

FAUNA TRAPPING SURVEY

- GREAT VICTORIA DESERT -

September-October 2000

March-April 2001

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(June 2001 Report to CALM)

Flora Licence No. SL005646

Fauna Licence No. SF003257



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

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1.0 INTRODUCTION

The aim of our study is to gather data on the endangered Sandhill Dunnart (*Sminthopsis psammophila*), in order to help assess its distribution and abundance, and improve the general knowledge of its ecology and biology. This information may be of assistance in determining whether any recovery actions may be necessary. Since its discovery in 1894 only 59 (Churchill 2001) specimens have been reported - 31 were identified between 1894 and 1999, and 28 during 2000 and 2001. These recent captures have been largely due to an NHT funded project to survey for and study the Sandhill Dunnart (researcher - Sue Churchill), but also includes the 5 individuals caught as a result of surveys conducted under this licence. We hope to continue with more survey work, and also extend the project further by seeking permission to bring two pairs of Sandhill Dunnarts into captivity to study their reproductive biology.

In the trapping sessions undertaken so far, five Sandhill Dunnarts have been captured from a new location approximately 350km north east of Kalgoorlie. These animals were all males with good body condition and weights. Interestingly, three of them had very distinctive banding on their tails, something not observed on animals captured in South Australia (Churchill pers. comm.). Samples from banded-tailed WA animals and non banded-tailed SA animals are currently being analysed genetically. A total of nine different native mammal species were captured, dingos were observed and six non-native mammals were either captured or observed. Fifty reptile species and fifty-two bird species were also recorded.

2.0 METHODS

Two trapping surveys were conducted in the Great Victoria Desert, Western Australia over the period of the licence - one in September/October 2000 and one in March/April 2001 (see Figure 1).

As little was known about the specific habitat requirements of the Sandhill Dunnart, we were careful to choose sites that were similar to those where they had been previously found. We first looked for dune systems dominated by *Triodia sp.*, and also consulted fire histories as this has a bearing on the level of cover and resources available, and also on the size and density of the spinifex clumps. Sandhill Dunnarts tend to occupy fairly large and dense spinifex clumps (Churchill pers. comm.), and these cannot be found in recently burned areas, nor in long unburnt areas, as the clumps begin to die and lose their structure from the inside and towards the perimeter.

Trapping quadrats were made up of 2 or 3 lines of Elliott traps and 2 lines of pit-traps, with 25m between each line. The Elliotts were set at 5m spacings, and the pits were dug in at 7m spacings and connected by a 30cm high drift fence. It is suspected that due to the relatively large size of Sandhill Dunnarts and their agility, they may be able to escape from the shallow pits sometimes used in survey work (Churchill pers. comm.). We therefore followed recommendations (Churchill 2001) to use 900mm deep pit-traps. Each quadrat was left for five days at one location before removing traps and filling in holes. Pits and Elliott traps were checked twice daily - first thing in the morning and then again in the late afternoon. All animals were held in small

calico bags identifying the trap number. Measurements recorded included snout-vent (or head-body), tail length, pes, sex, weight and reproductive status. Animals were then released back to their point of capture.

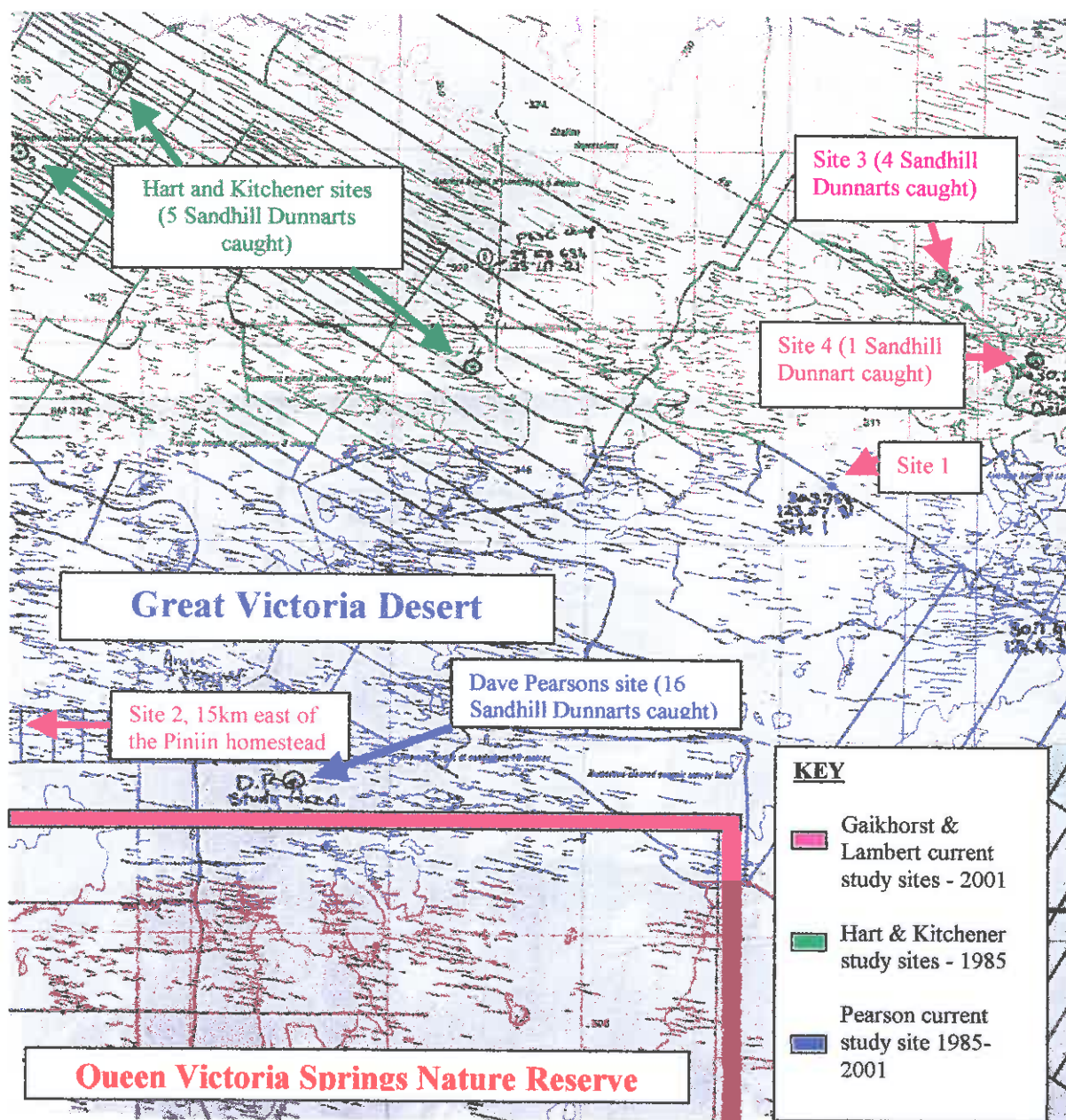
A *Ningaui* sp., a *Pseudomys hermannsburgensis*, and 6 reptiles died during the two trapping periods (see Table 4 for details). These animals, along with insects from pit-traps were preserved in formalin and handed over to the Western Australian museum.

Trip 1 was divided into two study sites (Sites 1 and 2). Site 1 was approximately 35km north east of Queen Victoria Springs Nature Reserve (GPS- south 30°03.758', east 123°57.81'). Here we set up two quadrats of pits and Elliott traps on or around sand dune areas. Our third quadrat consisted of Elliott traps only, in a swale between dune systems. Altogether at Site 1, 160 pit trap nights and 641 Elliott trap nights were conducted. Site 2 was approximately 17km east of Pinjin homestead (GPS- south 30°03.941', east 122°55.460'). The area was flat with red soil. The ground was exceptionally hard which made digging pits difficult, so only one quadrat of pits was able to be used, along with two quadrats of Elliotts. Altogether at Site 2, 102 pit trap nights and 367 Elliott trap nights were undertaken.

Trip 2 was also divided into two sites (Sites 3 and 4). Site 3 was approximately 15km north east of site 1 (GPS- south 29°58. 827', east 124°00. 870'). Here 5 quadrats were set up on and around sand dune areas. Quadrats were set up to the same design used in the first trip. Altogether 512 pit trap nights and 960 Elliott trap nights were conducted. Site 4 was approximately 7 km south east of site 3 (GPS- south 30°01. 477', east 124°03. 567'). Two Quadrants were set up to the same design. Altogether, 160 pit traps nights and 300 Elliott trap nights were conducted.

Samples of all plants found on the quadrats were collected and pressed. They are in the process of being compiled into a herbarium for identification.

Figure 1. Map of study site



3.0 RESULTS

Table 1. Summary list of mammals from all 4 sites

SPECIES NAME	Site 1A	Site 1B	Site 1C	Site 2	Site 3-1	Site 3-2	Site 3-3	Site 3-4	Site 3-5	Site 4-6	Site 4-7
Native (9 total)											
<i>Cercartetus concinnus</i>	X	X						X		X	X
<i>Ningau sp.</i>	X	X		X	X	X	X	X	X	X	X
<i>Notomys alexis</i>				X		X	X	X	X		X
<i>Pseudomys desertor</i>				X							
<i>Pseudomys hermannsburgensis</i>	X	X	X		X	X	X	X	X	X	X
<i>Sminthopsis dolichura</i>	X	X									
<i>Sminthopsis hirtipes</i>	X						X	X		X	X
<i>Sminthopsis ooldea</i>					X						
<i>Sminthopsis psammophila</i>					X		X		X		X
Introduced											
<i>Mus mus</i>					X	X	X	X	X	X	

Table 2. Summary list of reptiles from all 4 sites

SPECIES NAME (50 total)	Site 1A	Site 1B	Site 1C	Site 2	Site 3-1	Site 3-2	Site 3-3	Site 3-4	Site 3-5	Site 4-6	Site 4-7
<i>Ctenophorus clayi</i>										X	X
<i>Ctenophorus cristatus</i>		X			X						
<i>Ctenophorus fordi</i>	X	X			X		X	X			
<i>Ctenophorus isolepis</i>	X				X		X	X		X	X
<i>Ctenophorus scutulatus</i>				X							
<i>Ctenotus atlas</i>	X			X	X	X	X	X	X	X	X
<i>Ctenotus brooksi</i>		X			X			X			
<i>Ctenotus calurus</i>	X										
<i>Ctenotus helenae</i>										X	
<i>Ctenotus leai</i>		X									
<i>Ctenotus pantherinus</i>				X							
<i>Ctenotus quattuordecimlineatus</i>	X	X			X					X	
<i>Ctenotus schomburgkii</i>	X			X	X	X	X		X	X	X
<i>Cyclodomorphus melanops elongatus</i>					X		X	X			
<i>Delma butleri</i>				X			X	X			
<i>Demansia psammophis cupreiceps</i>		X		X	X						
<i>Diplodactylus assimilis</i>	X								X		
<i>Diplodactylus conspicillatus</i>				X							
<i>Diplodactylus elderi</i>	X										
<i>Diplodactylus granariensis</i>	X										
<i>Diplodactylus pulcher</i>				X							
<i>Diplodactylus squarrosus</i>					X						
<i>Diplodactylus stenodactylus</i>										X	
<i>Diplodactylus wellingtonae</i>				X							
<i>Diporiphora reginae</i>		X					X			X	
<i>Egernia inornata</i>	X			X							

Table 2. Summary list of reptiles species from all 4 sites (cont.)

