3, 4, 15, 19, 32, 33, 34,
37.

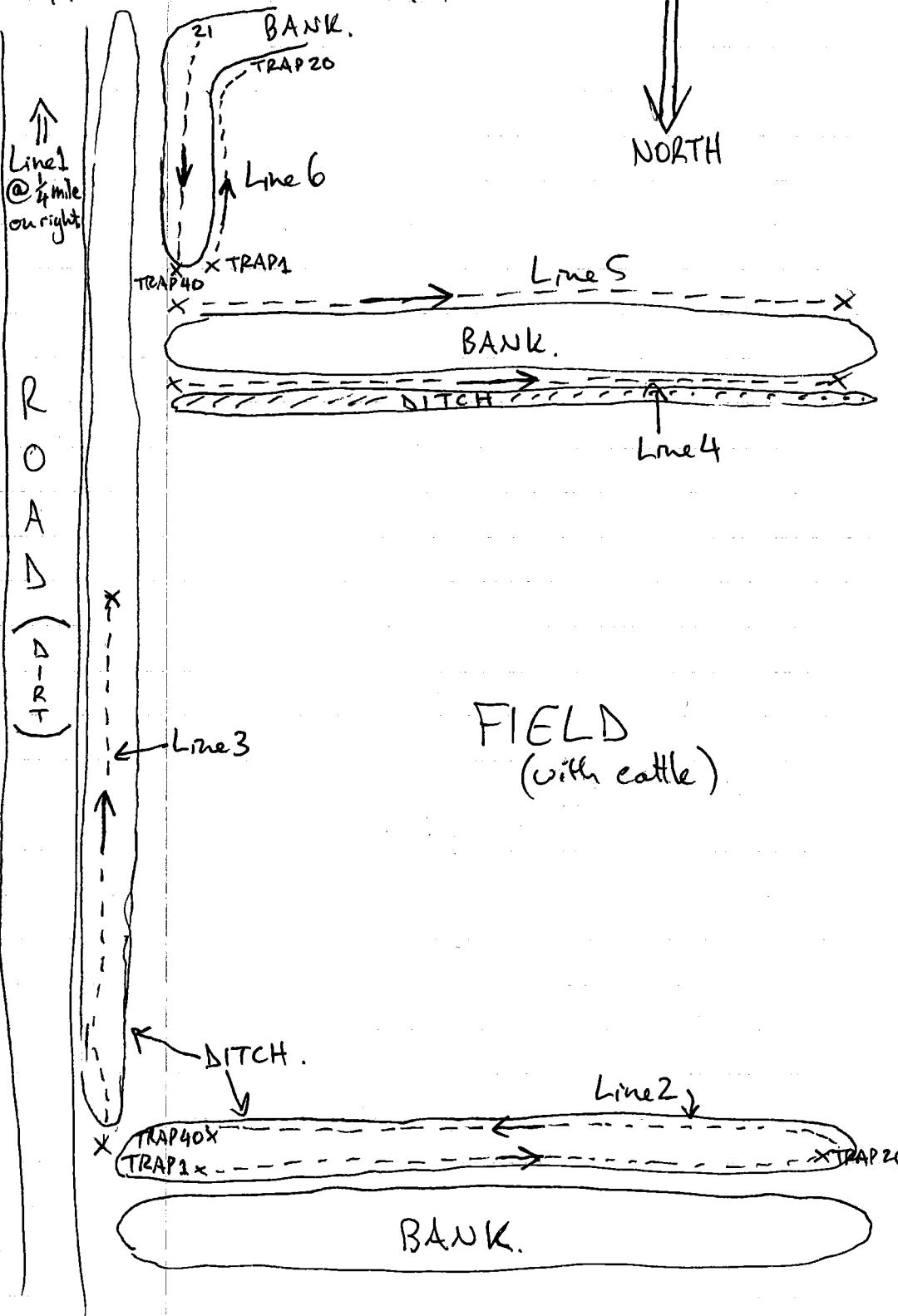
7 traps S.B.E.

Overall 20⁺ 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 (~~was~~ 32°) all nights.

All peromyscus were kept and put into the enclosures (see mouse list). All others were released on site.

