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DEPARTMENT OF CONSERVATION
& LAND MANAGEMENT
WESTERN AUSTRALIA

- GREAT VICTORIA DESERT -

October 2001

Glen Gaikhorst and Cathy Lambert
(December 2002 Report to CALM)

Flora Licence No. SW007125

Fauna Licence No. SF003610



Sand-hill Dunnart *Sminthopsis psammophila*, Photo by Glen Gaikhorst

178720

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WESTERN AUSTRALIA

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1.0 INTRODUCTION

The aim of this field trip was to continue gathering data on the endangered Sandhill Dunnart (*Sminthopsis psammophila*), as a follow up to similar trapping trips in September/October 2000 and March/April 2001. In addition to finding out more about their distribution, abundance and general ecology, attempts were made to bring 2 pairs into captivity at Perth Zoo in order to study their reproductive biology. Unfortunately, the only female that was captured appeared to be in the late stages of lactation, so she was released to continue attending to her presumed to be still dependent young. We held a male Sandhill Dunnart in a holding enclosure, before releasing him after 3 nights, when it became apparent that we would not be able to catch him a suitable mate. This male coped well with his confinement, feeding on 8g of mealworms plus grasshoppers caught from the area each night.

Sites where 5 male Sandhill Dunnarts were captured in the March/April 2001 trip (Site 3) were re-trapped this time, but no new animals or recaptures were found. We did however, capture 1 male and 1 female at a new site (5-2):

29°48.715' S

123°54.373'E

7014 and 7020

Eight different native mammal species were captured during the field trip (Table 1), 25 reptile species and 1 frog species (Table 2). Unidentifiable species of Ramphotyphlops and Neobatrachus were taken as voucher specimens and lodged with the WA Museum. A *Pseudomys hermannsburgensis* and 6 reptiles died during the field trip (Table 3), and were also deposited with the museum.

Site 3 was divided into 6 different quadrats, and was trapped for 271 pit-nights and 1321 Elliott trap-nights.

Site 5 was divided into 4 different quadrats, and was trapped for 276 pit-nights and 880 Elliott trap-nights.

Pits and Elliott traps were checked twice daily - first thing in the morning and then again in the late afternoon. All animals were held briefly in small calico bags marked with the trap number. Measurements recorded included snout-vent (or head-body), tail length, pes, sex, weight and reproductive status. Mammals were marked for identification using ear notches. Animals were then released back to their point of capture.

Samples of all plants collected from quadrats have been pressed and compiled into a herbarium awaiting identification.

2.0 RESULTS

Table 1. Summary list of mammals from both sites

SPECIES NAME (8 total)	SITE 3-1	SITE 3-2	SITE 3-3	SITE 3-5	SITE 3-8	SITE 3-9	SITE 5-1	SITE 5-2	SITE 5-3	SITE 5-4
<i>Cercartetus concinnus</i>	X	X	X	X			X	X	X	X
<i>Ningau</i> sp.	X	X	X	X		X	X	X		X
<i>Notomys alexis</i>		X					X			X
<i>Pseudomys hermannsburgensis</i>	X	X	X		X		X	X	X	X
<i>Sminthopsis dolichura</i>									X	
<i>Sminthopsis hirtipes</i>	X			X						
<i>Sminthopsis psammophila</i>								X		
Introduced										
<i>Mus mus</i>				X						

Table 2. Summary list of reptiles and frogs from both sites

SPECIES NAME (26 total)	SITE 3-1	SITE 3-2	SITE 3-3	SITE 3-5	SITE 3-8	SITE 3-9	SITE 5-1	SITE 5-2	SITE 5-3	SITE 5-4
Ctenophorus fordii	X	X	X	X			X		X	
Ctenophorus isolepis	X	X	X				X	X	X	X
Ctenotus atlas	X	X					X			
Ctenotus brooksi							X	X	X	
Ctenotus calurus										X
Ctenotus helenae									X	
Ctenotus quattuordecimilineatus							X	X	X	X
Ctenotus schomburgkii	X		X	X			X	X		X
Delma butleri		X	X							
Demansia psammophis cupreiceps		X								
Diplodactylus granariensis		X	X							
Diporiphora reginae	X	X	X							
Egernia inornata		X						X		
Gehyra purpurascens									X	
Lialis burtonis		X		X						
Lucasium damaeum	X		X				X		X	X
Moloch horridus	X	X			X				X	X
Morethia butleri										X
Nephrurus laevisissimus	X			X			X	X	X	X
Pogona minor				X			X			
Proablepharus reginae	X	X	X	X						
Ramphotyphlops sp.								X		
Varanus eremius										X
Varanus gouldii		X		X						
Varanus tristis tristis	X									
FROGS										
Neobatrachus sp.										X

Table 3. Summary list of specimens preserved

SPECIMEN	PRESERVATIVE	CAPTURE POINT	RECIPIENT	CAUSE OF DEATH
Ctenotus atlas	Formalin	Site 3-2; Pit 1-5	WA Museum - R146551	Killed by <i>V. gouldii</i> in the same pit
Diporiphora reginae	Formalin	Site 3-1; Pit 1-1	WA Museum - R146553	Killed by <i>P. hermansbergensis</i> in same pit
Diporiphora reginae	Formalin	Site 3-2; Pit 1-5	WA Museum - R146554	Killed by <i>V. gouldii</i> in the same pit
Ctenophorus isolepis	Formalin	Site 3-3	WA Museum - R146552	Found injured on road - euthanased
Pseudomys hermansbergensis	Formalin	Site 5-3; Pit 2-7	WA Museum	Found dead in pit
Ctenotus helenae	Formalin	Site 5-3	WA Museum - R146549	Accidentally run over
Ctenotus brooksi	Formalin	Site 5-3; Pit 2-3	WA Museum - R146550	Attacked by ants in pit - euthanased
Neobatrachus sutor/centralis	Formalin	Site 5-4	WA Museum - 146548	Taken as voucher specimen for ID
Ramphotyphlops sp.	Formalin	Site 5-2;	WA Museum - R146547	Taken as voucher specimen for ID
Invertebrates (Assorted)	Formalin	All grids on Site 5	WA Museum	Found dead in pit traps

2.1 SITE 3-1

LOCATION

- Approximately 100m north of Delma Track opposite Camp Site 1
- GPS reading at P1 29° 58.827' S
124° 00.870' E

DESCRIPTION

- Tall mixed shrubland over open hummock grass
- Trapping lines straddle dune crest at a right angle
- The dunes are yellow sand
- Last burned either 1979 or 1984
- Ground relatively bare of leaf litter, and fallen wood

TRAP NIGHTS

- 75 pit-nights
- 225 Elliott trap-nights

DEATHS

- A *Pseudomys hermannsburgensis* (M16) was beaten up in a pit-trap by another *P. hermannsburgensis* on 10/10, and appeared OK. However it was found dead the following day. The body was preserved and deposited with the WA Museum..
- A *Diporiphora reginae* was killed by a *Pseudomys hermannsburgensis* in the same trap (P1-1) on 11/10. The body was preserved and deposited with the WA Museum (R 146553).