SPECIES NAME	Site 1A	Site 1B	Site 1C	Site 2	Site 3-1	Site 3-2	Site 3-3	Site 3-4	Site 3-5	Site 4-6	Site 4-7
<i>Gehyra purpurascens</i>	X					X					
<i>Heteronotia binoei</i>				X							
<i>Lerista bipes</i>		X		X	X	X	X	X	X	X	
<i>Lerista desertorum</i>	X										
<i>Lerista tridactyla</i>	X										
<i>Lialis burtonis</i>		X					X			X	
<i>Lucasium damaeum</i>	X										
<i>Menetia greyii</i>		X					X				
<i>Moloch horridus</i>	X			X	X	X	X	X	X	X	
<i>Morethia butleri</i>				X				X			
<i>Nephurus laevisimus</i>	X	X			X				X		
<i>Pogona minor</i>	X	X		X		X	X				X
<i>Proablepharus reginae</i>					X	X	X		X	X	X
<i>Pseudechis butleri</i>					X		X				
<i>Pseudonaja nuchalis (gwardar)</i>		X						X			
<i>Pygopus nigriceps</i>	X							X			X
<i>Rhynchoedura ornata</i>				X							
<i>Rhinoplocephalus monachus</i>					X						
<i>Simoselaps bertholdi</i>		X				X					
<i>Tiliqua occipitalis</i>		X		X							
<i>Tiliqua rugosa</i>				X							
<i>Varanus eremius</i>	X					X	X		X		
<i>Varanus gouldii</i>				X			X				
<i>Varanus tristis tristis</i>											X

Table 3. Summary list of birds from both field trips (cont.)

SPECIES NAME	Site 1	Site 2	March- April 2001						
Nightjar									
- Spotted			X						
Owl									
- Boobook			X						
Owlet-nightjar, Australian		X							
Pardalote									
- Striated	X		X						
Parrot									
- Mulga		X							
- Port Lincoln	X	X	X						
- Regent		X							
- Scarlet-chested			X						
Pigeon									
- Common Bronzewing		X	X						
- Crested		X							
Raven									
- Australian	X	X	X						
Robin									
- Red-capped	X	X	X						
Shrike-thrush									
- Grey	X	X	X						
Stilt									
- Black-winged			X						

Table 3. Summary list of birds from both field trips (cont.)

SPECIES NAME	Site 1	Site 2	March April 2001					
Thornbill								
- Chestnut-rumped	X	X						
- Inland			X					
Wattlebird								
- Little			X					
- Red	X							
Weebill			X					
Whistler								
- Rufous			X					
Woodswallow								
- White-browed			X					

Table 4. Summary list of specimens preserved from both field trips

SPECIMEN	PRESERVATIVE	CAPTURE POINT	RECIPIENT	CAUSE OF DEATH
Ctenotus fordi	Formalin	S3.4; P1-5	WA Museum	Dead in pit trap.
Ctenophorus isolepis	Formalin	S3.4; P2-7	WA Museum	Dead in pit trap.
Simoseiaps bertholdi	Formalin	S1b; P1-2	WA Museum	Eaten by a Ningauai in pit.
Moloch horridus	Formalin	On track near S4-7	WA Museum	Found dead on track.
Ctenotus atlas	Formalin	S3.4; P1-6	WA Museum	Killed by ants.
Ctenotus schombergkii	Formalin	S2; P1-1	WA Museum	Killed by ants
Pseudomys hermannsburgensis	Formalin	S3.1; E 10	WA Museum	Dead in Elliott trap.
Ningauai sp	Formalin	S3.1; P1-6	WA Museum	Euthanased after having injury from a Pseudomys hermannsburgensis.
Invertebrates (Assorted)	Formalin	S1,2,3,4	WA Museum	Dead in pit traps.

3.1 SITE 1A

LOCATION

- Approximately 18.7 km SE along track from PNC Camp
- GPS reading 30° 03.743' S
123° 57.023' E

DESCRIPTION

- Tall mallee shrubland with scattered Marble Gum over open hummock grass.
- *Triodia* seeding.
- Flat ground with orange dirt, reasonably easy to dig.
- Last burned in 1984 - no dead mallee trunks still standing.
- Evidence of camel and dingo.

TRAP NIGHTS

- 90 pit-nights
- 180 Elliott trap-nights

INTERESTING NOTES

- *Lerista tridactyla* from this site is approximately 200km further north of the range indicated in **Storr & Smith (2000)**. Skinks of WA.
- Insects collected from pit-traps - preserved for museum



SITE 1A MAMMAL AND REPTILE SPECIES LIST

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

Mammals (5 species)

Cercartetus concinnus (1 individual)

Ningauia sp. (1 individual)

Pseudomys hermannsburgensis (2 individuals)

Sminthopsis dolichura (1 individual)

Sminthopsis hirtipes (2 individuals - including 1 female with pouch young)

Reptiles (19 species)

Ctenophorus fordi (1)

Ctenophorus isolepis (7)

Ctenotus atlas (3)

Ctenotus calurus (1)

Ctenotus quattuordecimlineatus (2)

Ctenotus schomburgkii -- eastern colour form (2)

Diplodactylus assimilis (1)

Diplodactylus elderi (1)

Diplodactylus granariensis (2)

Egernia inornata (2)

Gehyra purpurascens (1)

Lerista desertorum (1)

Lerista tridactyla (1)

Lucasium damaeum (1)

Moloch horridus (2)

Nephurus laevis (2)

Pogona minor (1)

Pygopus nigriceps (1)

Varanus eremius (1)

SITE 1A PLANT SPECIES LIST

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

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
Hakea	1		ts	v/s
Sedge	3		se	v
Triodia basedowii	4		hg	s
Euc. sp. (marble gum?)	5		mt	v
Acacia sp. yellow flower	6		ls	v
Acacia sp. long leaf	7		ls	v
Euc. sp. mallee	8		ts	s
Callitris sp.	9		ts	v
Euc. sp. large nuts	10		ts	v
Brittle, tiny leaf	11		ls	v
Acacia sp. needle leaf	12		ls	v
Hemiandra? white flower small leaf	2		ls	v
stringy sedge like	13		se	v
Calothamnus?	14		ls	v
Casuarina sp.	15		ls	v
Casuarina sp. short needle	16		ls	v
Hakea?	17		ls	v/s
ground cover	18		h	v
spiky white flower	19		ls	v
soft tussock grass	20		tg	v
needle leaf flattened shrub	21		ls	v
purple flower small leaf	22		ls	v
grey leaf soft	23		ls	v
sedge flat leaf	24		se	v
small sedge like	25		se	v
small plant wide leaf	26		h	v

3.2 SITE 1B

LOCATION

- Approximately 16.9 km SE along track from PNC Camp
- GPS reading 30° 03.321' S
123° 56.103' E

DESCRIPTION

- Low mixed shrubland dominated by Hakea and Grevillea, with emergent tall mallee over hummock grass.
- Triodia seeding, grevilleas, hakeas etc. flowering.
- Dune with easy digging yellow sand.
- Last burned in 1984 – no dead mallee trunks still standing.
- Cat prints seen on dune ridge.

TRAP NIGHTS

- 70 pit-nights
- 225 Elliott trap-nights

DEATHS

- A *Simoselaps bertholdi* was found killed and half eaten by a Ningaui caught in the same pit-trap (P1-2) on 29/9/2000 - preserved for museum
- Insects collected from pit-traps - preserved for museum



SITE 1B MAMMAL AND REPTILE SPECIES LIST

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

Mammals (4 species)

Cercartetus concinnus (1 individual - female with pouch young)
Ningauia sp. (8 individuals)
Pseudomys hermannsburgensis (2 individuals)
Sminthopsis dolichura (1 individual)

Reptiles (15 species)

Ctenophorus cristatus (1)
Ctenophorus fordi (3)
Ctenopus brooksi (5)
Ctenopus leai (3)
Ctenopus quattuordecimlineatus (1)
Demansia psammophis cupreiceps (1)
Diporiphora reginae (3)
Lerista bipes (1)
Lialis burtonis (1)
Menetia greyii (1)
Nephrurus laevissimus (1)
Pogona minor (1)
Pseudonaja nuchalis (1)
Simoselaps bertholdi (1)
Tiliqua occipitalis (1)

SITE 1B 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
Hakea		1	ls	v
Triodia basedowii		4	hg	v
Callitris sp.		9	ls	v
purple flower small leaf		22	ls	v
Acacia		6	ls	v
Acacia		7	ls	v
Euc. mallee (mallee form of marble?)	27	5?	ts	v
sedge	28		se	v
Brittle, tiny leaf		11	ls	v
soft grey leaf	29		ls	v
sedgy thing	30		se	v
orange pea flower, spiky leaves	31		ls	v
purple fluffy flowers	32		ls	v
bud-like leaves	33		ls	v
grevillea – orange flowers	34		ls	v
grevillea – white flowers	35		ls	v
ground cover		18	h	v
stringy sedge	36		se	v
euc. mallee	37		ts	v
white flower	38		ls	v
Allocas.	39		ls	v
Allocas.	40		ls	v
smelly white flower	41		ls	v
blue delicate flower	42		ls	v

SPECIMEN	VOUCHER #	PREVIOUS VOUCHER #	VEG. TYPE	COVER
yellow flower sedgy		13	se	v
grevillea?	43		ls	v
leptospermum?	44		ls	v
euc. – mallee	45		ts	v
euc. – mallee	46		ts	v
grevillea / calothamnus?	47		ls	v
Allocas.	48		ls	v
small yellow pea	49		ls	v
euc. – mallee (ooldea?)		10	ts	v
large leafed – like comfrey	50		h	v
sedgy – purple fan leaf	51		ls	v
tiny yellow, white flowers – string	52		llss	v
grevillea – spiky, red flowers	53		ls	v
pink trigger plant	54		ls	v
compact leafy stems	55		ls	v
grevillea – smaller spiky, red flowers	56		ls	v

3.3 SITE 1C

LOCATION

- Approximately 17.3 km SE along track from PNC Camp
- GPS reading 30° 03.392' S
123° 56.344' E

DESCRIPTION

- Open Eucalypt/Callitris woodland over tall open mallee and open hummock grass.
- Flat ground with orange dirt.
- Last burned in 1984 – no dead mallee trunks still standing.
- Evidence of camel and rabbit

TRAP NIGHTS

- 236 Elliott trap-nights



SITE 1C MAMMAL AND REPTILE SPECIES LIST

Mammals (1 species)

Pseudomys hermannsburgensis (1 individual)

Reptiles (No reptiles were caught)

3.4 SITE 2

LOCATION

- Approximately 17 km East of Pinjin on road to QVS Nature Reserve
- GPS reading 30° 03.941' S
122° 55.460' E

DESCRIPTION

- Tall mallee over mixed Acacia low shrubland with mid-dense hummock grass
- Flat ground, hard red dirt clay pan with calcrete layer beneath surface in some places – extremely difficult to dig!
- No evidence of recent fire.
- Evidence of cats and dingoes and a large rabbit population – myxomatosis seen.

