FAUNA TRAPPING SURVEY

- GREAT VICTORIA DESERT -

October 2003

Glen Gaikhorst and Cathy Lambert (August 2004 Report to CALM)
Fauna Licence No.



TABLE OF CONTENTS

				Page
1.	INTE	RODUCTION		1
2.	RESU	ULTS	•••••	2
		Table 1. Su	immary list of specimens sent to	
		M	Iuseum of WA	3
		Table 2. Su	ammary list of all mammal	
		ca	aptures since 2000	4
		Table 3. Su	immary list of all reptile	
		ca	eptures since 2000	5
		Table 4. Su	ummary list of all bird	
		si	ghtings since 2000	5
	2.1	Site 5-1	• • • • • • • • • • • • • • • • • • • •	6
	2.2	Site 5-2	• • • • • • • • • • • • • • • • • • • •	6
	2.3	Site 5-7	• • • • • • • • • • • • • • • • • • • •	6
	2.4	Site 5-9		6
	2.5	Site 5-10		6
	2.6	Site Campsi	ite 6	6
	2.7	Site 6-1	• • • • • • • • • • • • • • • • • • • •	6
	2.8	Site 6-2	• • • • • • • • • • • • • • • • • • • •	6
	2.9	Site 6-3	• • • • • • • • • • • • • • • • • • • •	6
	2.10	Site 6-4	•••••	6
3.	APPI	ENDICES		6

1.0 INTRODUCTION

• 6-1 We set a sort of funnel trap made out of fly-wire and large PVC pipe in an attempt to catch the Woma that we caught here in March 2003. The shed skins of captive womas were used to mark a scent trail leading to the trap, but we had no luck.

camp 6

Trenches were dug to look for signs of marsupial moles. Marsupial mole holes
were found in a trench at the above GPS co-ordinates. Photos, diagrams and
descriptions were taken as per the recommendations in the Mole Patrol
information sheets, and will shortly be sent off to Colleen O'Malley at the
Threatened Species Network in Alice Springs.

6-2

• A species of *Ramphotyphlops* was caught in P1-2 on 22/10, but could not be identified. It most closely resembled R. margaretae (known from only one specimen), so it was euthanased, preserved in formalin, and given to the museum for identification. Examination at the museum identified it as R. bituberculatus.

6.4

• There were lots of Thorny Devils (*Moloch horridus*) digging to lay eggs around this grid, as there were in many places around the entire Site 6 area.

The full report on this field trip has not been compiled yet. However, the species summary list is complete for this trapping session, along with the 4 previous field trips.

Some interesting things to come out of this field trip, were the finding of marsupial mole tunnels, and an active mulgara burrow. Trenches were dug into sand-dunes as per instructions from the "Mole Patrol" people (sourced from an edition of Landscope), with a great tunnel system found in one of the trenches. Measurements, descriptions and photos were taken, which will be sent in an added to an Australia-wide database. An active mulgara burrow was also found, but despite surrounding the area with Elliott traps, no animal was caught. We will revisit this site and have another attempt to capture the animal.

No analysis of data has been carried out yet, but there have been some obvious changes in the pattern of captures since beginning the project in 2000. There had been some good seasons leading up to 2000/01 in the Great Victoria Desert, followed by very poor and scattered rainfall events in 2002/03. Our trapping data follows this pattern, with larger numbers and diversity of mammals captured in the first 2 years followed by a noticeable drop-off in 2003. Sand-hill Dunnarts were only captured in 2001, despite us returning to those same capture sites twice in 2003. Perhaps they have moved on to more productive areas, have not managed to survive the lean times, or have survived in low numbers and will return to trappable numbers when conditions improve. The boom/bust pattern found amongst many desert species may

impact particularly badly on Sandhill Dunnarts, because of their low numbers. It would be expected that the other more common mammal species would recover more easily.

It was interesting to note that the reptiles didn't always follow the same decline in diversity as the mammals did following the drier 2 years. On the last field trip, the diversity of reptiles captured was greater than on any other trip, with a number of species captured that we had not seen on any of the previous 4 field trips.

2.0 RESULTS

Table 1. Summary list of specimens sent to Museum of WA

SPECIMEN	DATE	CAPTURE POINT	VOUCHER NUMBER	CIRCUMSTANCES OF DEATH
Ctenotus quattuordecimilineatus	21/10/03	Site 6-2	R154422	Found dead in Elliott trap E1-10 - ants, heat?
Ramphotyphlops sp.	22-10-03	Site 6-2	R154423	Unable to identify, so euthanased and taken as voucher specimen. Later identified by museum as R. bituberculatus.
Ctenotus pantherinus ocellifer	23-10-03	Site 6-2	R154421	Found dead on track – likely ran it over
Insects from Site 5 pits				
Insects from Site 6 pits				

<u>Table 2.</u> Summary list of all mammal captures since 2000

SPECIES NAME (10 total)	SITE 1 OCT.	SITE 2 OCT.	SITE 3 MAR.	SITE 3 OCT.	SITE 3 MAR.	SITE 4 MAR.	SITE 5 OCT.	SITE 5 MAR.	SITE 5 OCT.	SITE 6 OCT.
	2000	2000	2001	2001	2003	2001	2001	2003	2003	2003
Cercartetus concinnus	X		X	X	X	X	X			X
Mus mus			X	X		X				
Ningaui sp.	X	X	X	X	X	X	X	X	X	X
Notomys alexis		X	X	X		X	X			
Pseudomys desertor		X						X		X
Pseudomys hermannsburgensis	X		X	X		X	X	X	X	X
Sminthopsis dolichura	X						X			
Sminthopsis hirtipes	X		X	X		X				
Sminthopsis ooldea			X							
Sminthopsis psammophila			X			X	X			
# Mammal species per site	5	3	8	6	2	7	6	3	2	4

<u>Table 3.</u> Summary list of all reptile captures since 2000

SPECIES NAME (61 total)	SITE 1 OCT. 2000	SITE 2 OCT. 2000	SITE 3 MAR. 2001	SITE 3 OCT. 2001	SITE 3 MAR. 2003	SITE 4 MAR. 2001	SITE 5 OCT. 2001	SITE 5 MAR. 2003	SITE 5 OCT. 2003	SITE 6 OCT. 2003
Aspidites ramsayi								X		
Brachyurophis fasciolatus fasciata									X	
Brachyurophis semifasciatus										X
Ctenophorus clayi						X			X	
Ctenophorus cristatus	X		X					X	X	
Ctenophorus fordi	X		X	X			X		X	X
Ctenophorus isolepis gularis	X		X	X		X	X	X	X	X
Ctenophorus scutulatus		X								
Ctenotus atlas	X	X	X	X		X	X	X		X
Ctenotus brooksi	X		X				X	X	X	X
Ctenotus calurus	X						X			
Ctenotus helenae						X	X			X
Ctenotus leae	X							X	X	X
Ctenotus pantherinus ocellifer		X								X
Ctenotus quattuordecimilineatus	X		X			X	X	X		X
Ctenotus schomburgkii	X	X	X	X	X	X	X	X	X	X
Cyclodomorphus melanops			X		X					
elongatus										
Delma australis					X			X		
Delma butleri		X	X	X					X	X
Delma fraseri patersoni										X
Demansia psammophis psammophis	X	X	X	X					X	X

<u>Table 3.</u> Summary list of all reptile captures since 2000 (Cont.)