Andrew G. Hope

17th → 20th November 1997



Andrew G. Hope

USA : NM : Socorro Co.; La Joya State Game Refuge.

Monday 23rd November → 25th Nov. 1997.

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

Mileage

- | | |
|-----|--|
| 0.0 | Sevilleta Gate → La Joya Game Refuge |
| 0.2 | Turn R. onto road |
| 0.9 | Turn L. at T-junction |
| 1.5 | Turn R. at railroad |
| 2.5 | Turn L. over railroad. |
| 2.6 | Turn R. at open area keeping ditch to the left. |
| 3.9 | Beehives on R. |
| 4.2 | 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 Shermans.
Total 280 trap nights

All traps were set in ~~#~~ La Joya ~~but~~ 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 & Gr. Malcolm Hope ran all the traps.

Andrew Hope

23rd Nov. → 25th November 1997.

Line 1 : - Was set on the edge of Tamarisk 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: Spermophilus hispidus - trap 6.
Dipodomys ordii - traps 21, 22, 27, 28.
3 traps S.B.E.

Night 2: Dipodomys ordii - traps 26, 27, 28
Perithrodontomys megalotis - trap 7, 14 -
1 trap S.B.E.

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

Night 1: Peromyscus leucopus / maniculatus - traps 36, 40.
1 trap S.B.E.

Night 2: Peromyscus leucopus / maniculatus - traps 11,
21, 39, 40.
Perithrodontomys megalotis - trap 35.
1 trap S.B.E.

Most of the Peromyscus were caught in the latter few traps set in salt cedar

Andrew Hope.

23rd Nov - 25th November 1997

where as the most of the traps were in willows areas. Also, the Peromyscus caught on all times could be either ~~P.~~ P. leucopus or P. maniculatus. At this stage identification was very tricky (thought to be possible hybridisation).

Line 3 : - set on same location but facing North-south and south of Line T. Contained 40 traps.

Night 1: Peromyscus leucopus / maniculatus - traps 28, 33.
3 traps S.B.E.

Night 2: Peromyscus leucopus / maniculatus - traps 11, 23, 26, 28.
Dipodomys ordii - trap 29.
Reithrodontomys 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 (DIT), 9, 10, 13, 17 (DIT), 18, 20.

Andrew Hoge

23rd → 25th November 1997

Night 1 (cont.) : - Neotoma albigula - trap 11.

Spermophilus hirsutus - trap 12.

Dipodomys deserti - trap 14 + 16.

Peromyscus maniculatus - trap 15.

1 trap S.B.E.