TRAP NIGHTS

- 102 pit-nights
- 367 Elliott trap-nights

DEATHS

- *Ctenotus schomburgkii* found killed by ants in pit-trap (P1-1) on 5/10/2000 - preserved for museum

INTERESTING NOTES

- Many animals trapped had apparent bite wounds on them – either fresh or scars.
- *Pseudomys desertor* from this site is approximately 250 km further west of the range indicated in **Strahan (1995)**. Mammals of Australia



SITE 2 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)

Ningui sp. (1 individual)
Notomys alexis (2 individuals)
Pseudomys desertor (1 individual)

Reptiles (19 species)

Ctenophorus scutulatus (7)
Ctenotus atlas (7)
Ctenotus pantherinus (1)
Ctenotus schomburgkii – western colour form (6)
Delma butleri (1)
Demansia psammophis cupreiceps (2)
Diplodactylus conspicillatus (1)
Diplodactylus pulcher (1)
Diplodactylus wellingtonae (1)
Egernia inornata (4)
Heteronotia binoei (6)
Lerista bipes (3)
Moloch horridus (2)
Morethia butleri (2)
Pogona minor (1)
Rhynchoedura ornata (2)
Tiliqua occipitalis (1)
Tiliqua rugosa (5)
Varanus gouldii (3)

3.5 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
- Emu, kangaroo and dingo tracks
- Last burned either 1979 or 1984
- Ground relatively bare of leaf litter, and fallen wood

TRAP NIGHTS

- 96 pit-nights
- 180 Elliott trap-nights

DEATHS

- A *Ningaui* sp. was found in a pit-trap (P1-6) on 26/3/2001 with its tail chewed off, presumably by the *Pseudomys hermannsburgensis* found in the same pit. The Ningaui was euthanased - preserved for museum.
- A *Pseudomys hermannsburgensis* was found dead in an Elliott trap on 29/3/2001 - preserved for museum

INTERESTING NOTES

- A young male *Sminthopsis psammophila* was caught in a pit-trap on the 6th night. There was a ¼ moon.
- Insects collected from pit-traps - preserved for museum

Record
520x



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 (6 species)

Mus mus (3)

Ningau sp. (7 individuals)

Pseudomys hermannsburgensis (2 individuals)

Sminthopsis hirtipes (1 individual)

Sminthopsis ooldea (1 individual)

Sminthopsis psammophila (1 individual)

Reptiles (15 species)

Ctenophorus fordi (1)

Ctenophorus isolepis (1)

Ctenotus atlas (1)

Ctenotus brooksi (1)

Ctenotus quattuordecimlineatus (1)

Ctenotus schomburgkii (1)

Cyclodomorphus melanops elongatus (1)

Demansia psammophis cupreiceps (1)

Diplodactylus squarrosus (1)

Lerista bipes (4)

Moloch horridus (1)

Nephurus laevis (1)

Proablepharus reginae (1)

Pseudechis butleri (1)

Rhinoplocephalus monachus (1)

SITE 3-1 and 3-2 COMBINED PLANT SPECIES LIST

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

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
Acacia sp. – needle leaf	1		ls	v
Grass clump	2		tg	v
Acacia sp. – needle leaf with young flower	3		ts	v
Succulent grey leaf thing	4		ls	v
Ball leaf shrub (small leaf)	5		ls	v
Yellow flower sedge	6		se	v
Acacia or Quandong – broad leaf	7		ts	v
Grevillea sp. – needle leaf	8		ts	v
Eucalypt sp. – ghost gum?	9		lt	v
Casuarina	10		ts	v
Grevillea – long leaf	11		ts	v
Conifer	12		ls	v
Spinifex	13		hg	s
Grass thing	14		hg	v
Pink stem, small leaf shrub	15		ls	v
Conifer	16		ls	v
Shiny mallee gum thing	17		lt	v
Long leaf sedge, cotton flowers	18		se	v
Prickly Acacia	19		ls	v
Small leaf Melaleuca type thing	20		ls	v
Small leaf, long branches – similar to 15	21		ls	v
Prickly tussock/hummock sedge	22		hg	v
Herby succulent, large leaf thing	23		hg	v
Low, dark, shiny leaf ground cover	24		hg	v
Acacia	25		ts	v
Low shrub	26		ls	v

SPECIMEN	VOUCHER #	PREVIOUS VOUCHER #	VEG. TYPE	COVER
Melaleuca type thing	27		ls	v
Grass (fine)	28		tg	v
Tubular leaf shrub	29		ls	v
Vine	30		se	v
Grey leaf small shrub	31		ls	v
Fine light green leaf shrub	32		ls	v
Small leaf shrub	33		ls	v
Serrated leaf, little yellow flower, g/cover	34		se	v
Acacia, bendy? leaf shrub	35		ls	v
Clump plant, smooth leaf	36		se	v
Prickly stem, small leaf shrub	37		ls	v
Prickly leaf shrub, bendy? leaf	38		ls	v
Grevillea -- red flower	39		ls	v
Clumped leaf, very small ground cover	40		se	v
Acacia -- small round leaf	41		ls	v

3.6 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
- Emu, kangaroo and dingo activity
- Last burned either 1979 or 1984
- Good cover of leaf litter and fallen wood on ground. Many hollows in fallen wood.

TRAP NIGHTS

- 96 pit-nights
- 179 Elliott trap-nights

INTERESTING NOTES

- Insects collected from pit-traps - preserved for museum



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)

Mus mus (2)

Notomys alexis (3 individuals)

Ningau sp. (11 individuals)

Pseudomys hermannsburgensis (5 individuals)

Reptiles (10 species)

Ctenophorus cristatus (1)

Ctenotus atlas (2)

Ctenotus schomburgkii (1)

Gehyra purpurascens (1)

Lerista bipes (2)

Moloch horridus (5)

Pogona minor (1)

Proablepharus reginae (2)

Simoselaps bertholdi (1)

Varanus eremius (1)

3.7 SITE 3-3

LOCATION

- Approximately 150m north of Delma Track and 200m east of Quadrat 2.
- GPS reading at P1 29° 58.890' S
124° 01.126' E

DESCRIPTION

- 2 trapping lines straddle dune crest at a right angle, and the other 2 where the crest opens into a swale.
- A dead rabbit was found near the grid
- Emu, kangaroo and dingo tracks
- Tall open mallee over open hummock grassland - *Triodia* was seeding
- Fire either 1979 or 1984
- Ground fairly bare of litter, fallen wood etc.

TRAP NIGHTS

- 176 pit-nights
- 330 Elliott trap-nights

INTERESTING NOTES

- An adult male *Sminthopsis psammophila* was caught in an Elliott trap on one of the lines in the swale on the 3rd night. There was a 1/8 moon.
- Another adult male *Sminthopsis psammophila* was caught in a pit-trap on one of the lines straddling the dune crest on the 7th night. There was a 1/2 moon.
- Insects collected from pit-traps - preserved for museum

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MAMMAL AND REPTILE SPECIES LIST FOR SITE 3-3

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

Mammals (6 species)

Mus mus (5)
Notomys alexis (2 individuals)
Ningauia sp. (7 individuals)
Pseudomys hermannsburgensis (2 individuals)
Sminthopsis hirtipes (1 individual)
Sminthopsis psammophila (2 individuals)

Reptiles (16 species)

Ctenophorus fordi (2)
Ctenophorus isolepis (2)
Ctenotus atlas (2)
Ctenotus schomburgkii (1)
Cyclodomorphus melanops elongatus (2)
Delma butleri (1)
Diporiphora reginae (3)
Lerista bipes (1)
Lialis burtonis (2)
Menetia greyii (1)
Moloch horridus (2)
Pogona minor (2)
Proablepharus reginae (1)
Pseudechis butleri (1)
Varanus eremius (1)
Varanus gouldii (1)

SITE 3-3 and 3-5 COMBINED 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
Stringy woody plant – no leaves	1		se	v
Triodia	2		hg	s
Grevillea type shrub- red flowers	3		ls	v
Eucalypt – no nuts or buds	4		lt	v
Eucalypt with buds	5		tt	v
Casuarina type thing	6		ts	v
Low leafy thing	7		h	v
Quandong	8		ts	v
Small leaf shrub	9		ls	v
Bottlebrush thing	10		ts	v
Grevillea, thin leaf	11		ts	v
Grevillea, big leaf	12		ls	v
Prickly bush	13		ls	s
Small leaf bush	14		ls	v
Yellow flower sedge	15		se	v
Acacia type thing	16		ts	v
Acacia – needle leaves	17		ts	v
Grevillea with nuts	18		ts	v
Succulent grey leafy plant	19		ls	v
Small grass	20		hg	v
Small leaf shrub	21		ls	v
Little herb thing	22		h	v
Herby like shrub	23		ls	v
Acacia	24		ls	v
Acacia – small oval leaf	25		ls	v
Groundcover	26		h	v

SPECIMEN	VOUCHER #	PREVIOUS VOUCHER #	VEG. TYPE	COVER
Eucalypt sp.	27		lt	v
Gastrolobium	28		ts	v
Conifer thing	29		ts	v
Low saltbush type shrub	30		ls	v
Prickly bastard	31		ls	v
Small leaf shrub	32		ls	v
Small grass	33		hg	v
Spiny, no leaf shrub	34		ls	v

3.8 SITE 3-4

LOCATION

- 100m south of Delma track, 300m east of water hole
- GPS reading at P1 29° 59.363' S
124° 01.648' E

DESCRIPTION

- Trapping lines straddle dune crest at a right angle
- Mixed Callitris/Mallee/Acacia over hummock grassland
- Soft yellow sand
- Fire either 1979 or 1984
- Some fallen branches on ground