SPECIES NAME	SITE 1 OCT. 2000	SITE 2 OCT. 2000	SITE 3 MAR. 2001	SITE 3 OCT. 2001	SITE 3 MAR. 2003	SITE 4 MAR. 2001	SITE 5 OCT. 2001	SITE 5 MAR. 2003	SITE 5 OCT. 2003	SITE 6 OCT. 2003
Diplodactylus conspicillatus		X								X
Diplodactylus damaeum	X			X	X		X	X	X	X
Diplodactylus granariensis granariensis	X			X				X	X	X
Diplodactylus pulcher		X								
Diplodactylus squarrosus			X							
Diplodactylus stenodactylus						X				
Diplodactylus wellingtonae		X								
Diporiphora linga									X	X
Diporiphora reginae	X		X	X	X	X				X
Egernia inornata				X			X			X
Egernia striata	X	X								
Eremiascincus richardsonii								X		
Gehyra purpurascens	X		X				X	X	X	X
Heteronotia binoei		X								
Lerista bipes	X	X	X			X		X	X	X
Lerista desertorum	X									X
Lerista tridactyla	X									
Lialis burtonis	X		X	X		X		X		X
Menetia greyii	X		X					X	X	X
Moloch horridus	X	X	X	X	X	X	X	X	X	X
Morethia butleri		X	X				X	X	X	X

<u>Table 3.</u> Summary list of all reptile captures since 2000 (Cont.)

SPECIES NAME	SITE 1 OCT. 2000	SITE 2 OCT. 2000	SITE 3 MAR. 2001	SITE 3 OCT. 2001	SITE 3 MAR. 2003	SITE 4 MAR. 2001	SITE 5 OCT. 2001	SITE 5 MAR. 2003	SITE 5 OCT. 2003	SITE 6 OCT. 2003
Nephrurus laevissimus	X		X	X			X	X	X	X
Parasuta monachus			X						X	
Pogona minor	X	X	X	X		X	X	X	X	X
Proablepharus reginae			X	X		X			X	X
Pseudechis butleri			X							
Pseudonaja modesta										X
Pseudonaja nuchalis (gwardar)	X		X							
Pygopus nigriceps	X		X		X	X			X	
Ramphotyphlops australis									X	X
Ramphotyphlops bituberculatus										X
Ramphytophlops sp.							X			
Rhynchoedura ornata		X						X	X	
Simoselaps bertholdi	X		X							X
Strophrurus assimilis	X		X					X	X	X
Strophrurus elderi	X									X
Tiliqua occipitalis	X	X							X	
Tiliqua rugosa rugosa		X								
Varanus eremius	X		X				X	X		X
Varanus gouldii gouldii		X	X	X						X
Varanus tristis tristis				X		X				X
# Reptile Species per site	30	19	29	17	7	15	18	23	27	38

<u>Table 4.</u> Summary list of all bird sightings since 2000

SPECIES NAME (58 total)	Site 1 October 2000	Site 2 October 2000	March- April 2001	Site 5 October 2003	Site 6 October 2003
Babbler					
- White-browed		X	X		X
Bee-eater, Rainbow		X		X	
Bellbird, Crested	X	X			X
Budgerigar		X			X
Bustard (Australian)			X		
Butcherbird					
- Grey		X			X
- Pied	X				
Button-quail					
- Little				X	
Chat					
- Crimson				X	
Crow					
- Little	X	X			
Cuckoo-shrike					
- Black-faced	X	X	X	X	X
Currawong					
- Grey		X			X
Dotterel					
- Black-fronted					
Ducks					
- Pink-eared			X		
- Musk			X		

<u>Table 4.</u> Summary list of all bird sightings since 2000 (Cont.)

SPECIES NAME	Site 1 October 2000	Site 2 October 2000	March- April 2001	Site 5 October 2003	Site 6 October 2003
- Mountain			X		
- Wood			X		
- Grey Teal			X		
- Pacific Black			X		
Eagle					
- Wedge-tailed	X	X	X		X
- Little				X	
Emu		X	X		
Fairy-wren					
- Splendid		X			
Falcon					
- Brown		X	X		X
- Peregrine		X			
Finch					
- Zebra		X			
Frogmouth					
- Tawny	X				X
Galah	X	X	X		X
Goshawk, Brown				X	X
Kestrel, Australian		X			
Honey-eater					
- Spiny-cheeked	X	X		X	
- White-fronted	X				X

<u>Table 4.</u> Summary list of all bird sightings since 2000 (Cont.)

SPECIES NAME	Site 1 October 2000	Site 2 October 2000	March- April 2001	Site 5 October 2003	Site 6 October 2003
Kingfisher					
- Red-backed	X				
Lorikeet					
- Purple-crowned			X		
Miner					
- Yellow-throated	X	X	X		X
Nightjar					
- Spotted			X		X
Owl					
- Boobook			X	X	
Owlet-nightjar, Australian		X			X
Pardalote					
- Striated	X		X		X
Parrot					
- Mulga		X			
- Port Lincoln	X	X	X	X	X
- Princess					X
- Regent		X			
- Scarlet-chested			X	X	X
Pigeon					
- Common Bronzewing		X	X	X	X
- Crested		X			
Raven					
- Australian	X	X	X	X	X

<u>Table 4.</u> Summary list of all bird sightings since 2000 (Cont.)

SPECIES NAME	Site 1 October 2000	Site 2 October 2000	March April 2001	Site 5 October 2003	Site 6 October 2003
Robin					
- Red-capped	X	X	X	X	
Shrike-thrush					
- Grey	X	X	X	X	
Stilt					
- Black-winged			X		
Thornbill					
- Chestnut-rumped	X	X		X	X
- Inland			X		
- Western				X	X
Wattlebird					
- Little			X		
- Red	X			X	X
Weebill			X		
Whistler					
- Rufous			X		
Woodswallow					
- White-browed			X		

2.1 SITE 5-1

LOCATION

- This is the Site 5 campsite
- GPS reading 29°48.715' S 123°54.373' E

DESCRIPTION

- Grevillea/Callitris tall shrubland over Triodia grassland?
- Either 1979 or 1984 burned.

TRAP NIGHTS

No traps were set in this area – only active night searches were conducted in the swale area of 5-1.

INTERESTING NOTES

• We set a sort of funnel trap made out of fly-wire and large PVC pipe in an attempt to catch the Woma that we caught here in March 2003. The shed skins of captive womas were used to mark a scent trail leading to the trap, but we had no luck.

MAMMAL AND REPTILE SPECIES LIST

(No traps were set at this site – captures are from active searching only)

Mammals

nil

Reptiles (8 species)

Brachyurophis fasciolatus fasciata (1)

Ctenophorus cristatus (1)

Diplodactylus damaeum (2)

Diplodactylus granariensis granariensis (1)

Gehyra purpurascens (2)

Pygopus nigriceps (1)

Rhynchoedura ornata (3)

Strophrurus assimilis (1)

2.2 SITE 5-2

LOCATION

• GPS reading 29°48.715' S 123°54.373' E Same as 5-1???

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.

TRAP NIGHTS

- 80 pit-nights
- 96 Elliott trap-nights

INTERESTING NOTES

• Insects were collected from all grids at Site 5 and preserved for museum

MAMMAL AND REPTILE SPECIES LIST

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

Mammals (2 species)

Pseudomys hermannsburgensis (2 individuals) Ningaui (2 individuals)

Reptiles (13 species)

Ctenophorus fordi (1)

Ctenotus brooksi (6)

Ctenotus leae (1)

Delma butleri (1)

Diplodactylus damaeum (1)

Diporiphora linga (1)

Lerista bipes (2)

Menetia greyii (2)

Moloch horridus (1)

Morethia butleri (1)

Nephrurus laevissimus (11)

Proablepharus reginae (1)

Strophrurus assimilis (1)

2.3 SITE 5-7

LOCATION

- Trap-lines run on east side of, and perpendicular to the main track.
- GPS reading at P2-1 29° 48.658' S 123° 54.496' E

DESCRIPTION

- A line of Elliotts was spread along the top of a dune, with pit lines running along either side in the swales.
- Either 1979 or 1984 burned.
- Allocasuarina/grevillea low shrubland with the odd emergent eucalypt, over triodia grassland

TRAP NIGHTS

- 60 pit-nights
- 80 Elliott trap-nights

MAMMAL AND REPTILE SPECIES LIST

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

Mammals (1 species)

Ningaui (1 individual)

Reptiles (7 species)

Ctenotus leae (1)

Delma butleri (1)

Diplodactylus damaeum (1)