INTERESTING NOTES

- A *Ningaui sp.* and a *Pseudomys hermannsburgensis* were recaptured from the March 2001 trip.

SITE 3-1 MAMMAL AND REPTILE SPECIES LIST

(List includes animals found through active searching – Mus and reptiles were not individually marked, and therefore may include recaptures)

Mammals (4 species)

Cercartetus concinnus (1 individual)

Ningau sp. (2 new individuals + 1 recapture from a previous trip)

Pseudomys hermannsburgensis (No new individuals, but 1 recapture from a previous trip)

Sminthopsis hirtipes (2 individuals)

Reptiles (10 species)

Ctenophorus fordi (1)

Ctenophorus isolepis (2)

Ctenopus atlas (4)

Ctenopus schomburgkii (2)

Diporiphora reginae (3)

Lucasium damaeum (1)

Moloch horridus (1)

Nephurus laevis (2)

Proablepharus reginae (1)

Varanus tristis tristis (1)

Recaptures from previous trips

Ningau sp.

- Female 2 was initially caught on Grid 3-1 in March 2001

Pseudomys hermannsburgensis

- Male 13 was initially caught on Grid 3-2 in March 2001

2.2 SITE 3-2

LOCATION

- Approximately 100m north of Delma Track, and 200m east of Camp site 1. 100m east of Quadrat 1
- GPS reading of P1 29° 58.886' S
124° 01.015' E

DESCRIPTION

- Tall mallee/Acacia shrubland over open hummock grassland
- Trapping lines straddle dune crest at a right angle
- Yellow sands
- Last burned either 1979 or 1984
- Good cover of leaf litter and fallen wood on ground. Many hollows in fallen wood.

TRAP NIGHTS

- 70 pit-nights
- 225 Elliott trap-nights

DEATHS

- A *Ctenotus atlas* and a *Diporiphora reginae* were both killed by a *Varanus gouldii* in the same pit (P1-5). The bodies were preserved and deposited with the WA Museum (*C. atlas* - R146551, *D. reginae* - R146554).

SITE 3-2 MAMMAL AND REPTILE SPECIES LIST

(List includes animals found through active searching – Mus and reptiles were not individually marked, and therefore may include recaptures)

Mammals (4 species)

Cercartetus concinnus (5 individuals + a number of unmarked juveniles)
Ningau sp. (5 individuals)
Notomys alexis (1 individual)
Pseudomys hermannsburgensis (2 individuals)

Reptiles (12 species)

Ctenophorus fordii (1)
Ctenophorus isolepis (4)
Ctenotus atlas (3)
Delma butleri (1)
Demansia psammophis cupreiceps (1)
Diplodactylus granariensis (1)
Diporiphora reginae (1)
Egernia inornata (1)
Lialis burtonis (2)
Moloch horridus (2)
Proablepharus reginae (1)
Varanus gouldii (1)

SITE 3-3 MAMMAL AND REPTILE SPECIES LIST

(List includes animals found through active searching – Mus and reptiles were not individually marked, and therefore may include recaptures)

Mammals (3 species)

Cercartetus concinnus (5 individuals)
Ningauia sp. (1 unprocessed female)
Pseudomys hermannsburgensis (1 individual)

Reptiles (8 species)

Ctenophorus fordi (2)
Ctenophorus isolepis (1)
Ctenotus schomburgkii (1)
Delma butleri (1)
Diplodactylus granariensis (1)
Diporiphora reginae (8)
Lucasium damaeum (1)
Proablepharus reginae (1)

2.4 SITE 3-5

LOCATION

- Starting at the last Elliott (NW corner) of Site 3-3, and extending along the edge of the swale and running up the dune.
- GPS reading 29° 58.810' S
124° 01.142' E

DESCRIPTION

- Trap lines running at right angles to dune crest, with most of the traps in the swale and side of a small dune, and only the Elliotts straddling the crest.
- Tall mallee over open hummock grassland
- Fire either 1979 or 1984
- Yellow/orange sand - a granite base was encountered when digging some of the pits

TRAP NIGHTS

- 70 pit-nights
- 225 Elliott trap-nights

SITE 3-5 MAMMAL AND REPTILE SPECIES LIST

(List includes animals found through active searching – Mus and reptiles were not individually marked, and therefore may include recaptures)

Mammals (3 species)

Cercartetus concinnus (5 individuals + 2 unprocessed)

Mus mus (2)

Ningauia sp. (3 individuals and 1 unprocessed male)

Sminthopsis hirtipes (1 individual)

Reptiles (7species)

Ctenophorus fordi (2)

Ctenopus schomburgkii (2)

Lialis burtonis (1)

Nephurus laevis (3)

Pogona minor (1)

Proablepharus reginae (1)

Varanus gouldii (1)

2.5 SITE 3-8

LOCATION

- Located in between and just touching grids 3-3 and 3-5 at the base of a swale.
- GPS reading 29° 58.886' S
124° 01.015' E

DESCRIPTION

- Swale
- Very hard, compact red dirt
- Predominantly 2 plant species - large spinifex clumps beneath mallee

TRAP NIGHTS

- 250 Elliott trap-nights

INTERESTING NOTES

- In the same general area where *Sminthopsis psammophila* was caught earlier in the year.

SITE 3-8 MAMMAL AND REPTILE SPECIES LIST

(List includes animals found through active searching – Mus and reptiles were not individually marked, and therefore may include recaptures)

Mammals (1 species)

- *Pseudomys hermannsburgensis* (no new individuals, but a recapture from another grid)

Reptiles (1 species)

- *Moloch horridus* (2)

2.6 SITE 3-9

LOCATION

- Located approximately 7km further east of the Site 3 campsite.
- 5 trapping lines running perpendicular to, and on the north side of the track.
- GPS reading 30° 01.000' S
124° 03.584' E

DESCRIPTION

- Open mallee over a Triodia grassland, with some mulga in the lower parts.
- Flat swale dropping away further on outside Elliott lines, with dunes at the back.
- Orange/red fairly hard ground, with some rocky areas.
- Some leaf litter under mallee.
- Camel tracks seen.