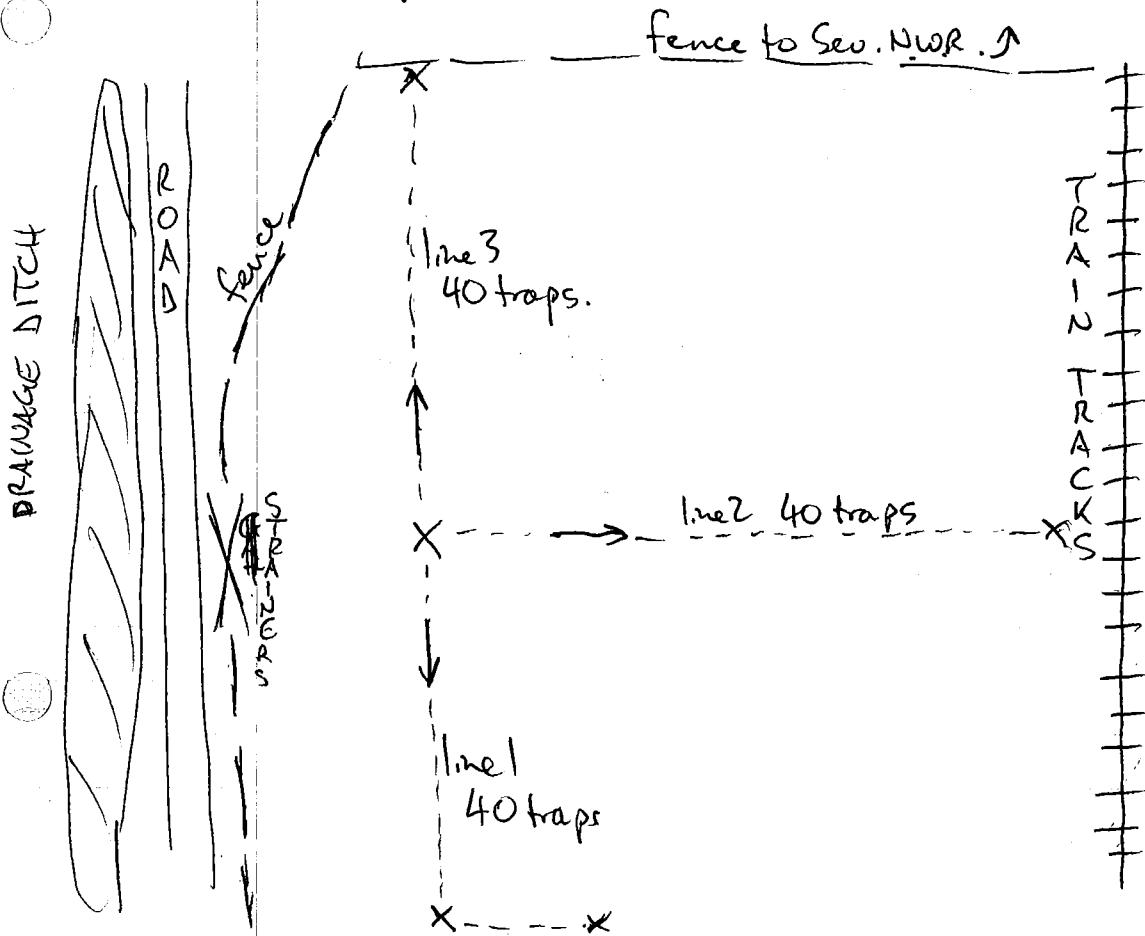
Night 2: Peromyscus maniculatus - traps 2, 3, 4, 7, 8,
13, 14, 16, 18 (x2), 20.

Neotoma albigula - traps 1, 5, 6.

Dipodomys deserti - traps 17, 19.

Spermophilus hirsutus - trap 9.

3 traps S.B.E.



4th Year Project.

A.G.Hope., R. Parmenter, M. Foggens.
Commencing 26th January 1998.
Starting specimens at NK 42399 → 42500

26th Jan. 1998: A.G.H. 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 on 20 traps.

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

Both caught on 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 hillside.~~ There were 15 stations of 2 traps at each, one of each size. These stations were placed in random positions at ~20 m intervals in a triangular formation.

Project .

AG Hope.

27.Jan1998 (Cont.)

~~because the other half were set but~~
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 - Piñon/Juniper habitat.

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

30 traps set in a ~~linear~~ formation ~~at~~ ^{linear} on a north-east-south facing shallow slope.

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

28.Jan1998.

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

Bosque Forest - Cottonwood/Tamarisk 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.

Project.

A.G. Hope.

28. Jan 1998 (Cont.)

The catch from the night before are as follows:

Goat Draw: *P. truei* - 6

N. albogularis - 3

P. leucopus - 17

R. megalotis - 6

O. arenicola - 3

Cerro Montoso: *P. truei* - 4

P. boylii - 5

29th Jan 1998: All the traps on 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.

Project

AG Hope.

(7) 29th Jan. 1998 (Cont.)

Tot. for trapping record

Goat Draw: <i>P. truei</i> - 11	17
<i>N. albogularis</i> - 1	4
<i>P. leucopus</i> - 19	36 (+2)
<i>R. megalotis</i> - 7	13
<i>O. arenicola</i> - 4	7 (+1)
<i>D. merriami</i> - 1	1

Cerro Montoso: <i>P. truei</i> - 9
<i>P. boylii</i> - 9
<i>P. leucopus</i> - 1

30. 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:

Goat Draw: *P. leucopus* - 2*O. arenicola* - 1 Tot. for period

Goat Draw: <i>P. truei</i> - 6	19
<i>P. boylii</i> - 9	23
<i>R. megalotis</i> - 1	1
<i>O. arenicola</i> - 2	2
<i>N. albogularis</i> - 2	2
<i>P. leucopus</i> - 0	1

5 Points Grass: *O. arenicola* - 4*D. ordii* - 3

Project

A.G. Hope.