Lerista bipes (3)

Nephrurus laevissimus (4)

Ramphotyphlops australis (1)

Tiliqua occipitalis (1)

2.4 SITE 5-9

LOCATION

- Trap-lines run on the west side of, and perpendicular to the main track, starting 100m in off the track.
- GPS reading at P1-1 29° 48.530' S 123° 54.365' E

DESCRIPTION

- Trap-lines run perpendicular to a dune, with the ends of the lines reaching to just over the crest.
- Either 1979 or 1984 burned.
- Hakea/allocasuarina/callitris low shrubland with emergent eucalypts (ghost gums), over open triodia grassland
- Yellow sand

TRAP NIGHTS

- 85 pit-nights
- 96 Elliott trap-nights

MAMMAL AND REPTILE SPECIES LIST

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

Mammals (2 species)

Pseudomys hermannsburgensis (2 individuals) Ningaui (1 individual)

Reptiles (7 species)

Ctenophorus isolepis (1)

Ctenotus schomburgkii (1)

Demansia psammophis psammophis (1)

Lerista bipes (1)

Nephrurus laevissimus (10)

Parasuta monachus (1)

Pogona minor (1)

2.5 SITE 5-10

LOCATION

- On east side of track directly behind (further to the east of) grid 5-7, which begins at the track.
- GPS reading 29°48.656' S 123°54.559' E

DESCRIPTION

- Traplines at right angles to track with one Elliott line running along the top of a dune, one in a swale, and the pits along the length of the slopes.
- Allocasuarina/Grevillea low shrubland with occasional emergent Callitris/mallee over triodia grassland.
- Either 1979 or 1984 burned.

TRAP NIGHTS

- 52 pit-nights
- 78 Elliott trap-nights

MAMMAL AND REPTILE SPECIES LIST

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

Mammals (1 species)

Ningaui (3 individuals)

Reptiles (5 species)

Ctenophorus clayii (1)

Ctenophorus isolepis (2)

Ctenotus schomburgkii (1)

Diplodactylus damaeum (1)

Nephrurus laevissimus (7)

2.6 SITE Campsite 6

LOCATION

- On south side of track
- GPS reading taken about 150m in from the track.

29°58.797' S 124°00.005' E

DESCRIPTION

- Campsite on flat ground with a large yellow dune rising up to the south, running east/west.
- Either 1979 or 1984 burned.

TRAP NIGHTS

• 12 pit-nights

INTERESTING NOTES

• Trenches were dug to look for signs of marsupial moles. Marsupial mole holes were found in a trench at the above GPS co-ordinates. Photos, diagrams and descriptions were taken as per the recommendations in the Mole Patrol information sheets, and will shortly be sent off to Colleen O'Malley at the Threatened Species Network in Alice Springs.

MAMMAL AND REPTILE SPECIES LIST

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

Mammals - nil

Reptiles (16 species)

Ctenotus atlas (1)

Brachyurophis semifasciatus (2)

Diplodactylus conspicillatus (1)

Diplodactylus damaeum (2)

Diplodactylus granariensis gr. (1)

Diporiphora reginae (2)

Gehyra purpurascens (1)

Lerista bipes (1)

Moloch horridus (3)

Morethia butleri (1)

Nephrurus laevissimus (2)

Pseudonaja modesta (1)

Ramphotyphlops australis (1)

Simesolaps bertholdi (1)

Strophrurus elderi (1)

Varanus tristis tristis (2)

2.7 SITE 6-1

LOCATION

- In approximately 20m on south side of track, with Site 6-2 on other side of track.
- GPS reading 29°57.849' S 123°58.200' E

DESCRIPTION

- Traplines begin in orange soil on the flat, which then changes to more yellowish sand as the lines run up towards the crest of a dune. The Elliotts continue over the crest, while the pits stop just before it.
- Low open marble gum woodland with occasional mallee, a mid-storey of open mixed shrubland (grevillea, callitris, acacia and occasional hakea) over open triodia grassland.
- The triodia was heavily seeding, the grevillea flowering, the acacia was just beginning to flower, and the hakea had finished flowering and had pods developing.
- There is little leaf litter, except beneath the gums.
- There are cat prints.
- Either 1979 or 1984 burned.

TRAP NIGHTS

- 84 pit-nights
- 120 Elliott trap-nights

INTERESTING NOTES

• Insects were collected from all grids at Site 6 and preserved for museum

MAMMAL AND REPTILE SPECIES LIST

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

Mammals (2 species)

Pseudomys hermannsburgensis (1 individual) Ningaui (1 individual)

Reptiles (15 species)

Ctenotus atlas (4) Ctenotus brooksi (1) Diplodactylus damaeum (1) Diporiphora linga (1)

Egernia inornata (3)

Ctenophorus isolepis (5) Delma butleri (2)

Lerista bipes (1)

Lerista desertorum (1)

Lialis burtonis (1)

Morethia butleri (1)

Nephrurus laevissimus (7) Ramphotyphlops australis (1) Strophrurus assimilis (1) Strophrurus elderi (2)

2.8 SITE 6-2

LOCATION

- In approximately 20m on north side of track, with Site 6-1 on other side of track.
- GPS reading 29°57.826' S 123°58.617' E

DESCRIPTION

- Traplines set at right angles to road in hard orange-red dirt on a low-lying plain in the swale between dunes.
- Tall open mallee with mixed low open shrubland of acacia grevillea, hakea and a few callitris, over open triodia grassland.
- Acacia and orange grevillea flowering, hakea just finished flowering, and the triodia was seeding heavily. Low herbs and small shrubs were also flowering.
- There was not much in the way of fallen branches, but there was some litter build up beneath the mallee. There were a few small hollows in the mallee.
- There were signs of cats.
- Either 1979 or 1984 burned.

TRAP NIGHTS

- 84 pit-nights
- 120 Elliott trap-nights

DEATHS

- A *Ctenotus quattuordecimilineatus* was found dead in an Elliott trap (E1-10) on 21/10. The cause was possibly heat or ants. The body was preserved and given to the museum.
- A *Ctenotus pantherinus* was found dead on the track on 23/10, apparently run over. It was preserved and given to the museum.

INTERESTING NOTES

• A species of *Ramphotyphlops* was caught in P1-2 on 22/10, but could not be identified. It most closely resembled R. margaretae (known from only one specimen), so it was euthanased, preserved in formalin, and given to the museum for identification. Examination at the museum identified it as R. bituberculatus.

MAMMAL AND REPTILE SPECIES

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

Mammals (3 species)

Cercartetus concinnus (2 individuals) Pseudomys desertor (1 individual) Pseudomys hermannsburgensis (2 individuals)

Reptiles (9 species)

Ctenotus pantherinus ocellifer (5) Ctenotus quattuordecimilineatus (1)

Ctenotus schomburgkii (1)

Demansia psammophis psammophis (2)

Ctenophorus isolepis (8)

Delma butleri (2)

Nephrurus laevissimus (2)

Ramphotyphlops sp. (1) collected for museum – later identified as R. bituberculatus

Varanus eremius (6)

2.9 SITE 6-3

LOCATION

- In approximately 105m on south side of track.
- GPS reading 29°58.140' S 123°59.012' E

DESCRIPTION

- Traplines running up a gentle dune and angled towards the southwest. Elliotts continued just over the crest, with pits stopping just before the crest.
- Yellow sand.
- Low open mallee with emergent marble gums over low mixed open shrubland (Leptospermum erubescens?, a few grevillea, callitris and numerous smaller unidentified shrubs), over low triodia grassland.
- Triodia was heavily seeding and the odd grevillea was flowering.
- There was a little leaf litter, but only under gums.
- Signs of cats.
- Either 1979 or 1984 burned.

TRAP NIGHTS

- 70 pit-nights
- 120 Elliott trap-nights

INTERESTING NOTES

• There was a fairly large amount of hair found on the front of E1-7 on 21/10. The trap was shut, and cat prints had been seen in the area. A sample was taken for identification.