TRAP NIGHTS

- 216 Elliott trap-nights

SITE 3-9 MAMMAL AND REPTILE SPECIES LIST

(List includes animals found through active searching – Mus and reptiles were not individually marked, and therefore may include recaptures)

Mammals (1 species)

- Ningaui sp. (1 unmarked individual)

Reptiles (0 species)

2.7 SITE 5-1

LOCATION

- West side of track, approximately 100m south of yellow dune.
- GPS reading 29° 48.715' S
123° 54.373' E

DESCRIPTION

- Trap lines in swale, running perpendicular to track, and parallel to dune system.
- Grevillea/Callitris tall shrubland over Triodia grassland.
- Either 1979 or 1984 burned.
- Good tree hollows and fallen logs.
- Mostly patchy bare ground with little leaf litter.
- Sign of camel, kangaroo, emu and dingo.

TRAP NIGHTS

- 70 pit-nights
- 225 Elliott trap-nights

SITE 5-1 MAMMAL AND REPTILE SPECIES LIST

(List includes animals found through active searching – Mus and reptiles were not individually marked, and therefore may include recaptures)

Mammals (4 species)

Cercartetus concinnus (1 unprocessed female)
Ningauia sp. (1 individual)
Notomys alexis (1 individual)
Pseudomys hermannsburgensis (3 individuals)

Reptiles (9 species)

Ctenophorus fordi (4)
Ctenophorus isolepis (1)
Ctenotus atlas (2)
Ctenotus brooksi (1)
Ctenotus quattuordecimlineatus (2)
Ctenotus schomburgkii (6)
Lucasium damaeum (1)
Nephurus laevis (2)
Pogona minor (1)

2.8 SITE 5-2

LOCATION

- GPS reading 29° 48.715' S
 123° 54.373' E

DESCRIPTION

- Trap lines running perpendicular to yellow dune, and predominantly on the south side of it. Softly undulating.
- Grevillea dominated shrubland over Triodia grassland.
- Either 1979 or 1984 burned.
- Spinifex seeding
- Very little fallen wood
- Evidence of kangaroo, camel, dingo and emu.

TRAP NIGHTS

- 56 pit-nights
- 180 Elliott trap-nights

INTERESTING NOTES

- Unidentified *Ramphotyphlops* sp. found. Taken as a voucher specimen and deposited with WA Museum (R146547).
- Two adult *Sminthopsis psammophila* were trapped - 1 male, 1 female. The female had all teats active, and was in late stage lactation.
- The male Sandhill Dunnart was maintained in a holding enclosure for 3 nights and fed well on mealworms (8g/night) and grasshoppers caught from the area. It was hoped to bring a pair back to the zoo, but as the female had young in a nest, none were taken, and the male was released.

SITE 5-2 MAMMAL AND REPTILE SPECIES LIST

(List includes animals found through active searching – Mus and reptiles were not individually marked, and therefore may include recaptures)

Mammals (4 species)

Cercartetus concinnus (3 unprocessed)
Ningauia sp. (6 individuals + 2 unprocessed females)
Pseudomys hermannsburgensis (6 individuals + 5 unprocessed)
Sminthopsis psammophila (2 individuals)

Reptiles (7 species)

Ctenophorus isolepis (1)
Ctenotus brooksi (1)
Ctenotus quattuordecimlineatus (1)
Ctenotus schomburgkii (1)
Egernia inornata (1)
Nephurus laevis (1)
Ramphotyphlops sp. (1)

SITE 5-2 PLANT SPECIES LIST

VEGETATION TYPE

tt Tall tree (>30m)
 mt Medium tree (10-30m)
 lt Low tree (5-10m)

 ts Tall shrub (2-8m)
 ls Low shrub (<2m)

h Herbs
 g Grass
 tg Tussock grass
 hg Hummock grass
 se Sedge
 f Fern
 nv Moss, lichen, algae

COVER

v Very sparse <10%
 s Sparse 10-30%
 m Mid-dense 30-70%
 d Dense 70-100%

SPECIMEN	VOUCHER #	PREVIOUS VOUCHER #	VEG. TYPE	COVER
Grevillea – orange flower	1		ts	v
Small dark green shrub	2		ls	v
Spinifex (Triodia)	3		hg	m
Small leafed, green shrub	4		ls	v
Sedge or tussock grass with buds	5		tg/se	v
Pink hakea	6		ls	v
Pine	7		ts	v
Casuarina with nuts	8		ts	v
Mallee (possibly Ooldea)	9		ts	v
Vertichordia	10		ls	v
Grey leafed succulent	11		ls	v
Yellow flowered sedge	12		se	v
Yellow flowered grevillea	13		ls	v
Sedge	14		se	v
Ghost gum (young and adult leaves)	15		lt	v
Acacia (broad leafed)	16		ts	v
Mallee (small nuts)	17		ts	v
Sedge	18		se	v
Small shrub (fine leaf)	19		ls	v
Oily shrub (purple green flowers)	20		ls	v
Ball leaf shrub	21		ls	v
Mallee with nuts	22		ls	v
Low shrub with buds	23		ls	v
Acacia	24		ls	v
Acacia (needle leaf with white veins)	25		ls	v
Acacia (big needle leaf with no white veins)	26	Sample destroyed by insects		

SPECIMEN	VOUCHER #	PREVIOUS VOUCHER #	VEG. TYPE	COVER
Ground cover	27		h	v
Ground cover with red flowers	28		h	v
Woody shrub with yellow flowers and green fruit	29		ls	v
Woody shrub with white flowers	30		ls	v
Grass tussock	31		tg	v
Low shrub	32		ls	v
Orange stemmed shrub	33		ls	v
Acacia (snow-pea shaped leaf)	34		ls	v
Upside-down plant – spiky	35		ls	v
Small herb	36		h	v
Sedge	37		se	v
Lemon flowered sedge	38		se	v

2.9 SITE 5-3

LOCATION

- Approximately 200m north of main track.
- GPS reading 29° 48.883' S
123° 54.242' E

DESCRIPTION

- Small dune
- Red soil
- Sparse vegetation - some spinifex

TRAP NIGHTS

- 70 pit-nights
- 225 Elliott trap-nights

DEATHS

- A *Ctenotus helenae* was accidentally run over. The body was preserved and deposited with the WA Museum (R146549).
- A *Ctenotus brooksi* was found in P2-3 in poor condition after being attacked by ants. It was euthanased and the body was preserved and deposited with the WA Museum (R146550).
- A *Pseudomys hermannsburgensis* was found dead in P2-7 on 15/10. The body was preserved and deposited with the WA Museum.