30. Jan 1998. (Cont.)

5 Points Larea: *P. leucopus* - 3

O. arenicola - 2

D. merriami - 1

31. Jan. 1998. All of the ~~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 Larea: *O. arenicola* - 2

P. leucopus - 2

Field Station: *N. albiquia* - 7

D. merriami - 5

P. eremicus - 1

P. truei - 1

R. megalotis - 1

1st Feb. 1998:

~~Results~~ Results from night before:

5 Points Grass: *O. arenicola* - 5

D. ordii - 3

5 Points Larea: *O. arenicola* - 1

R. megalotis - 1

Field Station: *D. merriami* - 5

N. albiquia - 2

D. ordii - 2

R. megalotis - 1

B. leucogaster - 1

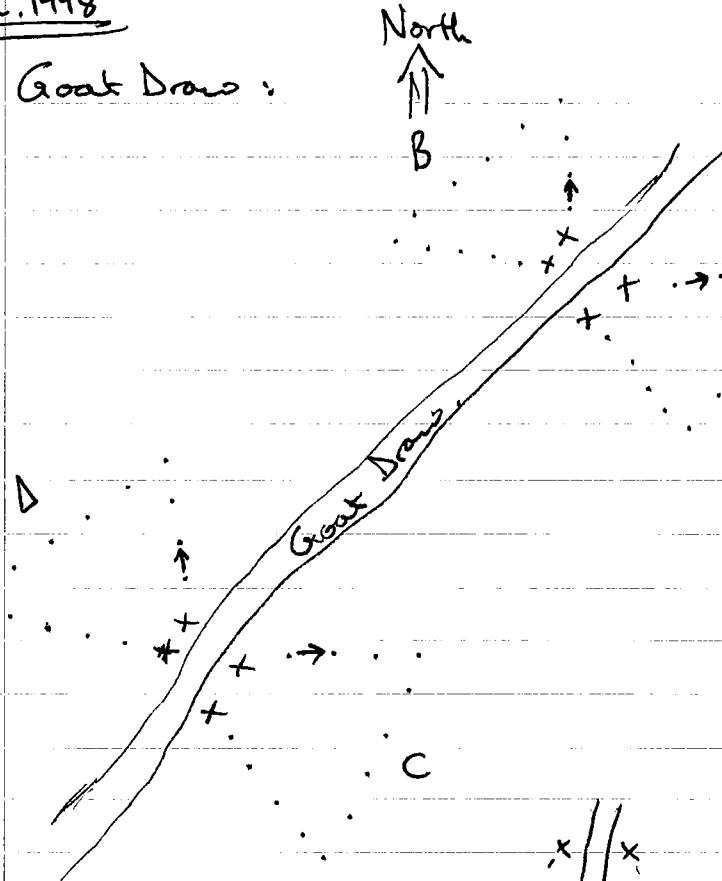
Trapping Period 1