MAMMAL AND REPTILE SPECIES LIST

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

Mammals (3 species)

Cercartetus concinnus (2 individuals) Pseudomys hermannsburgensis (2 individuals) Ningaui (2 individuals)

Reptiles (15 species)

Brachyurophis semifasciatus (2) Ctenophorus fordi (4) Ctenotus atlas (1) Ctenotus brooksi (2) Ctenotus helenae (1) Ctenotus leae (5)

Ctenotus quattuordecimilineatus (1)

Diporiphora linga (2)

Egernia inornata (5)

Lerista bipes (2)

Nephrurus laevissimus (2)

Pogona minor (2)

Proablepharus reginae (1)

Ramphotyphlops australis (1) Varanus gouldii (1)

2.10 SITE 6-4

LOCATION

- In approximately 35m on north side of track.
- GPS reading 29°58.064' S 123°59.084' E

DESCRIPTION

- Traplines running up a very gradually rising small dune, but not reaching the crest.
- Low open mallee with mixed low open shrubland of Allocasuarina and Acacia, with the occasional grass-tree over open triodia grassland.
- Triodia only seeding in patches, and nothing much else flowering.
- Some leaf litter beneath gums only.
- Either 1979 or 1984 burned.

TRAP NIGHTS

- 70 pit-nights
- 119 Elliott trap-nights

INTERESTING NOTES

• There were lots of Thorny Devils (*Moloch horridus*) digging to lay eggs around this grid, as there were in many places around the entire Site 6 area.

MAMMAL AND REPTILE SPECIES

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

Mammals (2 species)

Cercartetus concinnus (2 individuals) Pseudomys hermannsburgensis (1 individual)

Reptiles (13 species)

Brachyurophis semifasciata (1)

Ctenophorus isolepis (1)

Ctenotus atlas (2)

Delma fraseri pattersoni? (1)

Diporiphora linga (1)

Egernia inornata (2)

Gehyra purpurascens (1)

Lerista bipes (1)

Menetia greyii (1)

Morethia butleri (1)

Nephrurus laevissimus (6) Ramphotyphlops australis (1) Strophrurus elderi (1)

Appendix 1. Trapping data sheets from Site 5

DATE: 15/10/2003 MOON PHASE: 2/3 moon # PITS: nil

SITE #: 5-1 TEMP: Minimum # ELLIOTTS: nil

Maximum 25 # CAGES: nil

WEATHER CONDITIONS: Fine and cool

SPECIES	I.D.	TRAP#	SEX	LENGTH	LENGTH (mm)	VENT	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
Active Search previous day/n	ight								
Rhynchoedura ornata									
Gehyra purpurascens									

DATE: 16/10/2003 MOON PHASE: 1/2 moon # PITS: nil

SITE #: 5-1 TEMP: Minimum 12 # ELLIOTTS: nil

Maximum 30 # CAGES: nil

WEATHER CONDITIONS: Fine and cool overnight

SPECIES	I.D.	TRAP#	SEX	LENGTH	LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	REPRODUCTIVE CONDITION	COMMENTS
Active Search previous day/n	ight								
Rhynchoedura ornata									
Diplodactylus damaeum									
Ctenophorus cristatus									

DATE: 17/10/2003 MOON PHASE: 1/2 moon # PITS: nil

SITE #: 5-1 TEMP: Minimum 14 # ELLIOTTS: nil

Maximum 37 # CAGES: nil

WEATHER CONDITIONS: Overcast early a.m. - otherwise clear, but very windy and hot

SPECIES	I.D.	TRAP#	SEX	 LENGTH	LENGTH	VENT	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
Active Search previous day/night									
nil									

DATE: 18/10/2003 MOON PHASE: 1/2 moon # PITS: nil

SITE #: 5-1 TEMP: Minimum 12 # ELLIOTTS: nil

Maximum 22 # CAGES: nil

WEATHER CONDITIONS: Clear and windy overnight

SPECIES	I.D.	TRAP#	SEX		LENGTH	LENGTH (mm)	VENT	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
Active Search previous day/n	night									
Brachyurophis fasciolata fascia	ata			11		330				
Diplodactylus granariensis gr.				7		97	59			
-										

DATE: 19/10/2003 MOON PHASE: 1/2 moon # PITS: nil

SITE #: 5-1 TEMP: Minimum 4 # ELLIOTTS: nil

Maximum # CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP#	SEX	 LENGTH	LENGTH (mm)	SNOUT- VENT LENGTH (mm)	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
Active Search previous day/n	night								
Diplodactylus assimilis									
Rhynchoedura ornata									
Diplodactylus damaeum									
Gehyra purpurascens									
Pygopus nigriceps									

DATE: 15/10/2003 MOON PHASE: 2/3 moon # PITS: 16

SITE #: 5-2 TEMP: Minimum # ELLIOTTS: nil

Maximum 25 # CAGES: nil

WEATHER CONDITIONS: Fine and cool

SPECIES	I.D.	TRAP#	SEX	WT. (g)		LENGTH (mm)		TAIL LENGTH (mm)		REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ningaui	22	P1-4	М	8	24		68.9	55.4	12.6	Scrotum L 9.0, W 7.1	
Pseudomys hermannsburgensi	s 16	P1-8	F	15	24.5		64	76	17.4		
Nephrurus laevissimus		P2-3	М	15		109	82	27			
AFTERNOON											
Ctenotus brooksi		P2-7		1		116	39	77			
Ctenotus brooksi		P1-6		<1		89	33	56		Sub-adult	
Morethia butleri		P2-5	М	3		110	46	64			

DATE: 16/10/2003 MOON PHASE: 1/2 moon # PITS: 16

SITE #: 5-2 TEMP: Minimum 12 # ELLIOTTS: 24

Maximum 30 # CAGES: nil

WEATHER CONDITIONS: Fine and cool overnight

SPECIES	I.D.	TRAP#	SEX	WT. (g)	HEAD LENGTH (mm)	(mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)		REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Pseudomys hermannsburgensi	s 17	P1-9	M		26		71.7	79.8	17.9		
Nephrurus laevissimus		P2-5	М	14		106	77	29			
AFTERNOON											
Ctenotus brooksi		P1-6		1		99	40	59			
Menetia greyii		P1-4		<1		77	30	47			
Ctenotus leae		P2-3		2		158	54	104		Not a very big red/pink	c flush
Menetia greyii		P2-2		<1		60	32	28		Regen. Tail	
Delma butleri		P2-5				277	72	205			
Ctenotus brooksi		P2-5		<1		116	37	79			

DATE: 17/10/2003 MOON PHASE: 1/2 moon # PITS: 16

SITE #: 5-2 TEMP: Minimum 14 # ELLIOTTS: 24

Maximum 37 # CAGES: nil

WEATHER CONDITIONS: Overcast early a.m. - otherwise clear, but very windy and hot

SPECIES	I.D.	TRAP#	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)		TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ningaui		P2-4	F							6 P.Y. ~ 5mm. Not pro	ocessed
Nephrurus laevissimus		P1-3	М	12		104	79	25			
AFTERNOON											
Ctenotus brooksi		P1-7		1		121	42	79			
Proablepharus reginae		P1-6		<1		105	37	68			
Ctenophorus fordi		P1-6		4		181	50	131			
Diporiphora linga		P1-6	М	4		167	49	118			
Moloch horridus		P1-6		18		121	68	53			

DATE: 18/10/2003 MOON PHASE: 1/2 moon # PITS: 16

SITE #: 5-2 TEMP: Minimum 12 # ELLIOTTS: 24

Maximum 22 # CAGES: nil

WEATHER CONDITIONS: Clear and windy overnight

SPECIES	I.D.	TRAP#	SEX	WT. (g)	HEAD LENGTH (mm)	(mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ningaui		P1-4	F							6 P.Y. ~ 5mm - proba	bly recapture
Nephrurus laevissimus		P1-1	М	14		104	58	46			
Nephrurus laevissimus		P1-6	М	4		75	58	17		Juvenile	
Strophrurus assimilis		P1-9		9		121	72	49		Scar on top of head	
Diplodactylus damaeum		P1-3	М	3		108	54	54			
Nephrurus laevissimus		P2-8	М	5		78	61	17			
Lerista bipes		P2-5		<1		95	54	41			
Nephrurus laevissimus		P2-2		10		101	78	23			
Nephrurus laevissimus		P2-3		9		96	74	22		Sloughing	
Nephrurus laevissimus		P2-3		12		103	79	24			