SITE 5-3 MAMMAL AND REPTILE SPECIES LIST

(List includes animals found through active searching – Mus and reptiles were not individually marked, and therefore may include recaptures)

Mammals (3 species)

Cercartetus concinnus (1 unprocessed juvenile)
Pseudomys hermannsburgensis (1 individual + 2 unprocessed)
Sminthopsis dolichura (1 individual)

Reptiles (9 species)

Ctenotus brooksi (5)
Ctenophorus fordii (1)
Ctenotus helenae (1)
Ctenophorus isolepis (1)
Ctenotus quattuordecimlineatus (1)
Gehyra purpurascens (1)
Lucasium damaeum (1)
Moloch horridus (1)
Nephurus laevis (1)

2.10 SITE 5-4

LOCATION

- Southeast side of track.
- GPS reading 29° 49.410' S
123° 54.855' E

DESCRIPTION

- Traplines run perpendicular to, and in between the track and an orange/red dune.
- Grevillea/hakea scrub over Triodia grassland.
- Either 1979 or 1984 burned.
- Grevilleas flowering.
- Soft red soil.
- Good litter in some areas, but little fallen wood.
- Evidence of camel, dingo, kangaroo and emu.

TRAP NIGHTS

- 80 pit-nights
- 250 Elliott trap-nights

DEATHS

- An unidentified *Neobatrachus* sp. was found. Taken as a voucher specimen and deposited with the WA Museum (146548).

SITE 5-4 MAMMAL AND REPTILE SPECIES LIST

(List includes animals found through active searching – Mus and reptiles were not individually marked, and therefore may include recaptures)

Mammals (4 species)

Cercartetus concinnus (3 unprocessed)
Ningauia (1 individual)
Notomys alexis (1 individual)
Pseudomys hermannsburgensis (3 individuals)

Reptiles and Frogs (10 species)

Ctenophorus isolepis (3)
Ctenotus calurus (1)
Ctenotus quattuordecimlineatus (1)
Ctenotus schomburgkii (3)
Lucasium damaeum (1)
Moloch horridus (1)
Morethia butleri (1)
Nephurus laevissimus (2)
Varanus eremius (1)

Frogs

Neobatrachus sp. (3)

3.0 ACKNOWLEDGMENTS

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Appendix 1. Trapping data sheets from Site 3

TRAPPING DATA SHEET

DATE: 9/10/2001

MOON PHASE: 1/2 moon

PITS: 15

SITE #: 3-1

TEMP: Minimum 12

ELLIOTTS: 45

Maximum 32

CAGES: nil

WEATHER CONDITIONS: Overcast with a brief spit of rain overnight

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ningau sp.	RP2	P1-4	F	8	24	121.9	68.9	53	12	7 young ~ 6.7mm long	tail injury from S. hirt.
Sminthopsis hirtipes	6	P1-4	F	12	29.5	161.4	83.7	77.7	16	4 young ~ 7mm long	
Ningau sp.	27	P1-6	M	6	23.4	131	65.5	65.5	11.2	Enlarged testes	mites
Cercartetus concinnus	1	P1-7	F	16	23.6	164.4	77	87.4		4 young ~ 11.4mm	
Ningau sp.	28	P1-6	M	8	23.7	131.4	69.8	61.6	11.5	Enlarged testes	Ear and body mites
Ctenophorus isolepis		P1-8	F	6		164	70	94			
AFTERNOON											
Ctenotus atlas		P1-6								Adult	
Ctenotus atlas		P2-7								Adult	
Diporiphora reginae		P2-5	M							Breeding condition	

TRAPPING DATA SHEET

DATE: 9/10/2001

SITE #: 3-1 Continued ...

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Ctenotus schomburgkii		P1-1	F							Gravid adult	
Ctenophorus fordi		P2-5	M							Juvenile	
Proablepharus reginae		P2-8								Breeding colour	Dropped tail

TRAPPING DATA SHEET

DATE: 10/10/2001

MOON PHASE: 1/2 moon

PITS: 15

SITE #: 3-1

TEMP: Minimum 8

ELLIOTTS: 45

Maximum 25

CAGES: nil

WEATHER CONDITIONS: Scattered cloud

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Sminthopsis hirtipes	8	P2-6	M	15	32.9	157.3	86.4	70.9	18.6		
Lucasium damaeum		P2-5	M			101	48	53			
Nephurus laevissimus		P2-2	M			71	57	14		Juvenile	
Nephurus laevissimus		P2-8	M			111	83	28		Adult	
Pseudomys hermannsburgensis RP13	E2-30		M	12	25.4	156	74.6	81.4	16.1		

TRAPPING DATA SHEET

DATE: 11/10/2001

MOON PHASE: 1/2 moon

PITS: 15

SITE #: 3-1

TEMP: Minimum 4

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS: Wispy cloud

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Diporiphora reginae		P1-1	M			190	56	134		Breeding condition	Killed by P. hermm.
Pseudomys hermannsburgensis	R16	P1-1	M	11							
AFTERNOON											
Ctenotus schomburgkii		P1-3									
Pseudomys hermannsburgensis	R16		Found dead later in day near P1-2 - had been beaten up yesterday in a pit on Grid 3-2 by a P. hermannsburgensis								
Diporiphora reginae		P1-4	M								
Ctenotus atlas		P2-5									
Ctenophorus isolepis		P2-3									
Ningau sp.	R 28	P2-4	M								
Varanus tristis tristis		P2-6	M								

TRAPPING DATA SHEET

DATE: 12/10/2001

MOON PHASE:

PITS: 15

SITE #: 3-1

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS: Windy and overcast

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Nothing caught											
AFTERNOON											
Ctenotus atlas		P2-6									
Moloch horridus		P2-1									

TRAPPING DATA SHEET

DATE: 13/10/2001

MOON PHASE:

PITS: 15

SITE #: 3-1

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ningauí sp.		P1-2	M							juvenile	
Ningauí sp.		P1-3	F							juvenile	

TRAPPING DATA SHEET

DATE: 9/10/2001

MOON PHASE: 1/2 moon

PITS: 14

SITE #: 3-2

TEMP: Minimum 12

ELLIOTTS: 45

Maximum 32

CAGES: nil

WEATHER CONDITIONS: Overcast with a brief spit of rain overnight

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ctenophorus fordii	P1-8		F							Gravid	
Ctenotus atlas	P1-2										
Delma butleri	P1-2										
Active Search											
Moloch horridus										Adult	
Moloch horridus										Sub-adult	
Lialis burtonis											