TRAP NIGHTS

- 96 pit-nights
- 180 Elliott trap-nights

DEATHS

- A *Ctenophorus fordi* was found dead in a pit-trap (P1-5) on 27/3/2001 - preserved for museum
- A *Ctenopus atlas* was found dead in a pit-trap - preserved for museum
- A *Ctenophorus isolepis* was found dead in a pit-trap (P2-7) - preserved for museum

INTERESTING NOTES

- Insects collected from pit-traps - preserved for museum



MAMMAL AND REPTILE SPECIES LIST FOR SITE 3-4

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

Mammals (6 species)

Cercartetus concinnus (1 individual)
Mus mus (2)
Notomys alexis (2 individuals)
Ningau sp. (1 individual)
Pseudomys hermannsburgensis (2 individuals)
Sminthopsis hirtipes (3 individuals)

Reptiles (11 species)

Ctenophorus fordi (7)
Ctenophorus isolepis (1)
Ctenopus atlas (2)
Ctenopus brooksi (2)
Cyclodomorphus melanops elongatus (2)
Delma butleri (1)
Lerista bipes (1)
Moloch horridus (1)
Morethia butleri (1)
Pseudonaja nuchalis (1)
Pygopus nigriceps (1)

SITE 3-4 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
Triodia sp.	1		hg	m
Acacia sp. (long leaf)	2		ts	v
Acacia sp. (thin leaf)	3		ts	v
Conifer sp. thing	4		ts	v
Eucalyptus sp. (ghost gum maybe)	5		mt	v
Sedgy, reedy thing	6		se	v
Herby low cover	7		h	v
Acacia round edged, thick leaf	8		ts	v
Sedgy – purple flowers	9		se	v
Sedgy – thick stringy	10		se	v
Small leaf shrub	11		ls	v
Succulent grey-green leaf	12		ls	v
Yellow flower shrub	13		ls	v
Large leafed low shrub, tap root	14		h	v
Conifer – greyish colour	15		ts	v
Grevillea – orangy flowers	16		ts	v
Ground cover – red flowers	17		h	v
Conifer – low shrub	18		ls	v
Sedge – yellow/orange flower	19		se	v
Sedge – lemon yellow flower	20		se	v
Small leaf shrub	21		ls	v
Round ball leaf shrub	22		ls	v
Ground cover – herb grass	23		tg	v
Sedge ground cover	24		tg	v
Round leaf – young ghost gum?	25		ts	v
Eucalypt sp. – nuts	26		lt	v

SPECIMEN	VOUCHER #	PREVIOUS VOUCHER #	VEG. TYPE	COVER
Small ball leaves, new growth	27		ls	
Eucalypt sp. – ooldea type nuts	28		lt	
Lower shrub, sedgy thing	29		ls	
Sedge	30		se	
Low star leaf shrub	31		ts	
Grevillea, white flower, nuts	32		ts	
Sedgy vine thing	33		se	
Acacia sp. with pods	34		ls	

3.9 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

- 96 pit-nights
- 180 Elliott trap-nights

INTERESTING NOTES

- An adult male *Sminthopsis psammophila* was caught in an Elliott trap at the base of a dune on the 1st night. There was a ¼ moon.
- Insects were collect from pit-traps - preserved for museum

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MAMMAL AND REPTILE SPECIES LIST FOR SITE 3-5

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

Mammals (5 species)

Mus mus (6)

Notomys alexis (1 individual)

Ningau sp. (2 individuals)

Pseudomys hermannsburgensis (2 individuals)

Smithopsis psammophila (1 individual)

Reptiles (8 species)

Ctenotus atlas (2)

Ctenotus schomburgkii (1)

Diplodactylus assimilis (1)

Lerista bipes (1)

Moloch horridus (1)

Nephurus laevis (1)

Proablepharus reginae (1)

Varanus eremius (1)

SITE 3-5 PLANT SPECIES LIST (Combined with Site 3-3)

3.10 SITE 4-6

LOCATION

- On Delma track, 295m E of Quadrat 4-7 and 600m E of Campsite 2
- GPS reading at P1 30° 01.477' S
124° 03.567' E

DESCRIPTION

- Trap lines run at right angles to dune and straddle the crest
- Fairly standard habitat for this area – Good spinifex on large dune
- Open Eucalypt woodland over open hummock grassland - Eucalypts in flower
- Yellow sand
- Fairly good cover of leaf litter and fallen branches
- Fire either 1979 or 1984

TRAP NIGHTS

- 80 pit-nights
- 150 Elliott trap-nights

DEATHS

- *Moloch horridus* found dead on ground - preserved for museum
- *Ctenotus schomburgkii* killed by ants in pit-trap (P1-1) - too damaged to be worth preserving.

INTERESTING NOTES

- Insects collected from pit-traps - preserved for museum



MAMMAL AND REPTILE SPECIES LIST FOR SITE 4-6

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

Mammals (5 species)

Cercartetus concinnus (2 individuals)
Mus mus (1)
Ningauia sp. (5 individuals)
Pseudomys hermannsburgensis (3 individuals)
Sminthopsis hirtipes (1 individual)

Reptiles (12 species)

Ctenophorus clayi (1)
Ctenophorus isolepis (3)
Ctenopus atlas (2)
Ctenopus helenae (1)
Ctenopus quattuordecimlineatus (1)
Ctenopus schomburgkii (2)
Diplodactylus stenodactylus (1)
Diporiphora reginae (6)
Lerista bipes (4)
Lialis burtonis (1)
Moloch horridus (1)
Proablepharus reginae (2)

SITE 4-6 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
Small leaf shrub	1		ts	v
Small leaf shrub	2		ls	v
Grass hummock	3		hg	v
Leafy ground cover	4		se	v
Stringy ground cover	5		se	v
Conifer (nuts)	6		ts	v
Succulent shrub	7		ls	v
Melaleuca shrub	8		ls	v
Reed thing	9		se	v
Yellow flower sedge	10		se	v
Grevillea (nuts)	11		ts	v
Purple flower shrub	12		ls	v
Acacia	13		ts	s
Sharp	14		se	v
Acacia	15		ls	v
Eucalypt (ghost gum?)	16		mt	v
Prickly shrub	17		ls	v
Spiny	18		tg	s
Grevillea type thing	19		ls	v
Sharp sedge shrub thing	20		ls	v
Mallee Eucalypt	21		lt	v
Grevillea (pink)	22		ts	v
Acacia – yellow flowers	23		ts	v
Grevillea – yellow flowers	24		ls	v
Fine dainty leaf tree	25		ts	v
Grevillea (orange flowers)	26		ts	v

SPECIMEN	VOUCHER #	PREVIOUS VOUCHER #	VEG. TYPE	COVER
Eucalypt mallee	27		lt	v
Small ball low shrub	28		ls	v
Casuarina (nut)	29		ts	v
Dark green leaf groundcover	30		se	v

3.11 SITE 4-7

LOCATION

- On Delma track, 295m W of Quadrat 4-6
- GPS reading at P1 30° 01.430' S
124° 03.392' E

DESCRIPTION

- Chosen because the vegetation is quite different to the rest of the area – Low Casuarina shrubland over open hummock grassland. Casuarina just finished flowering.
- Trap lines run at right angles to dune and straddle the crest – smaller dune than Grid 4-6
- Yellow sand

TRAP NIGHTS

- 80 pit-nights
- 150 Elliott trap-nights

INTERESTING NOTES

- Good population of pygmy possums
- *Sminthopsis psammophila* caught in a pit-trap (P1-8) on the first night. There was a half moon.
- Insects collected from pit-traps - preserved for museum

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MAMMAL AND REPTILE SPECIES LIST FOR SITE 4-7

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

Mammals (6 species)

Cercartetus concinnus (4 individuals)

Notomys alexis (3 individuals)

Ningui sp. (3 individuals)

Pseudomys hermannsburgensis (6 individuals)

Sminthopsis hirtipes (2 individuals)

Sminthopsis psammophila (1 individual)

Reptiles (8 species)

Ctenophorus clayi (1)

Ctenophorus cristatus (1)

Ctenophorus isolepis (1)

Ctenotus atlas (2)

Ctenotus schomburgkii (1)

Proablepharus reginae (1)

Pygopus nigriceps (1)

Varanus tristis tristis (1)

SITE 4-7 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%

Note: Previous voucher #'s are derived from specimens collected at site 4-6

SPECIMEN	VOUCHER #	PREVIOUS VOUCHER #	VEG. TYPE	COVER
Grass hummock		3	hg	v
Leafy ground cover		4	se	v
Stringy ground cover		5	se	v
Succulent shrub		7	ls	v
Reed thing		9	se	v
Yellow flower sedge		10	se	v
Sharp		14	se	v
Eucalypt (ghost gum?)		16	mt	v
Prickly shrub		17	ls	v
Spinny		18	hg	s
Mallee Eucalypt		21	lt	v
Grevillea (pink)		22	ts	v
Grevillea – yellow flowers		24	ls	v
Eucalypt mallee		27	lt	v
Small ball low shrub		28	ls	v
Casuarina (nut)		29	ts	s
Dark green leaf groundcover		30	se	v
Acacia	35		ls	v
Quandong	36		ts	v
Prickly groundcover	37		ls	v
Melaleuca shrub thing	38		ls	v
Small leaf Melaleuca thing	39		ls	v

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5.0 REFERENCES

- Aitken, P.F., 1971.** Rediscovery of the Large Desert *Sminthopsis* (*Sminthopsis psammophilus* Spencer) on Eyre Peninsula, South Australia. *Victorian Naturalist*. **88**:103-111.
- ANZECC, 1991.** List of Endangered Vertebrate Fauna. Australian National parks and Wildlife Service, Canberra.
- Churchill, S. (2001).** March 2001 Draft Recovery Plan for the Endangered Sandhill Dunnart (*Sminthopsis psammophila*) of the Great Victoria Desert and Eyre Peninsula. Biodiversity Conservation Program, Department for Environment and Heritage, South Australia.
- Hart, R.P. & Kitchener, D.J. 1986.** First Record of *Sminthopsis psammophila* (Marsupialia: Dasyuridae) from Western Australia. *Records of the Western Australian Museum* **13**(1): 139-144.
- Pearson, D.J. & Robinson, A.C. 1989.** New records of the Sandhill Dunnart, *Sminthopsis psammophila* (Marsupialia: Dasyuridae) in south and Western Australia. *Journal of Australian Mammalogy* **13**: 57-59
- Pearson, D.J. 1995.** Sandhill Dunnart. Pp.154,155 in *The Mammals of Australia*. Ed. by R. Strahan. Reed Books. Chatswood NSW.

Appendix 1. Trapping data sheets from Site 1

TRAPPING DATA SHEET

DATE: 28/9/2000

MOON PHASE: nil

PITS: 8 in a.m, 15 in p.m.