DATE: 19/10/2003 MOON PHASE: 1/2 moon # PITS: 16

SITE #: 5-2 TEMP: Minimum 4 # ELLIOTTS: 24

Maximum # CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP#	SEX	WT. (g)	TOTAL LENGTH (mm)		LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING									
Lerista bipes		P2-8							
Nephrurus laevissimus		P2-2	M						
Nephrurus laevissimus		P2-6	F						
Ctenotus brooksi		P2-6							

DATE: 16/10/2003 MOON PHASE: 1/2 moon # PITS: 15

SITE #: 5-7 TEMP: Minimum 12 # ELLIOTTS: 20

Maximum 30 # CAGES: nil

WEATHER CONDITIONS: Fine and cool overnight

SPECIES	I.D.	TRAP#	SEX	WT. (g)	LENGTH	LENGTH (mm)			LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
nil											
AFTERNOON											
Tiliqua occipitalis		E1-4	M	300		415	276	139		Breeding male	Bite marks on head and left flank
Delma butleri		P1-6				282	63	219			

DATE: 17/10/2003 MOON PHASE: 1/2 moon # PITS: 15

SITE #: 5-7 TEMP: Minimum 14 # ELLIOTTS: 20

Maximum 37 # CAGES: nil

WEATHER CONDITIONS: Overcast early a.m. - otherwise clear, but very windy and hot

SPECIES	I.D.	TRAP#	SEX		LENGTH	LENGTH (mm)	SNOUT- VENT LENGTH (mm)	LENGTH		REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Nephrurus laevissimus		P2-7	М	12		97	62	35		Breeding condition	Regen. tail
Ningaui	24	P2-6	М	9	25.1		65.9	55.8	12.1		
Nephrurus laevissimus		P1-1	М	12		104	80	24			
AFTERNOON											
Ctenotus leae		P2-1		2		174	53	121			

DATE: 18/10/2003 MOON PHASE: 1/2 moon # PITS: 15

SITE #: 5-7 TEMP: Minimum 12 # ELLIOTTS: 20

Maximum 22 # CAGES: nil

WEATHER CONDITIONS: Clear and windy overnight

SPECIES	I.D.	TRAP#	SEX		HEAD LENGTH (mm)	LENGTH (mm)	SNOUT- VENT LENGTH (mm)	LENGTH	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Diplodactylus damaeum		P1-3		2		44	40	4			Lost tail
Ramphotyphlops australis		P1-4		18		320	311	9			
Nephrurus laevissimus		P1-3	М								Not processed
Lerista bipes		P1-3		<1		143	46	97			

DATE: 19/10/2003 MOON PHASE: 1/2 moon # PITS: 15

SITE #: 5-7 TEMP: Minimum 4 # ELLIOTTS: 20

Maximum # CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP#	SEX	LENGTH	LENGTH (mm)	SNOUT- VENT LENGTH (mm)	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
MORNING									
Nephrurus laevissimus		P2-3	M					Juvenile	
Lerista bipes		P1-6						Adult	
Lerista bipes		P1-7						Adult	

DATE: 15/10/2003 MOON PHASE: 2/3 moon # PITS: 17

SITE #: 5-9 TEMP: Minimum # ELLIOTTS: nil

Maximum 25 # CAGES: nil

WEATHER CONDITIONS: Fine and cool

SPECIES	I.D.	TRAP#	SEX	LENGTH	LENGTH (mm)	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
MORNING								
nil								
AFTERNOON								
Demansia psammophis ps.		P2-5						~ 50cm

DATE: 16/10/2003 MOON PHASE: 1/2 moon # PITS: 17

SITE #: 5-9 TEMP: Minimum 12 # ELLIOTTS: 24

Maximum 30 # CAGES: nil

WEATHER CONDITIONS: Fine and cool overnight

SPECIES	I.D.	TRAP#	SEX	LENGTH	LENGTH (mm)	SNOUT- VENT LENGTH (mm)	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
MORNING									
nil									
AFTERNOON									
Demansia psammophis ps.		P2-4							~50cm

DATE: 17/10/2003 MOON PHASE: 1/2 moon # PITS: 17

SITE #: 5-9 TEMP: Minimum 14 # ELLIOTTS: 24

Maximum 37 # CAGES: nil

WEATHER CONDITIONS: Overcast early a.m. - otherwise clear, but very windy and hot

SPECIES	I.D.	TRAP#	SEX	WT. (g)		LENGTH (mm)		TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Pseudomys hermannsburgensis	s R16	E1-12	F	13							
Nephrurus laevissimus		P1-7	F	17		114	88	26		Possibly early gravid	
Pseudomys hermannsburgensis	s 18	P1-1	М		25		65.3	79.7	18.8	3.8 Last 35mm tail degloved - betadine a	
AFTERNOON											
Lerista bipes		P2-6		<1		77	49	28		Lost tip of tail	
Ctenophorus isolepis		P2-1	M	2		133	41	92		Sub-adult	
Ctenotus schomburgkii		P2-1		1		94	33	61			
Pogona minor		P1-7	М	32		296	105	191			

DATE: 18/10/2003 MOON PHASE: 1/2 moon # PITS: 17

SITE #: 5-9 TEMP: Minimum 12 # ELLIOTTS: 24

Maximum 22 # CAGES: nil

WEATHER CONDITIONS: Clear and windy overnight

SPECIES	I.D.	TRAP#	SEX	WT. (g)	HEAD LENGTH (mm)	, <i>,</i>		TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Nephrurus laevissimus		P1-8	М	12		107	83	24			
Pseudomys hermannsburgensi	s	P1-2	М								Escaped at pit
Nephrurus laevissimus		P1-8	М	16		108	82	26			
Nephrurus laevissimus		P1-8	F	18		115	90	25			
Nephrurus laevissimus		P1-6	F	18		112	87	25			
Parasuta monachus		P2-6									
Nephrurus laevissimus		P1-5	F	6		84	64	20			
Ningaui	27	P1-4	M	7	23.4		65	50.6	12		
Nephrurus laevissimus		P2-8	М	7		85	65	20			
Nephrurus laevissimus		P2-2	F	27		125	95	30			

DATE: 19/10/2003 MOON PHASE: 1/2 moon # PITS: 17

SITE #: 5-9 TEMP: Minimum 4 # ELLIOTTS: 24

Maximum # CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP#	SEX	LENGTH	LENGTH (mm)	VENT	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
MORNING									
Nephrurus laevissimus		P1-8							
Nephrurus laevissimus		P1-8							

DATE: 16/10/2003 MOON PHASE: 1/2 moon # PITS: 13

Maximum 30 # CAGES: nil

WEATHER CONDITIONS: Fine and cool overnight

SPECIES	I.D.	TRAP#	SEX		LENGTH	LENGTH	SNOUT- VENT LENGTH (mm)	LENGTH		REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ctenophorus isolepis		P2-3	F	5		170		52			
Ningaui	23	P1-2	М	8	22.3		63.2	49	11.8		
AFTERNOON											
Ctenophorus clayii		P2-6		1		84	35	49		hatchling	

DATE: 17/10/2003 MOON PHASE: 1/2 moon # PITS: 13

Maximum 37 # CAGES: nil

WEATHER CONDITIONS: Overcast early a.m. - otherwise clear, but very windy and hot