Jan. 1998

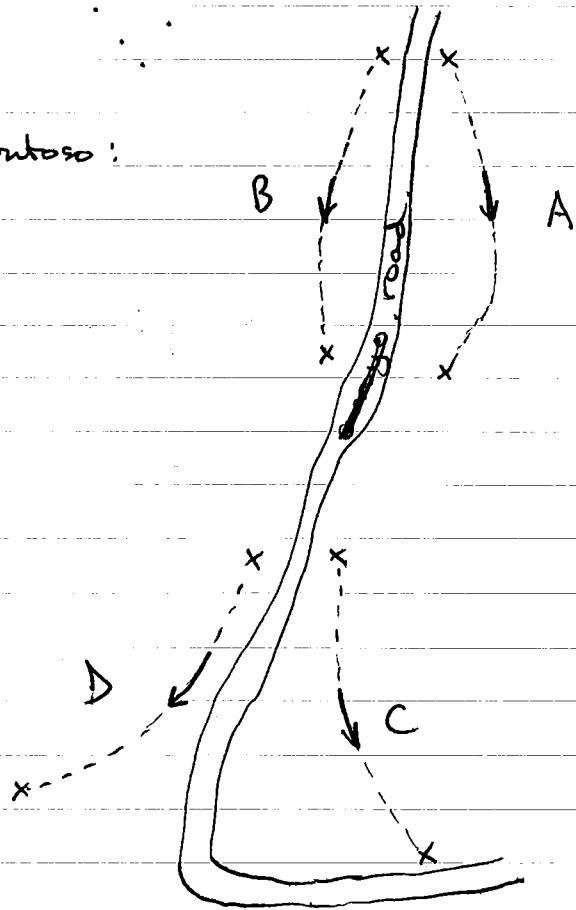
Project

A.G.Hogze.

Goat Draw:



Cerro Montoso:



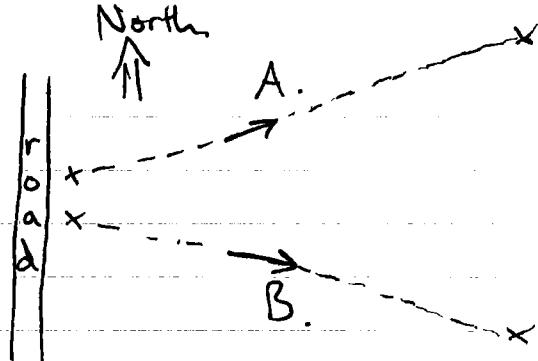
Trapping Period 1

Jan. 1998

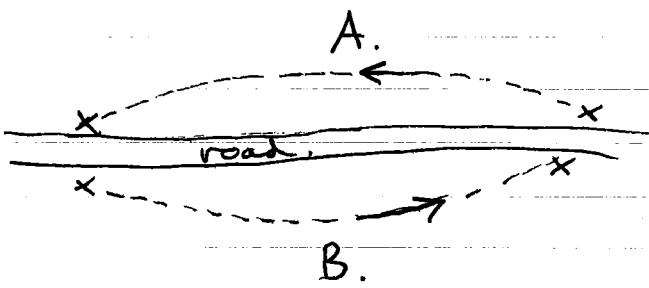
Project.

A.G. Hope

S. Points Grass:

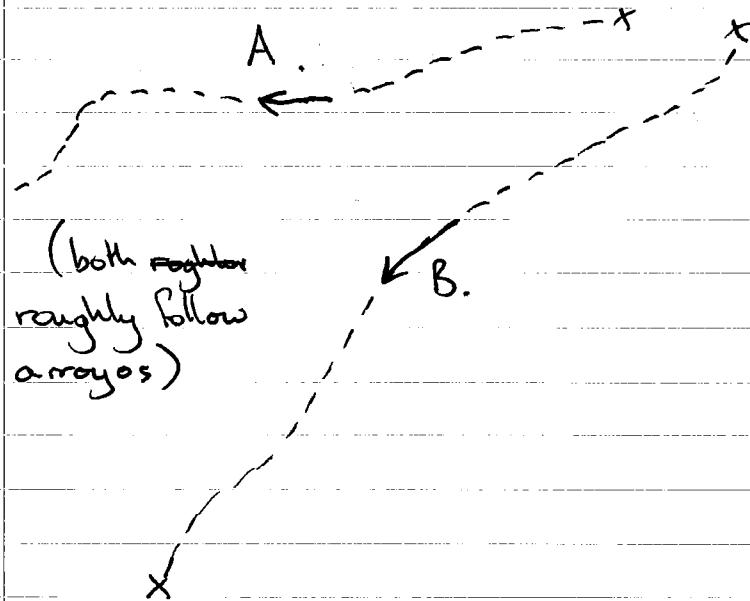


S. Points Larva: North.



Field Station: North

Parking area,



Project

AG Hogen

2nd Feb. 1998: Results from night before:

	Wk	Total for period
5 Points Grass: <i>D. ordii</i> - 2		10
<i>O. arenicola</i> - 1		<u>11</u>
5 Points Larch: <i>O. arenicola</i> - 0		5
<i>R. megalotis</i> - 0		1
<i>P. leucopus</i> - 0		5
<i>D. merriami</i> - 0		<u>1</u>