TRAPPING DATA SHEET

DATE: 10/10/2001

MOON PHASE: 1/2 moon

PITS: 14

SITE #: 3-2

TEMP: Minimum 8

ELLIOTTS: 45

Maximum 25

CAGES: nil

WEATHER CONDITIONS: Scattered cloud

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Cercartetus concinnus			F	6						Juv. - too small to mark, released at dusk	
Ningau sp.	31	P2-6	F	6	24.7	103.3	49.4	53.9	10.2	Sub-adult	
Ningau sp.	40	P1-2	F	6	20.9	113.3	55.3	58	11.7	7 young ~ 6mm	
Cercartetus concinnus	11	P2-1	M	12	23.8	147.3	63.4	83.9			
Cercartetus concinnus	10	P1-2	F	16	26.7	142.6	74.1	68.5		Lactating	
Pseudomys hermannsburgensis	16	P1-3	M	10	25	148.4	67.5	80.9	15.9	Has fleas - beaten up by other P. hermm.	
Pseudomys hermannsburgensis	17	P1-3	M	12	26	144.5	72.3	72.2	17		
Ningau sp.	32	P2-2	M	8	23.9	126	70.4	55.6	10		
Cercartetus concinnus	12	P1-6	F	13	24.5	149.8	76.4	73.4		Lactating	
Egernia inornata		P2-5				160	72	88		Adult	

TRAPPING DATA SHEET

DATE: 10/10/2001

SITE #: 3-2 Continued ...

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Diplodactylus granariensis		P2-4	M			90	53	37		Adult	
Cercartetus concinnus	13	P2-6	F	16	24.4	138	77.2	60.8		4 young ~ 6mm	
AFTERNOON											
Lialis burtonis		P1-4									
Proablepharus reginae		P1-5									
Ctenophorus isolepis		P2-4									

TRAPPING DATA SHEET

DATE: 11/10/2001

MOON PHASE: 1/2 moon

PITS: 14

SITE #: 3-2

TEMP: Minimum 4

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS: Wispy cloud

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Cercartetus concinnus	R11	P2-4	M								Ear notch close to position 2 or 4
Cercartetus concinnus		P2-6	M	4	18.2		51.8	53.9			Juv - too small to notch
Cercartetus concinnus	14	P2-8	F	16	23.3		83.6	82		4 pouch young	Mites
Notomys alexis	8	P2-5	F	26	30		97.1	128.8	28.5		Fleas
Cercartetus concinnus	R10	P1-1		16							
Cercartetus concinnus		P2-3	M	8	20		59.5				Juv - too small to notch
AFTERNOON											
Varanus gouldii		P1-5									
Ctenotus atlas		P1-5								Killed by V. gouldii	
Diporiphora reginae		P1-5								Killed by V. gouldii	

TRAPPING DATA SHEET

DATE: 11/10/2001

SITE #: 3-2 Continued ...

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Ctenophorus isolepis		P2-4								Sub-adult	
Ctenophorus isolepis		P2-5	M							Breeding condition	

TRAPPING DATA SHEET

DATE: 12/10/2001

MOON PHASE:

PITS: 14

SITE #: 3-2

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Cercartetus concinnus		P1-2	F	3							Juv - too small to notch
Pseudomys hermannsburgensis RP11		E1-4	M	12	25.4	157.3	71.2	86.1	17.4		Wrong ID - #11 was a female on last trip
Ningau sp.	33	P1-3	M	8	22.7	131.5	70.5	61	12.5		
Ctenotus atlas		P2-2									
Demansia psammophis cupreiceps		P1-3									
Ctenophorus isolepis		P2-4	M								

TRAPPING DATA SHEET

DATE: 13/10/2001

MOON PHASE:

PITS: 14

SITE #: 3-2

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ningui sp.	R27	P1-5	M								
Ningui sp.	34	P2-6	F								
Cercartetus concinnus		P2-4	F							Had pouch young - didn't ear notch	
Cercartetus concinnus		P2-5	F							Had pouch young - didn't ear notch	
Cercartetus concinnus		P2-7	F							Had pouch young - didn't ear notch	

TRAPPING DATA SHEET

DATE: 10/10/2001

MOON PHASE: 1/2 moon

PITS: 14

SITE #: 3-3

TEMP: Minimum 8

ELLIOTTS: 45

Maximum 25

CAGES: nil

WEATHER CONDITIONS: Scattered cloud

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Cercartetus concinnus	2	P1-4	M	14	23.9	141.1	70.7	70.4	11.4		
Pseudomys hermannsburgensis	15	P2-5	M	11	26.6	160.8	72.8	88	16.9		
Cercartetus concinnus	3	P2-3	M	9	24.6	146.1	70.9	75.2	9.8		
Cercartetus concinnus	4	P2-6	M	10	23.8	146.9	67.8	79.1	11.3		
Diplodactylus granariensis		P1-7	M								
Lucasium damaeum		P2-1	M								
Ningau sp.		P2-6	F							7 pouch young	Not processed
AFTERNOON											
Ctenotus schomburgkii		P2-5									
Diporiphora reginae		P2-4									
Ctenophorus fordii		P1-3									

TRAPPING DATA SHEET

DATE: 11/10/2001

MOON PHASE: 1/2 moon

PITS: 14

SITE #: 3-3

TEMP: Minimum 4

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS: Wispy cloud

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Pseudomys hermannsburgensis	R20	P1-5	M	12	25.5		73.5	75	16.3		
AFTERNOON											
Diporiphora reginae		P1-3									
Diporiphora reginae		P2-6									
Proablepharus reginae		P1-1	F								
Active Search											
Ctenophorus isolepis		Found injured on road, but didn't recover, so was euthanased									

TRAPPING DATA SHEET

DATE: 12/10/2001

MOON PHASE:

PITS: 14

SITE #: 3-3

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS: Windy and overcast

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Cercartetus concinnus	15	P2-5	F	13	24.9	173.7	79.1	94.6		Teats slightly enlarged	
Cercartetus concinnus	16	P2-3	M	9	23.1	133.3	63.2	70.1		Sub-adult	
AFTERNOON											
Diporiphora reginae		P2-7	M								
Ctenophorus fordi		P2-6	M								
Delma butleri		P2-6									
Diporiphora reginae		E2-30	M								
Diporiphora reginae		P1-5	F								
Diporiphora reginae		P2-4	M								
Diporiphora reginae		P2-2	M								

TRAPPING DATA SHEET

DATE: 13/10/2001

MOON PHASE:

PITS: 14

SITE #: 3-3

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Pseudomys hermannsburgensis RP13 E3-44			M								