SPECIES	I.D.	TRAP#	SEX		LENGTH	LENGTH (mm)	SNOUT- VENT LENGTH (mm)	LENGTH		REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ningaui	R23	P2-2	М	7							
Ningaui	25	P1-4	F	9	24.3		66.8	54.3	12.2	Pouch developing	
Nephrurus laevissimus		P1-2	М			98	74	24			
Diplodactylus damaeum		P2-7	М	2		103	51	52			

DATE: 18/10/2003 MOON PHASE: 1/2 moon # PITS: 13

SITE #: 5-10 TEMP: Minimum 12 # ELLIOTTS: 19

Maximum 22 # CAGES: nil

WEATHER CONDITIONS: Clear and windy overnight

SPECIES	I.D.	TRAP#	SEX	WT. (g)		(mm)			LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Nephrurus laevissimus		P2-1	М							adult	
Nephrurus laevissimus		P2-2	F							adult	
Ningaui		P2-2	F							6 P.Y. ~ 6mm - not pro	ocessed
Ctenophorus isolepis		P1-3		18		195	62	133			
Nephrurus laevissimus		P1-3	F			127	101	26			
Nephrurus laevissimus		P2-3	М	14		96	77	19			
Nephrurus laevissimus		P2-3	F	23		116	92	24		Gravid	
Ctenotus schomburgkii		P1-6		<1		112	41	71			
Ningaui	26	P1-3	М	9	24		69,2	51.5	11.7		

DATE: 19/10/2003 MOON PHASE: 1/2 moon # PITS: 13

SITE #: 5-10 TEMP: Minimum 4 # ELLIOTTS: 19

Maximum # CAGES: nil

WEATHER CONDITIONS:

SPECIES	I.D.	TRAP#	SEX		LENGTH	LENGTH (mm)	VENT	TAIL LENGTH (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING										
Ningaui	R26	P2-6	M	9						
Nephrurus laevissimus		P2-2	F							

Appendix 2. Trapping data sheets from Site 6

DATE: 20/10/2003 MOON PHASE: 1/3 moon # PITS: nil

SITE #: Camp-site 6 TEMP: Minimum 5 # ELLIOTTS: nil

Maximum 30 # CAGES: nil

SPECIES	I.D.	TRAP#	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)		LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Active Search previous day/n	ight									
Strophrurus elderi										
Moloch horridus										
Moloch horridus										
Diplodactylus damaeum										
Diplodactylus conspicillatus										

DATE: 21/10/2003 MOON PHASE: 1/3 moon # PITS: 3

SITE #: Camp-site 6 TEMP: Minimum 8 # ELLIOTTS: nil

Maximum 30 # CAGES: nil

SPECIES	I.D.	TRAP#	SEX	LENGTH	LENGTH (mm)	SNOUT- VENT LENGTH (mm)	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
Morethia butleri		Pit							
Ctenotus atlas		Pit							
Diporiphora reginae		Pit							

DATE: 22/10/2003 MOON PHASE: 1/4 moon # PITS: 3

SITE #: Camp-site 6 TEMP: Minimum 11 # ELLIOTTS: nil

Maximum 32 # CAGES: nil

SPECIES	I.D.	TRAP#	SEX	(0)	LENGTH	LENGTH	SNOUT- VENT LENGTH (mm)	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
Active Search previous day/r	ight									
Pseudonaja modesta						472		68		
			•	` •	•	•		,	t, but had the juvenile b t a general grey colour	U 1

DATE: 23/10/2003 MOON PHASE: Sliver # PITS: 3

SITE #: Camp-site 6 TEMP: Minimum 12 # ELLIOTTS: nil

Maximum 31 # CAGES: nil

WEATHER CONDITIONS: Clear most of the night, cloudy early a.m. and also on & off throughout the day

SPECIES	I.D.	TRAP#	SEX		LENGTH	LENGTH (mm)	SNOUT- VENT LENGTH (mm)	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
Active Search previous day/n	ight									
Brachyurophis semifasciatus				9		290		30		
Ramphotyphylops australis				5		182		7	youngster	

DATE: 24/10/2003 MOON PHASE: Sliver # PITS: 3

SITE #: Camp-site 6 TEMP: Minimum 13 # ELLIOTTS: nil

Maximum 26 # CAGES: nil

WEATHER CONDITIONS: Windy and clear overnight. Occasional scattered high cloud througout day

SPECIES	I.D.	TRAP#	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	VENT	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Active Search previous day/r	night										
Diporiphora reginae		Pit	F								
Diplodactylus granariensis		Pit									
Lerista bipes		Pit									
Lerista bipes		Pit									
Nephrurus laevissimus											
Gehyra purpurascens		Pit									
Diplodactylus damaeum											
Brachyurophis semifasciatus				11		326	302	24		Was white in colour , where band on head ι	
Simesolaps bertholdi				8		226	203	23			
Varanus tristis tristis			М	360		685	279	406			
Varanus tristis tristis			М	429		736	268	468			
Moloch horridus											

DATE: 20/10/2003 MOON PHASE: 1/3 moon # PITS: 13 (p.m. only)

SITE #: 6-1 TEMP: Minimum 5 # ELLIOTTS: nil

Maximum 30 # CAGES: nil

SPECIES	I.D.	TRAP#	SEX		LENGTH	LENGTH (mm)	VENT	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
AFTERNOON										
Pseudomys hermannsburgensi	s	P1-1	M						Juvenile -released	
Diporiphora linga		P1-2	М	2		142	42	100		

DATE: 21/10/2003 MOON PHASE: 1/3 moon # PITS: 14

SITE #: 6-1 TEMP: Minimum 8 # ELLIOTT

Maximum 30 # CAGES:

SPECIES	I.D.	TRAP#	SEX	WT. (g)	HEAD LENGTH (mm)	LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION
MORNING										
Nephrurus laevissimus		P1-5	М	12		94	70	24		
Nephrurus laevissimus		P1-3	М	13		102	78	24		
Egernia inornata		P1-4		9		132	66	66		Regenerated tail-tip
AFTERNOON										
Morethia butleri		P1-4		1		95	42	53		Old bite wound scars a
Ctenotus atlas		P1-3		2		194	58	136		

DATE: 22/10/2003 MOON PHASE: 1/4 moon # PITS: 14

SITE #: 6-1 TEMP: Minimum 11 # ELLIOTTS: 24

Maximum 32 # CAGES: nil

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 atlas		P1-1		4		162	51	111			
Ctenotus atlas		P1-1		6		198	60	138			
Strophrurus elderi		P1-4	М	2		64	42	22		Exuded sticky repellar	nt fluid when handled
Egernia inornata		P2-6		8		133	66	67			
Ctenophorus isolepis		P2-1	М	3		158	48	110		Breeding colour	
Active Search											
Strophrurus assimilis			F	7		121	70	51			
AFTERNOON											
Delma butleri		P2-5		5		298	76	222			
Lialis burtoni		P1-5		7		269	162	107		Regenerated tail - gre	y colour form
Ctenophorus isolepis		P1-2	M	3		145	46	99		Immature	

DATE: 23/10/2003 MOON PHASE: Sliver # PITS: 14

SITE #: 6-1 TEMP: Minimum 12 # ELLIOTTS: 24

Maximum 31 # CAGES: nil

WEATHER CONDITIONS: Clear most of the night, cloudy early a.m. and also on & off throughout the day

SPECIES	I.D.	TRAP#	SEX	WT. (g)	LENGTH	(mm)	SNOUT- VENT LENGTH (mm)		LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ctenotus brooksi		P2-1		<1		100	38	62			
Strophrurus elderi		P1-3	М	2		64	43	21			
Diporiphora damaeum		P2-7	М	2		97	46	51			
Egernia inornata		P1-7		12		171	72	99			
Nephrurus laevissimus		P1-6	F	14		107	80	27		Gravid	
Lerista bipes		P1-2		<1		71	60	11		Broken and regenerat	ed tail
Nephrurus laevissimus		P1-7	М	12		105	82	23		Some scarring on hea	d
AFTERNOON											
Ctenophorus isolepis		P1-2	M	2		155	49	106		Young breeding male	