Field Station: *O. leucogaster* - 2*D. merriami* - 5*P. flavus* - 1*P. truei* - 1~~*D. ordii* - 2~~~~*O. arenicola* - 1~~

3rd Feb. 1998: Results from night before:

	Total
Field Station: <i>O. leucogaster</i> - 2	5
<i>O. arenicola</i> - 1	1
<i>D. merriami</i> - 2	17
<i>R. megalotis</i> - 1	3
<i>N. alboguttata</i> - 0	9
<i>P. eximius</i> - 0	1
<i>P. truei</i> - 0	2
<i>P. flavus</i> - 0	1
<i>D. ordii</i> - 0	<u>2</u>

A.G. Hope

GPS: N $34^{\circ}19.681$, W $107^{\circ}05.600$, 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 ULMA enclosures.

Total of 200 traps set for first night.

People: A.G. Hope.

John Kendall

Jason Botten

Robert Nofchissey

Pauli Campbell.

Results from first night: (died)

(80 traps) A. Hope: Line 1: T13 PMBO, T26 PMTR
Line 2: T9 PMTR, T7 PMTR
and 4 more PMTR (died)

2 NEAL

(40 traps) Robert: Line 1: 7 PMTR (2 died), 1 DIOR.

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

Line 3: 1 PMER

1 PMTR (1 died)

Line 4: 2 PMTR, 1 DIOR.

Line 5: 1 PMMA? (died)

Line 6: 1 PMMA? (died)

Line 7: 1 PMMA?

2 PMTR - (1 died)

Line 8: 1 PMTR.

Line 2: 2 NEAL

A.G. Hope

The Box (Cont.) 21 March 1998

On the second night 360 traps were set.
The original 200 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 DIPO., 1 PMLE.

Line 2: 1 PMTR, 2 NEAL.

Line 3: 1 DIPO, 1 PMBO.

Line 4: 2 PMTR, 1 DIPO., 1 NEAL.

Line 5: 1 PMTR.

Line 6: 1 PMLE.

Line 7: - ~~nothing~~, 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 DIPO.

John: Line 1: 1 PMER, 1 PGFV, 1 CHIN,
1 NEAL, 5 DIPO..

None of the suspected PMTR were. They
all turned out to be PMLE. All the
PMTR killed for museum collections. All
PMBO used for hantavirus passage experiments.

A.G. Hope

USA: NM: Socorro Co.; Sevilleta NWR;
Sevilleta Field Station. 6th April 1998.

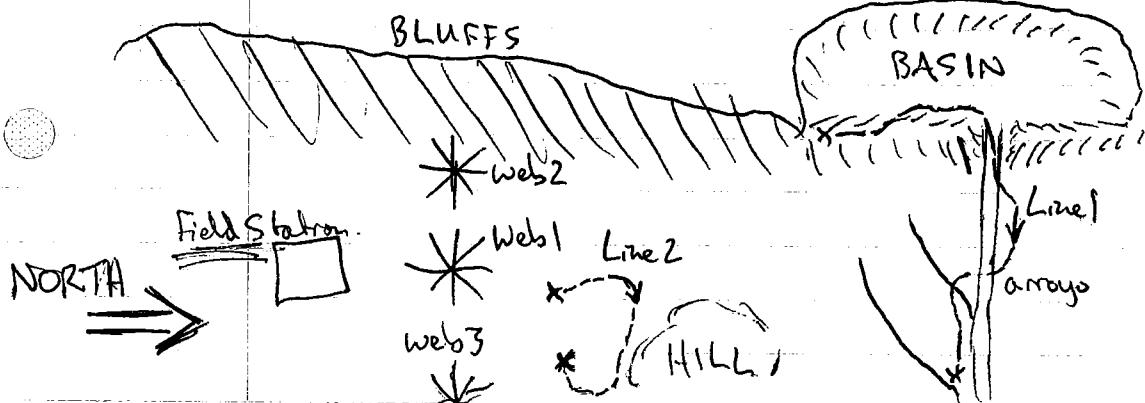
This was another attempt to find PMUT's (to no avail). 120 traps were set for 2 nights giving TOTAL: 240 trap nights.
Line 1: 80 traps. First half in a steep rocky area. Second half in hilly, sometimes rocky mesquite/shrubland.
Line 2: 40 traps. All set in mesquite/larrea shrubland.