TRAPPING DATA SHEET

DATE: 9/10/2001

MOON PHASE: 1/2 moon

PITS: 14

SITE #: 3-5

TEMP: Minimum 12

ELLIOTTS: 45

Maximum 32

CAGES: nil

WEATHER CONDITIONS: Overcast with a brief spit of rain overnight

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
AFTERNOON											
Proablepharus reginae		P2-3								Breeding colour adult	
Active Search											
Lialis burtonis											Half tail

TRAPPING DATA SHEET

DATE: 10/10/2001

MOON PHASE: 1/2 moon

PITS: 14

SITE #: 3-5

TEMP: Minimum 8

ELLIOTTS: 45

Maximum 25

CAGES: nil

WEATHER CONDITIONS: Scattered cloud

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ningau sp.	29	P1-5	F	8	23.1	126.1	70.9	55.2	11.8	Imminent birth	
Cercartetus concinnus	5	P1-6	M	8	24.3	139.8	65.3	74.5	11.1		
Ningau sp.	RP22	P1-2	F		24.7	117	61.7	55.3	12	Imminent birth - wrong ID. Was Male in April	
Cercartetus concinnus	6	P1-5	M	8	25.2	142.2	68.1	74.1			
Cercartetus concinnus	7	P1-5	F	10	22.9	147.7	68.2	79.5		nil	
Cercartetus concinnus	8	P1-8	F	14	23.8	158.9	73	85.9		nil	
Ningau sp.	30	P2-7	M	7	26	125.4	65.2	60.2	10.3		
Cercartetus concinnus	9	P2-2	F	18	24.8	166.4	84	82.4			
Nephrurus laevisissimus		P2-3	M			95	70	25			half grown
Nephrurus laevisissimus		P1-6	M			97	69	28			half grown

TRAPPING DATA SHEET

DATE: 10/10/2001

SITE #: 3-5 Continued ...

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Nephurus laevisimus		P1-8	M			101	76				half grown
Sminthopsis hirtipes	7	P2-1	F	16	32.5	144.2	70	74.2	17.2	4 young ~ 7mm	
AFTERNOON											
Ningui sp.	R29	P2-3	F					Recapture from this morning (P1-5) - she looks fine			
Ningui sp.	70	P2-7	F	Natural tear in position 70. Had young - released without processing							
Ctenotus schomburgkii		P2-2									

TRAPPING DATA SHEET

DATE: 11/10/2001

MOON PHASE: 1/2 moon

PITS: 14

SITE #: 3-5

TEMP: Minimum 4

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS: Wispy cloud

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Cercartetus concinnus	R5	P1-1	M	10							
AFTERNOON											
Ctenophorus fordi		P2-4									
Ctenotus schomburgkii		P1-1									

TRAPPING DATA SHEET

DATE: 12/10/2001

MOON PHASE:

PITS: 14

SITE #: 3-5

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS: Windy and overcast

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Mus mus		E-44	F						15.6	Pregnant	
Ningau sp.	R30	P2-4	M								
Cercartetus concinnus	R6	P2-6	M								
AFTERNOON											
Ctenophorus fordii		P1-3									
Pogona minor		P2-6									
Varanus gouldii		E3-43									

TRAPPING DATA SHEET

DATE: 13/10/2001

MOON PHASE:

PITS: 14

SITE #: 3-5

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Mus mus		E3-40	M								
Cercartetus concinnus		P1-6									
Cercartetus concinnus		P1-4									
Sminthopsis hirtipes	R8	P2-2									
Ningui sp.		P2-4	M								

TRAPPING DATA SHEET

DATE: 9/10/2001

MOON PHASE: 1/2 moon

PITS: -

SITE #: 3-8

TEMP: Minimum 12

ELLIOTTS: 50

Maximum 32

CAGES: nil

WEATHER CONDITIONS: Overcast with a brief spit of rain overnight

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Nothing caught											
Active Search											
Moloch horridus										juvenile	
Moloch horridus										juvenile	sloughing

TRAPPING DATA SHEET

DATE: 10/10/2001

MOON PHASE: 1/2 moon

PITS: -

SITE #: 3-8

TEMP: Minimum 8

ELLIOTTS: 50

Maximum 25

CAGES: nil

WEATHER CONDITIONS: Scattered cloud

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Nothing caught											

TRAPPING DATA SHEET

DATE: 11/10/2001

MOON PHASE: 1/2 moon

PITS: -

SITE #: 3-8

TEMP: Minimum 4

ELLIOTTS: 50

Maximum

CAGES: nil

WEATHER CONDITIONS: Wispy cloud

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Pseudomys hermannsburgensis	R13	E-1	M								

TRAPPING DATA SHEET

DATE: 12/10/2001

MOON PHASE:

PITS: -

SITE #: 3-8

TEMP: Minimum

ELLIOTTS: 50

Maximum

CAGES: nil

WEATHER CONDITIONS: Windy and overcast

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Nothing caught											

TRAPPING DATA SHEET

DATE: 13/10/2001

MOON PHASE:

PITS:

SITE #: 3-8

TEMP: Minimum

ELLIOTTS: 50

Maximum

CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Nothing caught											

TRAPPING DATA SHEET

DATE: 10/10/2001

MOON PHASE: 1/2 moon

PITS: -

SITE #: 3-9

TEMP: Minimum 8

ELLIOTTS: 72

Maximum 25

CAGES: nil

WEATHER CONDITIONS: Scattered cloud

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Nothing caught											

TRAPPING DATA SHEET

DATE: 11/10/2001

MOON PHASE: 1/2 moon

PITS: -

SITE #: 3-9

TEMP: Minimum 4

ELLIOTTS: 72

Maximum

CAGES: nil

WEATHER CONDITIONS: Wispy cloud

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ningau sp.		E-47	F							7 young ~ 6mm	Black texta left ear

TRAPPING DATA SHEET

DATE: 12/10/2001

MOON PHASE:

PITS: -

SITE #: 3-9

TEMP: Minimum

ELLIOTTS: 72

Maximum

CAGES: nil

WEATHER CONDITIONS: Windy and overcast

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Nothing caught											

Appendix 2. Trapping data sheets from Site 5

TRAPPING DATA SHEET

DATE: 14/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-1

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS: Clear

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ctenophorus fordii		P2-3	F	3		156	49	107		gravid	
Ctenotus brooksi		P2-4		1		98	35	63			
Ctenophorus fordii		P2-3	M	4		194	54	140			maturing
Ctenophorus isolepis		P2-1	M	5		137	50	87		breeding condition	missing 1/3 tail
Ctenotus schomburgkii		P2-7									
Ctenotus schomburgkii		P1-7									
Ctenophorus fordii		P2-4	M	3		186	49	137		breeding condition	
Ctenotus schomburgkii		P1-2									