DATE: 24/10/2003 MOON PHASE: Sliver # PITS: 14

SITE #: 6-1 TEMP: Minimum 13 # ELLIOTTS: 24

Maximum 26 # CAGES: nil

WEATHER CONDITIONS: Windy and clear overnight. Occasional scattered high cloud througout 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
MORNING											
Nephrurus laevissimus		P1-4	М	5		74	58	16			
Nephrurus laevissimus		P1-4	М	11		104	76	28			
Ctenophorus isolepis		P2-2	F	3		134	43	91			
Nephrurus laevissimus		P1-3	F	16		110	81	29		Gravid	
Lerista desertorum		P2-5		4		152	78	74			
Ramphotyphlops australis		P2-4		11		282	270	12		Inland form	
AFTERNOON											
Ctenotus atlas		P2-5	F	6		175	62	113		Gravid	
Delma butleri		P2-1		4		312	67	245			
Ctenophorus isolepis		P1-3	М	5		156	48	108		Breeding condition	

DATE: 25/10/2003 MOON PHASE: nil # PITS: 14

SITE #: 6-1 TEMP: Minimum # ELLIOTTS: 24

Maximum # CAGES: nil

SPECIES	I.D.	TRAP#	SEX	 LENGTH	LENGTH (mm)	VENT	LENGTH		REPRODUCTIVE CONDITION	COMMENTS
MORNING										
Ningaui	2	P1-1	M	22.5		67	59.3	12.8		

DATE: 20/10/2003 MOON PHASE: 1/3 moon # PITS: 14

SITE #: 6-2 TEMP: Minimum 5 # ELLIOTTS: nil

Maximum 30 # CAGES: nil

SPECIES	I.D.	TRAP#	SEX		LENGTH	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)			REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Pseudomys desertor	1	P1-3	М	30	33.5		93.2	84.4	20.5		
Pseudomys hermansburgensis	1	P2-2	М	7	24		60.5	70.8	16		
AFTERNOON											
Delma butleri		P2-6		2		150	66	84		Lost end of tail, and lo his back end.	ts of wounds around
Active Search											
Demansia psammophis											
Varanus eremius											

DATE: 21/10/2003 MOON PHASE: 1/3 moon # PITS: 14

SITE #: 6-2 TEMP: Minimum 8 # ELLIOTTS: 24

Maximum 30 # CAGES: nil

SPECIES	I.D.	TRAP#	SEX	WT. (g)	(mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
Active Search a.m.										
Demansia psammophis										
AFTERNOON										
Ctenotus pantherinus		P1-7		3	128	52	76			
Ctenotus pantherinus		P2-1		8	172	73	99			
Ctenophorus isolepis		P2-5	F	3	153	49	104		Gravid	
Ctenotus pantherinus		P1-3		2	128	50	78		Scar on lower back	
Egernia eremius		P1-2	М	49	386	151	235			
Egernia eremius		P1-1	F	47	384	145	239			
Egernia eremius		P2-4	М	63	399	149	250		Scar on left side of up	per part of tail
Ctenophorus isolepis		P2-3	М	3	146	47	99		Breeding colour	
Ctenotus quattuordecimilineatu	IS	E1-10							Died in Elliott - preser	ved for museum

DATE: 22/10/2003 MOON PHASE: 1/4 moon # PITS: 14

SITE #: 6-2 TEMP: Minimum 11 # ELLIOTTS: 24

Maximum 32 # CAGES: nil

SPECIES	I.D.	TRAP#	SEX	WT. (g)	LENGTH (mm)		TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING										
Ctenotus schomburgkii		P1-6		1	107	40				
Ramphotyphlops sp.		P1-2		3	259	253	6		Possibly R. margareta preserved for museum	
Active Search										
Ctenophorus isolepis										
Ctenophorus isolepis										
Ctenophorus isolepis										
AFTERNOON										
Ctenophorus isolepis		P2-2	М	4	158	47	111		Breeding condition - e pores	nlarged brown femoral
Nephrurus laevissimus		P2-3	М	5	87	67	20		Sub-adult	
Delma butleri		P1-3		3	284	64	220			

DATE: 23/10/2003 MOON PHASE: Sliver # PITS: 14

SITE #: 6-2 TEMP: Minimum 12 # ELLIOTTS: 24

Maximum 31 # CAGES: nil

WEATHER CONDITIONS: Clear most of the night, cloudy early a.m. and also on & off throughout the day

SPECIES	I.D.	TRAP#	SEX	WT. (g)	HEAD LENGTH (mm)	LENGTH (mm)			LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ctenophorus isolepis		P2-?		4		138	43			Missing most of LHL	
AFTERNOON											
Ctenotus pantherinus										Found dead on track - Preserved for museun	ı 1
Varanus eremius		P1-4					140	242		Dug down outside of p fly-wire base	oit & was found under
Ctenophorus isolepis		P2-1	М	7		197	58	139			
Ctenophorus isolepis		P2-7	М	4		166	50	116		Breeding condition	
Varanus eremius		P2-5	М	55		419	155	264			
Ctenotus pantherinus		P2-4		7		157	60	97			

DATE: 24/10/2003 MOON PHASE: Sliver # PITS: 14

SITE #: 6-2 TEMP: Minimum 13 # ELLIOTTS: 24

Maximum 26 # CAGES: nil

WEATHER CONDITIONS: Windy and clear overnight. Occasional scattered high cloud througout day

SPECIES	I.D.	TRAP#	SEX		LENGTH	LENGTH (mm)	SNOUT- VENT LENGTH (mm)	LENGTH		REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Cercartetus concinnus	3	P2-2	F	8	20		65.8	71.6	11.2	Undeveloped pouch	
Nephrurus laevissimus		P2-2	M	5		87	66			Juvenile	
Cercartetus concinnus	4	P2-2	M	6	22.2		74.9	76.5	11.3		

DATE: 25/10/2003 MOON PHASE: nil # PITS: 14

SITE #: 6-2 TEMP: Minimum # ELLIOTTS: 24

Maximum # CAGES: nil

SPECIES	I.D.	TRAP#	SEX		LENGTH	LENGTH (mm)	VENT	LENGTH		REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Pseudomys hermannsburgensi	s 5	P2-2	М	9	24.4		60.6	59	17		
Ctenotus quattuordecimilineatu	ıs	P2-2		3		153	48				

SITE #: 6-3 TEMP: Minimum 5 # ELLIOTTS: nil

Maximum 30 # CAGES: nil

SPECIES	I.D.	TRAP#	SEX		LENGTH	LENGTH (mm)	VENT	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
AFTERNOON										
Ctenotus leae		P2-7	F	3		181	58	123	Gravid	
Egernia inornata		P1-5		6		125	63	62	Regenerated tail	
Ctenotus quattuordecimilineatu	IS	P1-5		2		143	44	99		

DATE: 21/10/2003 MOON PHASE: 1/3 moon # PITS: 14

SITE #: 6-3 TEMP: Minimum 8 # ELLIOTTS: 24

Maximum 30 # CAGES: nil

SPECIES II.	.D.	TRAP#	SEX	WT. (g)				TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Ramphotyphlops australis		P2-6		4		256	246	10		More sharply snouted	inland form
Ningaui		P2-5								6 young ~ 5mm - rele	ased without proc.
Cercartetus concinnus	1	P2-6	F	10	22.6		68.2	80.5	11.6	Pouch very tight - pro	bably empty
Ningaui	1	P2-3	М	8	22.7		63.9	53.3	11.8		
Cat hair??		E1-7								Lots of hair on front o still in there. Took as	trap - closed, but bait sample
Pseudomys hermannsburgensis	2	P2-2	М	13	26.6		70.3	84.5	18.4		
Active Search											
Ctenotus brooksi & helenae											
AFTERNOON											
Pseudomys hermannsburgensis	R2							•		t release this a.m. Loo elease after about 10 r	-
Ctenotus leae		P1-6		1		178	56	122			
Ctenophorus fordi		P1-6		2		180	48	132		Breeding condition	
Diporiphora linga		P2-6	М	3		129	41	88			
Ctenophorus fordi		P2-5	F	2		154	47	107		Gravid. Small scar or under jaw	top of head and
Diporiphora linga		P2-4	М	2		148	46	102		Scars on head	