SITE #: 1A

TEMP: Minimum 11

ELLIOTTS: 30

Maximum 34

CAGES: nil

WEATHER CONDITIONS: Clear overnight, very windy with scattered clouds during 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											
<i>Smynthopsis hirtipes</i>	1	P1-7	F	18	24.2		73.1	74.7	17.3	5 PY ~ 8mm long	
<i>Egernia inornata</i>		P1-3		8	16	140	68	72			1/2 regen tail
Active Search											
<i>Ctenophorus isolepis</i>											
<i>Moloch horridus</i>											
<i>Diplodactylus elderi</i>											
<i>Pygopus nigriceps</i>											
<i>Lucasium damaeum</i>											
AFTERNOON											
<i>Egernia inornata</i>	R	P1-2									
<i>Ctenophorus isolepis</i>		P1-2		3		113	37	76		Sub-adult	

TRAPPING DATA SHEET

DATE: 28/9/2000

SITE #: 1A 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 atlas		P2-8		2		127	40	87		Sub-adult	
Active Search											
Lerista desertorum				<1		88	49	39		Juvenile (red tail)	

TRAPPING DATA SHEET

DATE: 29/9/2000

MOON PHASE: nil

PITS: 15

SITE #: 1A

TEMP: Minimum 6

ELLIOTTS: 30

Maximum 28

CAGES: nil

WEATHER CONDITIONS: Clear overnight and during 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											
Gehyra purpurascens		P2-8	M	3		82	52	30			2/3 regen tail
Sminthopsis dolichura	1	P2-5	M	19	29.4		89	95	16.3		
Nephurus laevisimus		P1-8	M	13		110.1	78	32.1			
Sminthopsis hirtipes	1	P2-6	M	17	30		83.2	72.3	16.2		
Cercartetus concinnus	1	P1-4	M	7	21.8		56.3	75	12.1		Released on dusk
Active Search											
Nephurus laevisimus			M	13		106	77				
Diplodactylus assimilis			M	7		103	68				
Lerista tridactyla				<1		62	35				2/3 regen tail
Gehyra purpurascens			M	9		110	57				Full regen tail

TRAPPING DATA SHEET

DATE: 29/9/2000

SITE #: 1A 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
AFTERNOON											
<i>Ctenophorus isolepis</i>		P2-7	M	2		126	40			Sub-adult	
<i>Ctenophorus isolepis</i>		P2-7	M	6		186	54			Breeding condition	
<i>Pogona minor</i>		P1-2		15		196	74			Sub-adult	
<i>Ctenotus atlas</i>		P1-3		7		131	65				8 stripes
<i>Ctenotus calurus</i>		P2-6		~1		110	37			Adult	
<i>Ctenotus atlas</i>		P2-3		3		178	57				8 stripes
Active Search											
<i>Ctenophorus isolepis</i>			M	5		182	54			Breeding condition	
<i>Ctenotus quattuordecimlineatus</i>				2		190	60				
<i>Ctenophorus fordi</i>											

TRAPPING DATA SHEET

DATE: 30/9/2000

MOON PHASE: 1/8 - set early evening

PITS: 15

SITE #: 1A

TEMP: Minimum 8

ELLIOTTS: 30

Maximum 28

CAGES: nil

WEATHER CONDITIONS: Clear overnight and during 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											
<i>Pseudomys hermannsburgensis</i>	1	P2-2	M	12	23.7		60.5	84.4			
<i>Ningauia</i> sp.	1	P2-6	F	10	23.5		71.4	60.4	13.4		
<i>Egernia inornata</i>		P1-7		8			64	144			
<i>Ctenotus schomburgkii</i>		P1-3		<1		111.1	39				
AFTERNOON											
<i>Moloch horridus</i>		E8									

TRAPPING DATA SHEET

DATE: 1/10/2000

MOON PHASE: 1/8 - set early evening

PITS: 15

SITE #: 1A

TEMP: Minimum 6

ELLIOTTS: 30

Maximum 26

CAGES: nil

WEATHER CONDITIONS: Clear overnight and during 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											
<i>Pseudomys hermannsburgensis</i>	2	P2-4	M	14	22.5	140.4	70.1	70.3	17.3		
AFTERNOON											
<i>Ctenotus quattuordecimlineatus</i>		P2-4									
<i>Ctenophorus isolepis</i>		P2-7									
<i>Ctenophorus isolepis</i>		P2-3									
<i>Varanus eremius</i>		E27	F	43		397	150				
Active Search											
<i>Gehyra purpurascens</i>											
<i>Gehyra purpurascens</i>											
<i>Diplodactylus granaricensis</i>			F	6		98	57				

TRAPPING DATA SHEET

DATE: 2/10/2000

MOON PHASE: 1/8 - set early evening

PITS: 15

SITE #: 1A

TEMP: Minimum 5

ELLIOTTS: 30

Maximum >30

CAGES: nil

WEATHER CONDITIONS: Clear overnight with some early scattered cloud during 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											
Diplodactylus granariensis		P1-6	M	3		88	54				
Ctenotus schomburgkii		P1-7	F	<1		121	41			Possibly gravid	
AFTERNOON											
Egernia inornata	R	P1-7									
Ctenotus quattuordecimlineatus	R	P1-6									

TRAPPING DATA SHEET

DATE: 3/10/2000

MOON PHASE: 1/4 moon

PITS: 15

SITE #: 1A

TEMP: Minimum 9

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Clear 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											
Pseudomys hermannsburgensis R1	E21		M								

TRAPPING DATA SHEET

DATE: 29/9/2000

MOON PHASE: nil

PITS 14

SITE #: 1B

TEMP: Minimum 6

ELLIOTTS 45

Maximum 28

CAGES nil

WEATHER CONDITIONS: Clear overnight and during 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											
Ningaui sp.	1	P2-8	F	7	22.7			61.8	56.3		
Ningaui sp.	1	P2-5	M	9	22			67.1	59.4	12.1	
Pseudomys hermannsburgensis	1	P2-1	M	9	24.5			66.1	68.4	16.7	
Smynthopsis dolichura	1	P2-7	M	18	29.2			90.8	96.5	16.1	
Ningaui sp.	2	P2-4	M	7	20.8			71.2	48.5	11.8	
Pseudomys hermannsburgensis	2	P1-4	M	12	24.1			74.1	75	16.7	
Ningaui sp.	3	P1-2	M	8	20.5			60	52.2	11.2	
Simoselaps bertholdi		P1-2								Killed and half eaten by Ningaui M3	
Ctenotus quattuordecimlineatus		P2-4		1		105		43			1/2 regen tail

TRAPPING DATA SHEET

DATE: 29/9/2000

SITE #: 1B 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
AFTERNOON											
Ctenotus leai		P1-5		5		157	51				
Ctenotus leai		P1-6		4		158	57				
Ctenotus brooksi		P2-7		~1		93	41				
Ctenotus leai		P2-4		4		180	55				
Diporiphora reginae		P2-4	F			160	47				
Tiliqua occipitalis		P2-6		244		374	230	144			
Diporiphora reginae		P2-1	F	3		164	45				
Diporiphora reginae		P2-1	M	5		219	60				
Menetia greyii		P2-7		<1		55	23				
Active Search											
Pseudonaja nuchalis (gwardar)											
Pogona minor											

TRAPPING DATA SHEET

DATE: 30/9/2000

MOON PHASE: 1/8 - set early evening

PITS 14

SITE #: 1B

TEMP: Minimum 8

ELLIOTTS 45

Maximum 28

CAGES nil

WEATHER CONDITIONS: Clear overnight and during 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											
Ctenophorus cristatus		P1-3		40		134	94				
Sminthopsis dolichura	R1	P2-3		15							
Ningaui sp.	R1	P1-6		6							
AFTERNOON											
Ctenophorus fordii		P2-7	M	5		195	53				
Ctenophorus fordii		P2-7	M	5		187	53				
Ctenotus brooksi		P1-4	M			114	41				
Ctenotus brooksi		P1-4	M			106	38				
Demansia psammophis cupreiceps		P2-5				~700mm					

TRAPPING DATA SHEET

DATE: 1/10/2000

MOON PHASE: 1/8 - set early evening

PITS 14

SITE #: 1B

TEMP: Minimum 6

ELLIOTTS 45

Maximum 26

CAGES nil

WEATHER CONDITIONS: Clear overnight and during 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													
Nephurus laevisimus		P1-5	M	4		71	52	19		Juvenile			
Ningau sp.	2	P2-7	F		22	136.2	71.1	65.1	12.6				
Cercartetus concinnus	1	P2-3	F	8	NB - not ear-notched or measured - hair taken only							3 PY ~ 5mm	Released on dusk
AFTERNOON													
Diporiphora reginae	R	P2-1											
Ctenotus brooksi		P1-5		<1		105	38						
Ctenatus brooksi		P1-4	F			94	40			Gravid	3/4 regen tail		
Ctenophorus fordii		P1-4				152	45			Gravid			

TRAPPING DATA SHEET

DATE: 2/10/2000

MOON PHASE: 1/8 - set early evening

PITS 14

SITE #: 1B

TEMP: Minimum 5

ELLIOTTS 45

Maximum >30

CAGES nil

WEATHER CONDITIONS: Clear overnight with some early scattered cloud during 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											
Ningau sp.	3	P2-6	F	8	22.7		72.4	52.5	13.1		
Ningau sp.	4	P2-4	M	9	24.9		69.1	55.5	13.1	Lost lot of back hair from rubbing on fly-wire	
AFTERNOON											
Lerista bipes		P1-3									
Ctenotus brooksi	R	P2-8									
Lialis burtonis		P2-5									

TRAPPING DATA SHEET

DATE: 3/10/2000

MOON PHASE: 1/4 moon

PITS 14

SITE #: 1B

TEMP: Minimum 9

ELLIOTTS 45

Maximum -

CAGES nil

WEATHER CONDITIONS: Clear 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.	R4	P1-1	M								
Ningau sp.	5	P1-2	M	12	24.2		73.4	59	12.4		Hair loss from yesterday-seems alert and OK

TRAPPING DATA SHEET

DATE: 29/9/2000

MOON PHASE: nil

PITS nil

SITE #: 1C

TEMP: Minimum 6

ELLIOTTS 49

Maximum 28

CAGES nil

WEATHER CONDITIONS: Clear overnight and during 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											
Pseudomys hermannsburgensis	1 E56		M	16	25.4		64.6	75.8	17.8		

TRAPPING DATA SHEET

DATE: 30/9/2000

MOON PHASE: 1/8 - set early evening

PITS nil

SITE #: 1C

TEMP: Minimum 8

ELLIOTTS 49

Maximum 28

CAGES nil

WEATHER CONDITIONS: Clear overnight and during 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
No captures											

TRAPPING DATA SHEET

DATE: 1/10/2000

MOON PHASE: 1/8 - set early evening

PITS nil

SITE #: 1C

TEMP: Minimum 6

ELLIOTTS 46

Maximum 26

CAGES nil

WEATHER CONDITIONS: Clear overnight and during 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
Pseudomys hermannsburgensis	R1E56		M								