Results: Night 1:

Line 1: ~~5~~ 5 Dipodomys spp., 4 CHIN,
5 PMER, 3 NEAL, 1 REMG, 1 ONAR.
Line 2: 10 Dipodomys spp., 1 NEAL,
1 REMG, 1 ONLE.

Night 2:

Line 1: 3 REMG, 8 PMER, 5 NEAL,
1 ONAR, 5 CHIN, 6 DIME, 1 PGFV.
Line 2: 8 DIOR, 5 DIME, 2 PMLE, 1 REMG,
1 ONLE, 1 NEAL, 1 PMTR, 1 PGFV.



A.G. Hope

USA: NM: Socorro Co.; Tank West of Socorro;
N $33^{\circ}56.515'$, W $106^{\circ}59.875'$. 7th April 1998.

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

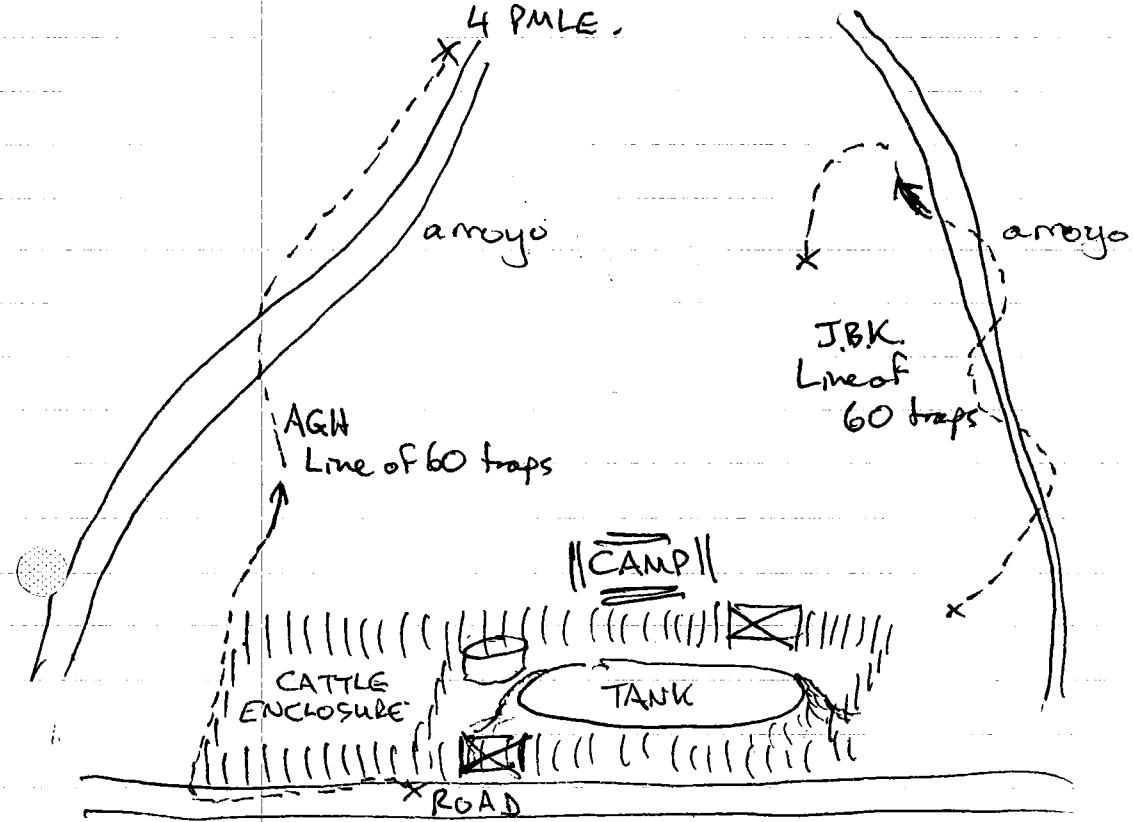
Andrew G. Hope

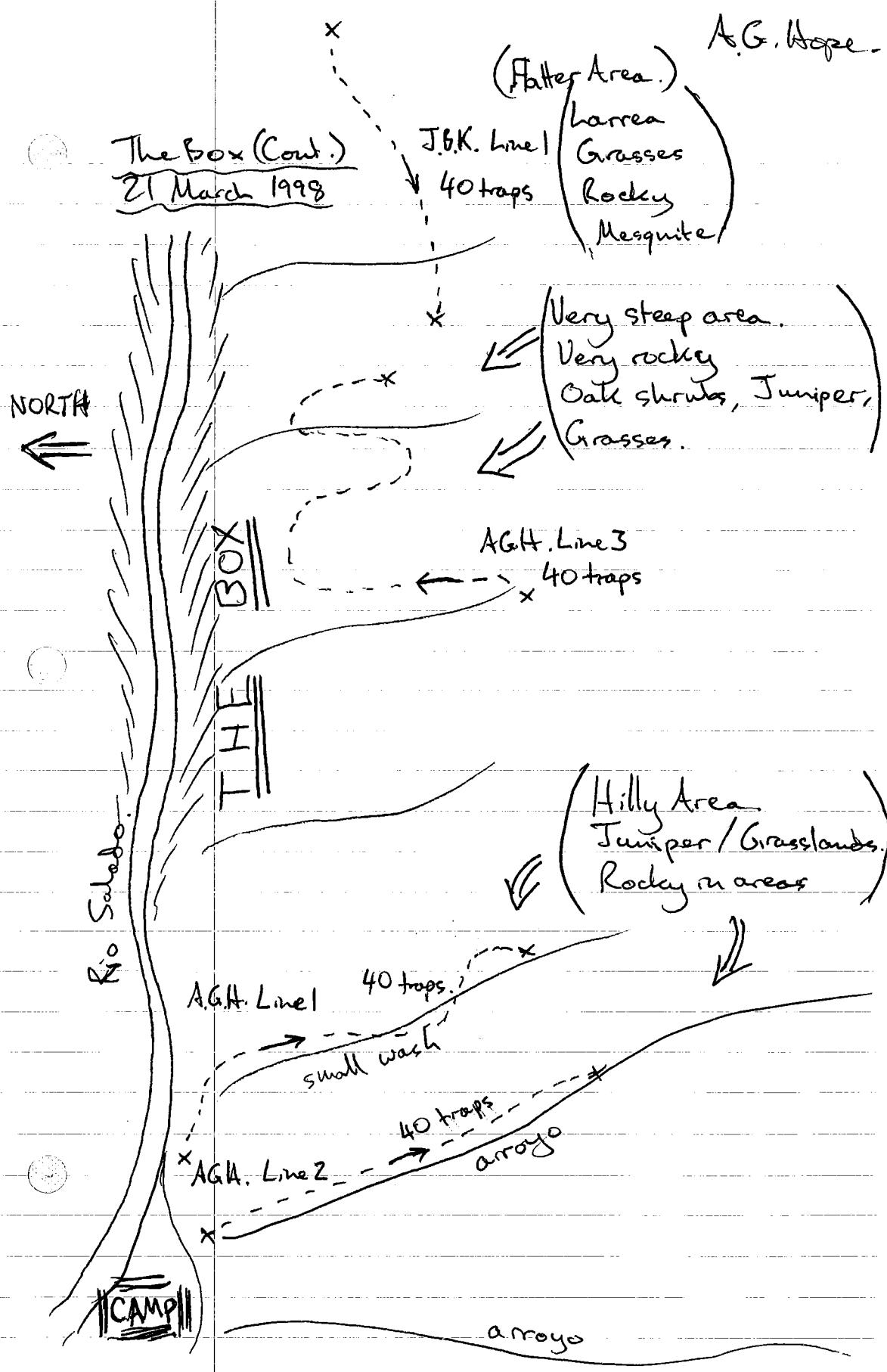
John B. Kendall.

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.
J.B.K.: 9 DIME, 2 CHIN, 2 PMTR,
4 PMLE.





The Box (Cont.)
21 March 1998