DATE: 22/10/2003 MOON PHASE: 1/4 moon # PITS: 14

SITE #: 6-3 TEMP: Minimum 11 # ELLIOTTS: 24

Maximum 32 # CAGES: nil

SPECIES	I.D.	TRAP#	SEX	WT. (g)	HEAD LENGTH (mm)	, <i>,</i>		TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Nephrurus laevissimus		P2-6		7		78	72	6		Freshly lost tail tip	
Egernia inornata		P1-4		4		125	61	64			
Cercartetus concinnus	R1	P2-4									
AFTERNOON											
Ctenotus leae		P2-7	F	3		165	55	110		1/2 regenerated tail. (Gravid
Nephrurus laevissimus	R	P2-2								Tail tip gone	
Lerista bipes		P2-3				90	47	43			
Ctenophorus fordi		P1-7	F	3		159	48	111		Possibly recently laye	d eggs - loose skin
Proablepharus reginae		P1-1		<1			35	49		Non-breeding. 35mm	of tail found in trap
Ctenotus leae		P2-6		3		186	52	134			
Ctenotus atlas		P2-4								Escaped at trap	
Ctenotus leae		P2-4		3		178	52	126			
Varanus gouldii		P2-5	М	275		669	252	417			

DATE: 23/10/2003 MOON PHASE: Sliver # PITS: 14

SITE #: 6-3 TEMP: Minimum 12 # ELLIOTTS: 24

Maximum 31 # CAGES: nil

WEATHER CONDITIONS: Clear most of the night, cloudy early a.m. and also on & off throughout the day

SPECIES	I.D.	TRAP#	SEX		LENGTH	LENGTH (mm)	SNOUT- VENT LENGTH (mm)	LENGTH		REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Nephrurus laevissimus		P1-5		4		70	53	17		Juvenile	
Pseudomys hermannsburgensi	s 3	P2-7	М	15	24.2		67.1	74.6	17		
AFTERNOON											
Pogona minor		P2-5	F	54		309	117	192		Gravid	
Pogona minor		P2-3		21		223	86	137		Scars on head	

DATE: 24/10/2003 MOON PHASE: Sliver # PITS: 14

SITE #: 6-3 TEMP: Minimum 13 # ELLIOTTS: 24

Maximum 26 # CAGES: nil

WEATHER CONDITIONS: Windy and clear overnight. Occasional scattered high cloud througout day

SPECIES	I.D.	TRAP#	SEX		LENGTH	TOTAL LENGTH (mm)	SNOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Lerista bipes		P1-5		<1		86	47	39			
Nephrurus laevissimus		P2-5	М	4		73	54	19		Juvenile	
Egernia inornata		P2-7		10		127	73	54		Regenerated tail, scar	on head
Nephrurus laevissimus		P2-3	М	11		103	78	25		Just sloughed	
Egernia inornata		P2-1		12		133	75	58		Heavily spotted. Tip missing from tail	
Cercartetus concinnus	6	P2-5	F	12	22.8		72.8	71.8	12	Developing pouch, bu	t no young yet
Brachyurophis semifasciatus		P1-5		4		232	208	24			
Brachyurophis semifasciatus		P1-5		10		344	307	37			
AFTERNOON										Dita marka an baak an	
Ctenophorus isolepis		P2-3		4		164	50	114		Bite marks on back an pores enlarged and ve	ery orange
Ctenophorus isolepis		P2-3		3		157	48	109		Bite marks on upper b pores enlarged and ve	•
Ctenotus brooksi		P2-3		1		80	41	39		Missing tail tip	
Ctenophorus fordi		P2-6	F	5		185	52	133			
Ctenotus atlas		P2-4	F	4		187	56	131		Gravid	

DATE: 25/10/2003 MOON PHASE: nil # PITS: 14

SITE #: 6-3 TEMP: Minimum # ELLIOTTS: 24

Maximum # CAGES: nil

SPECIES	I.D.	TRAP#	SEX		LENGTH	LENGTH (mm)	VENT	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
MORNING										
Egernia inornata				10		129	73		Scar on lett hip. 1/3 retip, so double regen.	egen. tail, with black

DATE: 21/10/2003 MOON PHASE: 1/3 moon # PITS: 14

SITE #: 6-4 TEMP: Minimum 8 # ELLIOTTS: 23

Maximum 30 # CAGES: nil

SPECIES	I.D.	TRAP#	SEX		LENGTH	LENGTH (mm)		LENGTH	REPRODUCTIVE CONDITION	COMMENTS
MORNING										
nil										
AFTERNOON										
Delma fraseri pattersoni		P2-3		15			114	~350		

DATE: 22/10/2003 MOON PHASE: 1/4 moon # PITS: 14

SITE #: 6-4 TEMP: Minimum 11 # ELLIOTTS: 24

Maximum 32 # CAGES: nil

SPECIES	I.D.	TRAP#	SEX	WT. (g)	LENGTH (mm)			LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING										
Egernia inornata		P2-5		11	157	74	83			
Nephrurus laevissimus		P1-6	M	12	99	76	23			
AFTERNOON										
Ctenotus atlas		P1-5		3	167	58	109			
Ctenophorus isolepis		P1-6	М	5	159	49	110		Brown enlarged femor	als
Ctenotus atlas		P1-5	F	7		67			Gravid	

DATE: 23/10/2003 MOON PHASE: Sliver # PITS: 14

SITE #: 6-4 TEMP: Minimum 12 # ELLIOTTS: 24

Maximum 31 # CAGES: nil

WEATHER CONDITIONS: Clear most of the night, cloudy early a.m. and also on & off throughout 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
MORNING											
Lerista bipes		P2-1				57	49	8		Broken off tail	
Nephrurus laevissimus		P1-4	F	20		122	90	32			
Nephrurus laevissimus		P2-7	М	12		99	79	20			
Gehyra purpurascens		P1-7		4		83	49	34		Lost tail tip	
Egernia inornata		P2-1		6		125	60	65			
Brachyurophis semifasciata		P2-3		10		307	274	33			
Ramphotyphlops australis		P2-5		11		287	274	13		Inland form - sharper :	snout
AFTERNOON											
Diporiphora linga		P1-6		4		131	40	91			
Morethia butleri		P1-3		3		105	45	60		Gravid	
Ctenotus atlas		P1-3		4		204	77	127			
Cercartetus concinnus	2	P2-7	F		22.2		70.2	88.6	13.1		

DATE: 24/10/2003 MOON PHASE: Sliver # PITS: 14

SITE #: 6-4 TEMP: Minimum 13 # ELLIOTTS: 24

Maximum 26 # CAGES: nil

WEATHER CONDITIONS: Windy and clear overnight. Occasional scattered high cloud througout day

SPECIES	I.D.	TRAP#	SEX	WT. (g)		TOTAL LENGTH (mm)			LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
MORNING											
Pseudomys hermannsburgensi	s 4	P1-7	М	12	25.1		70	78.9	17.6		
Cercartetus concinnus	4	P2-3	М	6	21.5		65.4	75	10.5		
Menetia greyii		P2-4		<1		70	33	37		Regen. tail	
Strophrurus elderi		P1-4									
Nephrurus laevissimus		P1-3	F	20		119	93	26		Gravid	
Nephrurus laevissimus		P1-1	М	12		102	75	27			

DATE: 25/10/2003 MOON PHASE: nil # PITS: 14

SITE #: 6-4 TEMP: Minimum # ELLIOTTS: 24

Maximum # CAGES: nil

SPECIES	I.D.	TRAP#	SEX	 LENGTH	LENGTH (mm)	VENT	LENGTH	REPRODUCTIVE CONDITION	COMMENTS
MORNING									
nil									