TRAPPING DATA SHEET

DATE: 15/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-1

TEMP: Minimum 6

ELLIOTTS: 45

Maximum 29

CAGES: nil

WEATHER CONDITIONS: Spit of rain overnight, overcast with afternoon thunderstorm

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Cercartetus concinnus		P1-4	F	13	24.3	175.1	80.9	94.2		no young	
Lucasium damaeum		P2-2		<1		69	35	34		juvenile	
Neqhrurus laevisissimus		P1-6	M	15		111	80	31			
Pseudomys hermannsburgensis	4	P1-7	M	11	25	145	70	75	18		
Ctenotus schomburgkii		P1-1									
Ctenotus quattuordecimlineatus		P1-2				210	68	142			
AFTERNOON											
Ctenotus schomburgkii		P2-5									

TRAPPING DATA SHEET

DATE: 16/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-1

TEMP: Minimum 9

ELLIOTTS: 45

Maximum 16

CAGES: nil

WEATHER CONDITIONS: Drizzle, overcast

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Notomys alexis	2	P2-3	F	30	32	235	100	135	31		
Pogona minor		P1-3		18		236	85	151			
Ningau sp.	3	P1-3	M	11	25		78	58	12	bite marks on tail - 1/3 tail missing	
Nephrurus laevissimus		P2-5									

TRAPPING DATA SHEET

DATE: 17/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-1

TEMP: Minimum 3

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS: Clear

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ningau sp.	R3	P2-7									
Pseudomys hermannsburgensis 9		P1-4	M	12	22.2		66.1	69.8	17.1		
AFTERNOON											
Ctenotus quattuordecimlineatus		P2-3									
Ctenophorus fordii		P1-4									
Ctenotus atlas		P1-4									
Ctenotus schomburgkii		P2-2									
Ctenotus atlas		P1-3									

TRAPPING DATA SHEET

DATE: 18/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-1

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Pseudomys hermannsburgensis	13	P1-5	M	11	12.4		70	85	12		

TRAPPING DATA SHEET

DATE: 15/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-2

TEMP: Minimum 6

ELLIOTTS: 45

Maximum 29

CAGES: nil

WEATHER CONDITIONS: Spit of rain overnight, overcast with afternoon thunderstorm

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ningau sp.		P1-4	F	7						7 young ~ 5mm	
Ctenotus brooksi		P1-7		1		118	42	76			
Pseudomys hermannsburgensis	3	P2-3	M	12	25.4		73	59.5	17.9		
Ramphotyphlops sp.		P1-5		16		310				Taken as voucher specimen for ID	
Pseudomys hermannsburgensis		P2-5	M								
Pseudomys hermannsburgensis		P1-5	F								
Ctenotus schomburgkii		P1-6		<1							
Ningau sp.	2	P2-2	M	8	22.5	100.3	65.3	45	10		1/3 tail missing
Ningau sp.		P2-4	F							7 young ~ 5mm	
Pseudomys hermannsburgensis	5	P2-4	F		22		59	60	17		

TRAPPING DATA SHEET

DATE: 15/10/2001

SITE #: 5-2 Continued ...

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Pseudomys hermannsburgensis	6	P2-2	F	18	27.4		74.5	83.8	18.4	Lactating	
Pseudomys hermannsburgensis		P1-2	M								Tail cut
Egernia inornata		P2-2									
Pseudomys hermannsburgensis		P1-2	F								Mouth and nose cut
Pseudomys hermannsburgensis	7	P1-3	M		22.6		55	60.8	16.1	juvenile	

TRAPPING DATA SHEET

DATE: 16/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-2

TEMP: Minimum 9

ELLIOTTS: 45

Maximum 16

CAGES: nil

WEATHER CONDITIONS: Drizzle, overcast

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ningai sp.	4	P2-1	M	4	24	120	70	50	11		
Cercartetus concinnus		P2-6	M								
Cercartetus concinnus		P2-3	F								
Pseudomys hermannsburgensis		P2-1	M	13		148	80	68			
Pseudomys hermannsburgensis	8	P2-2	M	9	24	119	69	50	16	Tail injury - 1/3 missing	
Ningai sp.	5	P2-4	F	7	21	113	59	54	12	7 young ~ 5mm	
Ningai sp.	6	P1-2	F	7	24	139	73	66	12	8 young ~ 5mm	
Ningai sp.	7	P2-5	F	8	21	123	66	57	12	developed but empty pouch	
Nephrurus laevis		P1-1	M	11		101	76	25			
Ningai sp.	8	P1-1	F	9	22	129	69	60	13	developed but empty pouch	
Sminthopsis psammophila		P1-6	M	47	41.8		105.8	108.5	22.2	No ID notch	

TRAPPING DATA SHEET

DATE: 17/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-2

TEMP: Minimum 3

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS: Clear

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Cercartetus concinnus		P1-1	F	15	24.8		80.5	91.5		Some pouch development	
Pseudomys hermannsburgensis	10	P1-3	M	10	24.9		74.2	69.8	16.2		
Sminthopsis psammophila	2	P2-1	F	39	40.3		103	98.4	23.9	pouch stretched, lactating, nipples flaccid	
AFTERNOON											
Ctenophorus isolepis		P1-2									
Ctenopus quattuordecimlineatus		P2-3									

TRAPPING DATA SHEET

DATE: 18/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-2

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
<i>Sminthopsis psammophila</i>	R2	P1-2		34						Good milk dev.	Sores on feet

TRAPPING DATA SHEET

DATE: 13/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-3

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine - traps were'nt in place last night, so captures are only from the day

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
AFTERNOON											
Ctenophorus fordii			F								
Ctenophorus isolepis			M								

TRAPPING DATA SHEET

DATE: 14/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-3

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS: Clear

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Lucasium damaeum											

TRAPPING DATA SHEET

DATE: 15/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-3

TEMP: Minimum 6

ELLIOTTS: 45

Maximum 29

CAGES: nil

WEATHER CONDITIONS: Spit of rain overnight, overcast with afternoon thunderstorm

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Sminthopsis dolichura	1	P1-1	M	16	29.7		85.3	98.5	17.7		
Pseudomys hermannsburgensis		P2-7								Found dead - preserved	
Ctenotus quattuordecimlineatus		P2-6				124	48	76		sub-adult	
AFTERNOON											
Ctenotus brooksi		P2-3		1		107	33			ant attack - euthanased and preserved	
Ctenotus brooksi		P2-6		<1		118	43				tail injury
Active Search											
Gehyra purpurascens											
Ctenotus helenae										accidentally run over - preserved	