TRAPPING DATA SHEET

DATE: 2/10/2000

MOON PHASE: 1/8 - set early evening

PITS nil

SITE #: 1C

TEMP: Minimum 5

ELLIOTTS 46

Maximum >30

CAGES nil

WEATHER CONDITIONS: Clear overnight with some early scattered cloud during 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
No captures											

TRAPPING DATA SHEET

DATE: 3/10/2000

MOON PHASE: 1/4 moon

PITS nil

SITE #: 1C

TEMP: Minimum 9

ELLIOTTS 46

Maximum -

CAGES nil

WEATHER CONDITIONS: Clear 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
No captures											

Appendix 2. Trapping data sheets from Site 2

TRAPPING DATA SHEET

DATE: 4/10/2000

MOON PHASE: 1/4 moon

PITS 17

SITE #: 2

TEMP: Minimum

ELLIOTTS nil

Maximum

CAGES nil

WEATHER CONDITIONS: Fine and hot

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
Delma butleri		P2-7		5		270	68				
Ctenotus atlas		P2-8	F	5		178	63			Old scar from wound on back of neck	
Ctenotus schomburgkii		P2-8	F	2		128	42				
Ctenotus atlas		P2-4	F	4		185	58			Old scar from wound on back over hips	
Egernia inornata		P2-7		1		94	41			Dropped tail	
Moloch horridus		P2-6	F	53		158	90			Gravid	
Demansia psammophis cupreiceps		P2-5									
Active Search											
Rhynchoedura ornata			M	1		76	45				Original tail
Diplodactylus pulcher			M	1		82	48				100% regen tail
Ctenophorus scutulatus			F	39		330	100			Possibly gravid - fresh bite wounds - OK	

TRAPPING DATA SHEET

DATE: 5/10/2000

MOON PHASE: 1/4 moon

PITS 17

SITE #: 2

TEMP: Minimum 14

ELLIOTTS 73

Maximum 26

CAGES nil

WEATHER CONDITIONS: Clear overnight, but cloudy for most of the day with a few spots of rain

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>Notomys alexis</i>	1	E35	M	28	31.3		84.7	123.9	31.2		
<i>Rhynchoedura ornata</i>		P2-3	M	1		75	45				
<i>Egernia inornata</i>		P2-4	M	14		186	75			Small injury left side and scratches on head	
<i>Diplodactylus conspicillatus</i>		P1-3	M	4		75	53				
<i>Egernia inornata</i>		P1-2	M	8		114	65			Neck injury right side, 3/4 regen tail	
<i>Heteronotia binoei</i>		P3-5	F	2		69	48			1/2 regen tail	
<i>Diplodactylus wellingtonae</i>		P3-5	M	4		101	55			Slight humped deformity of lower spine	
Active Search											
<i>Morethia butleri</i>											

TRAPPING DATA SHEET

DATE: 5/10/2000

SITE #: 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
AFTERNOON											
Ctenotus schomburgkii		P1-1				102	35				Died in pit - ants
Ctenotus schomburgkii		P2-2		<1		96	36				
Ctenotus schomburgkii		P2-6	F	<1		108	41			Gravid	
Ctenotus pantherinus		P2-3	F	12		151	81				Twice regen tail

TRAPPING DATA SHEET

DATE: 6/10/2000

MOON PHASE: 1/4 moon

PITS 17

SITE #: 2

TEMP: Minimum 17

ELLIOTTS 98

Maximum 25

CAGES nil

WEATHER CONDITIONS: Cloudy overnight with a few sprinkles of rain

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.	1	P2-7	M	7	22.6		69.8	55	11.8		Missing 3rd toe RHF
Notomys alexis	2	E40	M	33	35		91	107.3	31	Missing tip of tail (old wound) and has fleas	
AFTERNOON											
Ctenotus schomburgkii		P2-3		<1							
Ctenotus schomburgkii		P2-5		<1							
Ctenotus atlas		P2-1									
Demansia psammophis cupreiceps		E101			~ 18 in.						

TRAPPING DATA SHEET

DATE: 7/10/2000

MOON PHASE: 1/2 moon

PITS 17

SITE #: 2

TEMP: Minimum 5

ELLIOTTS 98

Maximum 25

CAGES nil

WEATHER CONDITIONS: Overcast day, fine then overcast night

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 desertor	1	E108	M	22	29.5	147.2	77.2	70	20.2		
Active Search											
Varanus gouldii						~ 3 foot					
Ctenophorus scutulatus										Sub-adult	
Ctenophorus scutulatus										Hatchling	
Ctenophorus scutulatus										Hatchling	
Ctenophorus scutulatus										Hatchling	
Egernia inornata											
Lerista bipes											
Tiliqua rugosa										Adult	Red head
Tiliqua rugosa										Adult	Red head

TRAPPING DATA SHEET

DATE: 7/10/2000

SITE #: 2 Continued...

SPECIES	I.D.	TRAP #	SEX	WT. (g)	HEAD LENGTH (mm)	TOTAL LENGTH (mm)	SNOOUT- VENT LENGTH (mm)	TAIL LENGTH (mm)	LONG PES (mm)	REPRODUCTIVE CONDITION	COMMENTS
<i>Tiliqua rugosa</i>										Adult	Red head
<i>Tiliqua rugosa</i>										Adult	Red head
<i>Tiliqua rugosa</i>										Adult	Red head
<i>Heteronotia binoei</i>										Adult	
<i>Heteronotia binoei</i>										Adult	
<i>Heteronotia binoei</i>										Adult	
<i>Heteronotia binoei</i>										Hatchling	
<i>Morethia butleri</i>										Adult	
5 Rabbits										Assorted ages	
AFTERNOON											
<i>Tiliqua occipitalis</i>		E2	M							Adult	
<i>Ctenotus atlas</i>		E109									
<i>Ctenotus atlas</i>		P2-2									
<i>Ctenotus atlas</i>		P14									
<i>Ctenotus atlas</i>		P3-2									

TRAPPING DATA SHEET

DATE: 7/10/2000

SITE #: 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 scutulatus		P3-1								Juvenile	
Active Search											
Moloch horridus			F							Gravid	
Varanus gouldii						~ 3 foot					

TRAPPING DATA SHEET

DATE: 8/10/2000

MOON PHASE: 1/2 moon

PITS 17

SITE #: 2

TEMP: Minimum 5

ELLIOTTS 98

Maximum 22

CAGES nil

WEATHER CONDITIONS: Fine but 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	R1	E35	M								
Active Search											
Pogona minor			M								
Varanus gouldii											
Ctenophorus scutulatus			F								

TRAPPING DATA SHEET

DATE: 9/10/2000

MOON PHASE: 1/2 to 2/3 moon

PITS 17

SITE #: 2

TEMP: Minimum 6

ELLIOTTS nil

Maximum 23

CAGES nil

WEATHER CONDITIONS: Fine but 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											
Lerista bipes		P2-8									
Lerista bipes		P2-6									
Heteronotia binoei		P2-1									

Appendix 3. Trapping data sheets from Site 3

TRAPPING DATA SHEET

DATE: 26/3/2001

MOON PHASE: nil

PITS: 16

SITE #: 3-1

TEMP: Minimum 5

ELLIOTTS: 30

Maximum 29

CAGES: nil

WEATHER CONDITIONS: Fine

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>Pseudomys hermannsburgensis</i>	1	P1-6	M	11		136.5	58.5	78	17.1	Ate tail of Ningauai in same trap	
<i>Sminthopsis hirtipes</i>	1	P1-2	F	8		134.1	64.3	69.8	15.1	young animal	Tail injury
<i>Ningauai</i> sp.	1	P1-5	F	4		125.6	64.8	60.8	11.8		
<i>Ningauai</i> sp.	2	P1-3	F	5		113.1	60.6	52.5	11.5	fairly young animal	
<i>Ningauai</i> sp.	3	P1-6	M	4		55.6	55.6	no tail	11.5	euth. - tail injury by P. herm. in same trap	
<i>Cyclodomorphus melanops elongatus</i>		P1-3		5		94	72	22		regen tail	
AFTERNOON											
Active Search											
<i>Ctenotus quattuordecimlineatus</i>				19		166	67	99			

TRAPPING DATA SHEET

DATE: 27/3/2001

MOON PHASE: nil

PITS: 16

SITE #: 3-1

TEMP: Minimum 5

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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											
Ningauai sp.		4 P2-3	M	7?		116.2	55.7	60.5	12.5	Adult	
Mus mus		1 P2-5									
Active Search											
Rhinoplocephalus monachus				Active at night - regurgitated a juvenile Cyclodomorphus melanops elongatus							
Demansia cupriceps										half grown	

TRAPPING DATA SHEET

DATE: 28/3/2001

MOON PHASE: 1/8 moon

PITS: 16

SITE #: 3-1

TEMP: Minimum 5

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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											
Nephurus laevisimus			M	4		67	52	15		juvenile	
Ningui sp.	R1	P2-3	M			121.4	61.2	60.2	12.2		
Problepharus reginae		P2-8		<1		84	30	54			
Ctenopus schomburgkii		P2-5		1		105	37	142			
Ctenophorus isolepis		P1-1		2		125	40	85			
Pseudomys hermannsburgensis	R1	E-14		13							
Ctenopus brooksi		P2-3		<1		63	28				

TRAPPING DATA SHEET

DATE: 29/3/2001

MOON PHASE: 1/8 moon

PITS: 16

SITE #: 3-1

TEMP: Minimum 12

ELLIOTTS: 30

Maximum 30

CAGES: nil

WEATHER CONDITIONS: Fine and hot

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											
Ningaui sp.	14	P1-3	M	4		112.6	60	52.6	12.8		
Pseudomys hermannsburgensis	12	P1-6	M	11		134.9	64.1	70.8	18.2		has fleas
Moloch horridus		E1-14									
AFTERNOON											
Ctenotus atlas		P1-4	F	4		160.5	60.4	100.1		Possibly gravid	
Ctenophorus fardi		P2-1	M	1		129.8	39.3	90.5			

TRAPPING DATA SHEET

DATE: 30/3/2001

MOON PHASE: 1/8 moon

PITS: 16

SITE #: 3-1

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine and hot

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.	19	P2-6	M	4		104.4	51	53.4		juvenile - this year's young	
Lerista bipes		P1-2								juvenile	
Lerista bipes		P1-8								adult	
Active Search											
Pseudechis butleri										Approximately 2.5 feet long	