TRAPPING DATA SHEET

DATE: 16/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-3

TEMP: Minimum 9

ELLIOTTS: 45

Maximum 16

CAGES: nil

WEATHER CONDITIONS: Drizzle, overcast

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Pseudomys hermannsburgensis		P1-3	F							Juvenile	
Pseudomys hermannsburgensis		P2-2	F							Adult	
Nephrurus laevissimus		P2-2	M								

TRAPPING DATA SHEET

DATE: 17/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-3

TEMP: Minimum 3

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS: Clear

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Pseudomys hermannsburgensis 11		E34	M	13	25.4		70.5	73.9	17.2		
AFTERNOON											
Moloch horridus		E12									
Ctenotus brooksi		P1-3									

TRAPPING DATA SHEET

DATE: 18/10/2001

MOON PHASE:

PITS: 14

SITE #: 5-3

TEMP: Minimum

ELLIOTTS: 45

Maximum

CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Cercartetus concinnus		P2-6								Juvenile	

TRAPPING DATA SHEET

DATE: 14/10/2001

MOON PHASE:

PITS: 16

SITE #: 5-4

TEMP: Minimum

ELLIOTTS: 50

Maximum

CAGES: nil

WEATHER CONDITIONS: Clear

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ctenotus schomburgkii		P1-1									
Ctenotus schomburgkii		P1-1									

TRAPPING DATA SHEET

DATE: 15/10/2001

MOON PHASE:

PITS: 16

SITE #: 5-4

TEMP: Minimum 6

ELLIOTTS: 50

Maximum 29

CAGES: nil

WEATHER CONDITIONS: Spit of rain overnight, overcast with afternoon thunderstorm

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT-VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Pseudomys hermannsburgensis	1	P2-8	F	18	26.9	148.9	73.6	75.3	17.8		
Pseudomys hermannsburgensis	2	P1-7	M	11	25	152.4	72.4	80	17.7	Juvenile	
Ningau sp.	1	P2-4	M	10	23	126.3	67.5	58.8	12.1		
Lucasium damaeum		P1-8	M	1		116	55	61			
Nephrurus laevissimus		P1-6	M	9		103	78	25			
Notomys alexis	1	P1-2	F	18	29.2	221	102	119	30.4		
Nephrurus laevissimus		P2-2	M	13		99	75	24			
AFTERNOON											
Neobatrachus sp.		P2-4									
Ctenophorus isolepis		P1-4	M	4		154	49	105		Breeding colour	

TRAPPING DATA SHEET

DATE: 15/10/2001

SITE #: 5-4 Continued ...

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Ctenophorus isolepis		P2-7	M	5		154	51	103		Breeding colour	
Morethia butleri		P1-6		<1		101	43	58			
Varanus eremius		P2-2		45		376	142	234			
Moloch horridus		E57									
Ctenotus quattuordecimlineatus		E15									

TRAPPING DATA SHEET

DATE: 16/10/2001

MOON PHASE:

PITS: 16

SITE #: 5-4

TEMP: Minimum 9

ELLIOTTS: 50

Maximum 16

CAGES: nil

WEATHER CONDITIONS: Drizzle, overcast

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Neobatrachus sp.		P2-2		7		42					
Cercartetus concinnus		P1-1	F								
Cercartetus concinnus		P1-3	F							Enlarged teats	

TRAPPING DATA SHEET

DATE: 17/10/2001

MOON PHASE:

PITS: 16

SITE #: 5-4

TEMP: Minimum 3

ELLIOTTS: 50

Maximum

CAGES: nil

WEATHER CONDITIONS: Clear

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Neobatrachus sp.		P2-2									
Cercartetus concinnus		P2-3									
AFTERNOON											
Ctenotus calurus		P1-1		2		128	44				
Ctenotus schomburgkii		P1-4		1		99	39				
Ctenophorus isolepis		P1-5	F	3		147	45				
Ctenotus schomburgkii		P2-7		2		125	43				

TRAPPING DATA SHEET

DATE: 18/10/2001

MOON PHASE:

PITS: 16

SITE #: 5-4

TEMP: Minimum

ELLIOTTS: 50

Maximum

CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Pseudomys hermannsburgensis	12	P2-7	F	8	24		60	69	17	Young	

Appendix 3. Table used for describing and assessing vegetation

Key for describing vegetation type

tt	Tall tree (>30m)	h	Herbs
mt	Medium tree (10-30m)	g	Grass
lt	Low tree (5-10m)	tg	Tussock grass
		hg	Hummock grass
ts	Tall shrub (2-8m)	se	Sedge
ls	Low shrub (<2m)	f	Fern
		nv	Moss, lichen, algae

Key for describing vegetation cover

v	Very sparse	<10%
s	Sparse	10-30%
m	Mid-dense	30-70%
d	Dense	70-100%

	Type of Vegetation	Foliage Cover	Broad description of Vegetation Formation	Fully grown height of the highest level of vegetation		
				Over 30 metres	10 to 30 metres	5 to 10 metres
WOODLANDS	TREES					
	single-stemmed woody plants over 5 metres tall when fully grown	70-100%	Closed forest	Tall closed forest	Closed forest	Low closed forest
		30-70%	Open forest	Tall open forest	Open forest	Low open forest
		10-30%	Woodland	Tall woodland	Woodland	Low woodland
		< 10%	Open woodland	Tall open woodland	Open woodland	Low open woodland
	SHRUBS			2 to 8 metres		less than 2 metres
	usually multi-stemmed woody plants less than 8 metres high	70-100%	Closed shrubs	Closed scrub		Closed heath
		30-70%	Open shrubs	Open scrub		Open heath
		10-30%	Shrublands	Tall shrubland		Low shrubland
		< 10%	Open shrublands	Tall open shrubland		Low open shrubland
NON WOODY	HERBS			Description Based on Dominant Type of Herb		
	plants with non-woody stems	70-100%	Closed herblands	Either herblands, grasslands, sedgelands, tussock grasslands, fernlands or hummock grasslands		
		30-70%	Herblands			
		10-30%	Open herblands			
		< 10%	Very open herblands			
VARIOUS TYPES		varies	Formations of extreme, varied and altered habitats	Description Based on Habitat Types		
				ephemeral formations, mangrove, salt marsh, wetland, coastal dune, coastal cliff formations; alpine, desert complexes, altered formations		

Adapted from **Read, I.G., 1987. *The Bush – A Guide to the Vegetated Landscapes of Australia.*** Reed Books Pty Ltd, NSW.