TRAPPING DATA SHEET

DATE: 31/3/2001

MOON PHASE: 1/4 moon

PITS: 16

SITE #: 3-1

TEMP: Minimum 9

ELLIOTTS: 30

Maximum -

CAGES: nil

WEATHER CONDITIONS: Cloudy first thing and quite dewy - then fine

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>	1	P1-1	M	25		181.5	86.8	95	24.1	young animal	
<i>Sminthopsis ooldea</i>	1	P2-2	F	8		140.6	70.5	70.1	14.5		
<i>Diplodactylus squarrosus</i>		P2-6	M	2		61	51	10			Regrowth tail
<i>Mus mus</i>		E-24									
<i>Mus mus</i>		P2-2									
<i>Ningau sp.</i>	R14	P2-8		4							
<i>Ningau sp.</i>	R11	P1-4									
Active Search											
<i>Lerista bipes</i>										adult	
<i>Lerista bipes</i>										hatchling	

TRAPPING DATA SHEET

DATE: 27/3/2001

MOON PHASE: nil

PITS: 16

SITE #: 3-2

TEMP: Minimum 5

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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	1	P1-8	F	28		200	70	130	31.4		fleas
Ningau sp.	5	P1-5	M	5		112	60.8	51.2	11.8		
Pseudomys hermannsburgensis	2	P1-4	F	9		129.8	56.7	73.1	17.5		fleas
Ningau sp.	6	P1-6	F	5		107.2	55.4	51.8	11.8		
Pseudomys hermannsburgensis	7	P1-2	F	13		155.7	74.5	81.2	18.5		fleas
Notomys alexis	2	P1-2	F	24		189.3	74.3	115	29.5		fleas
Ningau sp.	7	P1-7	F	6		112.8	64	48.8	11.5		
Ningau sp.	8	P2-2	F	6		116.9	59.3	57.6	12		
Ningau sp.	9	P2-2	M	4		108.7	56.8	51.9	11.9		
Ctenotus atlas	1	P1-4		6		195	62				
Ningau sp.	10	P2-3	M	7		112.3	56.4	55.9	12.8		

TRAPPING DATA SHEET

DATE: 27/3/2001

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
<i>Pseudomys hermannsburgensis</i>	8	P2-3	F	10		123.3	53.8	69.5	17.7		
Active Search											
<i>Moloch horridus</i>											
<i>Moloch horridus</i>											
AFTERNOON											
<i>Ctenotus atlas</i>		P1-6		5		180	62				

TRAPPING DATA SHEET

DATE: 28/3/2001

MOON PHASE: 1/8 moon

PITS: 16

SITE #: 3-2

TEMP: Minimum 5

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine and hot

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											
Ningaui sp.	R3	P1-7		4							
Varanus eremius		P2-4								Adult	
Moloch horridus		P2-1								Adult	
Moloch horridus		P2-4								Adult	
Proablepharus reginae		P1-6		<1		93	30	63			
Moloch horridus		P2-4									

TRAPPING DATA SHEET

DATE: 29/3/2001

MOON PHASE: 1/8 moon

PITS: 16

SITE #: 3-2

TEMP: Minimum 12

ELLIOTTS: 29

Maximum 30

CAGES: nil

WEATHER CONDITIONS: Fine and hot

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.	R1	P2-6		5							
Notomys alexis	5	P1-4	M	30		232	104	128	31		
Pseudomys hermannsburgensis	13	E-29	M	14		149.9	67.2	82.7	17.6		
Ningau sp.	15	P1-3	F	6		123.1	60.6	62.5	12.6		
Ningau sp.	16	P1-6	M	4		111.9	59	52.9	12.1	first year	
Proablepharus reginae		P2-3		~1		49.5	36.9	12.6			lost tail
Ctenophorus cristatus		P2-7	M	32		300	90	210			

TRAPPING DATA SHEET

DATE: 30/3/2001

MOON PHASE: 1/8 moon

PITS: 16

SITE #: 3-2

TEMP: Minimum 9

ELLIOTTS: 30

Maximum -

CAGES: nil

WEATHER CONDITIONS: Fine and hot

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.	R8	P1-1		4							
Ningau sp.	R15	P1-8		5							
Pseudomys hermannsburgensis	14	E-29	F	11		140.6	70	70.6	17.8		
Ningau sp.	R9	P2-5	M	4							Orange mite infestation on left ear

TRAPPING DATA SHEET

DATE: 31/3/2001

MOON PHASE: 1/4 moon

PITS: 16

SITE #: 3-2

TEMP: Minimum 9

ELLIOTTS: 30

Maximum 5

CAGES: nil

WEATHER CONDITIONS: Fine and hot

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											
Ningauai sp.	R4	P1-1	M	4							
Pogona minor		P1-2	M	8		193	68	125		sub-adult	
Ningauai sp.	21	P1-8	M	4		116	60	56	11.7	1st year male	
Ningauai sp.	R10	P1-4	M	6							
Ningauai sp.	22	P2-8	M	6		113	57	56	12.7	2nd year male	
Ctenotus schomburgkii											

TRAPPING DATA SHEET

DATE: 1/4/2001

MOON PHASE: 1/4 moon

PITS: 16

SITE #: 3-2

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: 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											
Ningau sp.	R6	P1-1									
Lerista bipes										sub-adult	
Lerista bipes										adult	
Simoselaps bertholdi										juvenile	
Mus mus		E-1									
Mus mus		E-2									
Ningau sp.	R7	P2-8									
Ningau sp.	26	P2-3	F	4			57.9	48	11.2	1st year female	
Gehyra purpurascens		P2-6	F	5		108	53				

TRAPPING DATA SHEET

DATE: 27/3/2001

MOON PHASE: nil

PITS: 16

SITE #: 3-3

TEMP: Minimum 5

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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.	11	P1-3	M	5		113.4	60	53.4	11.4		
Pseudomys hermannsburgensis	9	P1-2	M	7		117.8	54.8	63	16.7		fleas
Pseudomys hermannsburgensis	10	P1-5	M	13		137.4	64.1	73.3	17.8	big adult	
Active Search											
Diporiphora reginae										juvenile	
Pogona minor										juvenile	
Moloch horridus										adult	
AFTERNOON											
Varanus gouldi		P1-2									
Active Search											
Cyclodomorphus melanops elongatus										adult	active at night

TRAPPING DATA SHEET

DATE: 28/3/2001

MOON PHASE: 1/8 moon

PITS: 16

SITE #: 3-3

TEMP: Minimum 5

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine and hot

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 isolepis		P2-3		<1		73	47	12		juvenile	
Ningaui sp.	12	P1-2	M	4		100.7	54.2	46.5	11	juvenile	
Ningaui sp.	13	P2-3	M	6		121.2	67.2	54	11.2		
Mus mus		P1-2									
Ningaui sp.	R11	P2-4		5							
Active Search											
Menetia greyii				<1		60	24	36			
Ctenophorus isolepis			F							adult	
AFTERNOON											
Lialis burtonis		P1-2		19		390	220	170		Regenerated tail last third	

TRAPPING DATA SHEET

DATE: 29/3/2001

MOON PHASE: 1/8 moon

PITS: 16

SITE #: 3-3

TEMP: Minimum 12

ELLIOTT

Maximum 30

CAGES:

WEATHER CONDITIONS: Fine and hot

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
MORNING										
<i>Smynthopsis psammophila</i>	1	E2-8	M	34		220	109	111	22.8	adult - beautiful
<i>Ningau sp.</i>	17	P2-4	M	3		95.4	47.3	48.1	13.4	
<i>Mus mus</i>		P2-6								
AFTERNOON										
<i>Ctenotus schomburgkii</i>		P2-4		<1		82	33			
<i>Diporiphora reginae</i>		P2-2	M							juvenile

TRAPPING DATA SHEET

DATE: 30/3/2001

MOON PHASE: 1/8 moon

PITS: 16

SITE #: 3-3

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine and hot

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.	R12	P1-5	M	5							
Ningai sp.	20	P1-3	M	6		109.8	56.8	53	12		
Ctenotus atlas		P2-5		4		171	58	113			
Active Search											
Pseudechis butleri						~3ft				disappeared down hole	

TRAPPING DATA SHEET

DATE: 31/3/2001

MOON PHASE: 1/4 moon

PITS: 16

SITE #: 3-3

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine and hot

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		E1-12									
Ningauai sp.	R13	P2-3	M	5						2nd year old	
Ningauai sp.	R16	P2-1	F	3							
Lialis burtonis		P2-3		5							grey morph

TRAPPING DATA SHEET

DATE: 1/4/2001

MOON PHASE: 1/4 moon

PITS: 16

SITE #: 3-3

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: 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	6	P2-6	F	28		210	84	126	31.4		
Ningaui sp.	23	P2-3	M	6		121.9	61.2	60.7	12.8		
Delma butleri		P1-1		3		230					regrowth tail
Sminthopsis hirtipes	5	P1-3	M	8		126	62	64	16.3	young	
Notomys alexis	7	P1-3	F	36		200	100	100	33.2	part of tail missing - old injury	
Ningaui sp.	R17	P1-5									
Ningaui sp.	R20	P2-2									
Ctenophorus fordii		P1-1									
Ctenophorus fordii		P1-3									

TRAPPING DATA SHEET

DATE: 2/4/2001

MOON PHASE: 1/2 moon

PITS: 16

SITE #: 3-3

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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.		P1-6								Escaped - no ear notch seen - first year	
Mus mus		E2-4									
Sminthopsis psammophila	3	P1-5	M	36		208	108	100	25	adult	
Cyclodomorphus melanops elongatus		P1-8		2		92	50	42		juvenile	
Pogona minor		P1-5	M	23		260	91	169		adult	
Diporiphora reginae		P1-3	M	7		212	63	149		sub-adult	

TRAPPING DATA SHEET

DATE: 3/4/2001

MOON PHASE: 1/2 moon

PITS: 16

SITE #: 3-3

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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		E1-12									

TRAPPING DATA SHEET

DATE: 4/4/2001

MOON PHASE: 3/4 moon

PITS: 16

SITE #: 3-3

TEMP: Minimum

ELLIOTTS: 30

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											
Lerista bipes											
Moloch horridus		E1-14									
Proablepharus reginae		P1-8		<1		53	30				broken tail
Varanus eremius		P2-7	M	51		405	154	246?			
Ctenotus atlas		P1-3									

TRAPPING DATA SHEET

DATE: 5/4/2001

MOON PHASE: almost full

PITS: 16

SITE #: 3-3

TEMP: Minimum

ELLIOTTS: 30

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: 6/4/2001

MOON PHASE: full moon

PITS: 16

SITE #: 3-3

TEMP: Minimum

ELLIOTTS: 30

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											
Ningau sp.	R19?	P1-3	F							Questionable on ID, but definitely recapture	

TRAPPING DATA SHEET

DATE: 27/3/2001

MOON PHASE: nil

PITS: 16

SITE #: 3-4

TEMP: Minimum 5

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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	3	P2-4	M	25		214	90	124	20.5		
Mus mus		P2-1									
Pseudomys hermannsburgensis	11	P2-8	F			139.8	61	78.8	17.7		
Ctenotus brooksi		P1-5		1		76	32	44			
Ctenophorus fordii		P1-5		3		132.1				Found dead in pit - kept body	
Notomys alexis	4	P1-8	F	26		230	94	136	31.2		fleas
Active Search											
Morethia butleri											
Moloch horridus											
Ctenophorus fordii			F	1							

TRAPPING DATA SHEET

DATE: 28/3/2001

MOON PHASE: 1/8 moon

PITS: 16

SITE #: 3-4

TEMP: Minimum 5

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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											
Smynthopsis hirtipes	2	P1-8	F	17		148	74	74	16.7	lactating	
Smynthopsis hirtipes	3	P2-1	M	17		157	80	77		big adult	
Cercartetus concinnus	1	P1-7	M	11		130	60	70		big adult	
Ctenotus brooksi		P1-1									
Active Search											
Ctenophorus isolepis											
Ctenophorus fordi											
AFTERNOON											
Cyclodomorphus melanops elongatus		P1-1		7		145	75	70			
Delma butleri		P2-3		4		228	83	145			
Pygopus nigriceps		P2-2		1		169	83	116			
Ctenotus atlas		P1-8		1		116	45	71			

TRAPPING DATA SHEET

DATE: 29/3/2001

MOON PHASE: 1/8 moon

PITS: 16

SITE #: 3-4

TEMP: Minimum 12

ELLIOTTS: 30

Maximum 30

CAGES: nil

WEATHER CONDITIONS: Fine and hot

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		P2-1									
Ningau sp.	18	P2-4	M	6		119.6	61.3	58.3	11.7		
AFTERNOON											
Ctenotus atlas		P1-8		5		192.3	62.2	130.1			
Ctenophorus fordi		P1-7	M	3		121	39.5	81.5		juvenile	
Ctenophorus fordi		P1-7	M	5		198.5	52.5	146		adult	

TRAPPING DATA SHEET

DATE: 30/3/2001

MOON PHASE: 1/8 moon

PITS: 16

SITE #: 3-4

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine and hot

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 fordi											
Ctenophorus fordi											
Pseudonaja nuchalis										juvenile	
Cyclodomorphus melanops elongatus										sub-adult	

TRAPPING DATA SHEET

DATE: 31/3/2001

MOON PHASE: 1/4 moon

PITS: 16

SITE #: 3-4

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Cloudy first thing and quite dewy - then fine

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>Pseudomys hermannsburgensis</i>	15	P1-4	M	6		100.1	50.6	49.5	17.5	very young	
<i>Ningai</i> sp.	R13?	P1-5	M	5							
<i>Smynthopsis hirtipes</i>	4	P2-3	M	16		156	81	75			

TRAPPING DATA SHEET

DATE: 1/4/2001

MOON PHASE: 1/4 moon

PITS: 16

SITE #: 3-4

TEMP: Minimum

ELLIOTTS: 30

Maximum -

CAGES: nil

WEATHER CONDITIONS: 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.	R4										
Lerista bipes										adult	

TRAPPING DATA SHEET

DATE: 1/4/2001

MOON PHASE: 1/4 moon

PITS: 16

SITE #: 3-5

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: 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		E2-4									
Mus mus		E2-6									
Smynthopsis psammophila	2	E2-18	M	32		220	108	112	24		
Ningauai sp.	24	P1-2	F	4		94.4	47.1	47.3	11	1st year	
Ningauai sp.	R16	P2-6	F							1st year	
Notomys alexis	7	P2-1	F	33		186?	95	131	31.8		
Ningauai sp.	25	P2-6	M	5		116	60	56	12.2	1st year	
Nephurus laevisimus		P1-5	M	12		94	69				
Pseudomys hermannsburgensis	15	P2-4	M	15			70	83	19		
Ctenotus atlas		P1-2								adult	

TRAPPING DATA SHEET

DATE: 2/4/2001

MOON PHASE: 1/2 moon

PITS: 16

SITE #: 3-5

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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>Pseudomys hermannsburgensis</i>	R11	E1-8									
Ningauai sp.	R14										
<i>Mus mus</i>		E2-1									

TRAPPING DATA SHEET

DATE: 3/4/2001

MOON PHASE: 1/2 moon

PITS: 16

SITE #: 3-5

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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		E1-4									
Pseudomys hermannsburgensis	R15	E1-14									
Pseudomys hermannsburgensis	R11	E2-8									
Moloch horridus		P1-3									
Ctenotus schomburgkii		P1-2		<1		76	34				

TRAPPING DATA SHEET

DATE: 4/4/2001

MOON PHASE: 3/4 moon

PITS: 16

SITE #: 3-5

TEMP: Minimum

ELLIOTTS: 30

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	R	E1-14									
Sm inthopsis psammophila	R2	E2-1									
Ctenotus atlas		P2-8									
Ningaui sp.	R7 or R	P2-5								Recapture from P2-8, Q2	
Varanus eremius		P1-1									
Proablepharus reginae		P1-2									
Mus mus		E2-18									

TRAPPING DATA SHEET

DATE: 5/4/2001

MOON PHASE: almost full

PITS: 16

SITE #: 3-5

TEMP: Minimum

ELLIOTTS: 30

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: 6/4/2001

MOON PHASE: full moon

PITS: 16

SITE #: 3-5

TEMP: Minimum

ELLIOTTS: 30

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											
Ningauai sp.	R16	P1-1									
Mus mus		E1-14									
Lerista bipes										juvenile	

Appendix 4. Trapping data sheets from Site 4

TRAPPING DATA SHEET

DATE: 2/4/2001

MOON PHASE: 1/2 moon

PITS: 16

SITE #: 4-6

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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.	1	P1-5	F	4		120	65	55	11	1st year	
Mus mus		P2-1									
Ningau sp.	2	E2-9	M	6		129	71	58	11	adult	
Pseudomys hermannsburgensis	1	P2-1	M	7		136?	58	68	18	young - first year	
Ningau sp.	3	P2-7	F	6		122	57	65	15		
Pseudomys hermannsburgensis	2	P1-4	F	11		149	66	83	18	adult	
Ningau sp.	4	P1-2	M	5		111	57	54	11	juvenile	
Lerista bipes		P1-3		<1		72	55	17?			
Diplodactylus assimilis		P1-3		6		125	73	47			
Cercartetus concinnus	1	P1-7	M			135	60	75	11	big male	
Ctenotus helenae		P2-4	M	15		231	83	148			

TRAPPING DATA SHEET

DATE: 2/4/2001

SITE #: 4-6 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
MORNING											
Ctenotus schomburgkii		P2-8		1		100	36	64			
Diporiphora reginae		P2-6	M	4		198	55	143		young	breeding colour
Diporiphora reginae		P2-4	M	10		233	70	163		adult	breeding colour

TRAPPING DATA SHEET

DATE: 3/4/2001

MOON PHASE: 1/2 moon

PITS: 16

SITE #: 4-6

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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.	R2	P1-7								first year	
Cercartetus concinnus	3	P1-4	M	9		147	72.4	74.6	9.4	big male	
Diporiphora reginae		P1-1	M	7		221	62	159		active male	
Sminthopsis hirtipes	3	P2-4	M	14		159.5	79	80.5	17.6	active male	
Active Search											
Ctenotus schomburgkii											
Lialis burtonis											olive colour form
AFTERNOON											
Lerista bipes		P2-2									
Active Search											
Ctenophorus clayi											
Proablepharus reginae											
Moloch horridus											

TRAPPING DATA SHEET

DATE: 4/4/2001

MOON PHASE: 3/4 moon

PITS: 16

SITE #: 4-6

TEMP: Minimum

ELLIOTTS: 30

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											
Lerista bipes		P1-4		<1		57	47				broken tail
Ningaui sp.	7	P2-8	M	5		107	53	54		first year	
Ctenotus quattuordecimlineatus		P2-6		2			44	119			regrowth tail
Ctenotus atlas		P2-6		6		200	64				

TRAPPING DATA SHEET

DATE: 5/4/2001

MOON PHASE: almost full

PITS: 16

SITE #: 4-6

TEMP: Minimum

ELLIOTTS: 30

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>Pseudomys hermannsburgensis</i>	7	P2-1	F	15		157	67	90	20		
<i>Diporiphora reginae</i>		P2-6	M	2		160	44			young	
<i>Diporiphora reginae</i>		P2-6	F	2		159	45			small	
<i>Ctenotus atlas</i>		P2-3		<1		77	49				
<i>Proablepharus reginae</i>		P2-2		<1		103	33				
<i>Ctenophorus isolepis</i>		P2-1	M	2		126	41			reproductively active	

TRAPPING DATA SHEET

DATE: 6/4/2001

MOON PHASE: full moon

PITS: 16

SITE #: 4-6

TEMP: Minimum

ELLIOTTS: 30

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											
Ningau sp.	R7	P2-3									
Diplodactylus stenodactylus??		P1-2	M	2		102	51	51			two tailed
Lerista bipes		P1-8		<1		70	56	14			broken tail
Ctenophorus isolepis		P1-3	M								
Diporiphora reginae		P1-4	F	6		211	63			breeding	
Ctenophorus isolepis		P1-3	M	3		130	41	89			

TRAPPING DATA SHEET

DATE: 2/4/2001

MOON PHASE: 1/2 moon

PITS: 16

SITE #: 4-7

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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											
Pogona minor		P1-8	M	27		287	101	398???			injury in mouth
Notomys alexis	1	P2-2	M	18		190	82	108	30	young	
Sminthopsis hirtipes	1	P2-7	F	12		146	76	70	17	adult	
Pseudomys hermannsburgensis	3	P2-6	F	11		157	72	85	19		fleas
Sminthopsis psammophila	4	P1-8	M	38		227.1	115	112.1	26	adult	healthy, but tail injury
Pseudomys hermannsburgensis	4	P2-2	M	11		149	67	82	18		
Pseudomys hermannsburgensis	5	P2-3	M	6		123	55	68	16		1st year
Pseudomys hermannsburgensis	6	P2-3	F	10		147	67	80	18		young
Cercartetus concinnus	2	P1-4	M	10		146	71	75	11		
Sminthopsis hirtipes	2	P1-4	M	8		138	68	70	18		young
Ningau sp.	5	P1-1	F	5		120	60	60	12		first year

TRAPPING DATA SHEET

DATE: 2/4/2001

SITE #: 4-7 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
MORNING											
Proablepharus reginae		P1-6									injured tail
Ctenophorus isolepis		P1-8								juvenile	

TRAPPING DATA SHEET

DATE: 3/4/2001

MOON PHASE: 1/2 moon

PITS: 16

SITE #: 4-7

TEMP: Minimum

ELLIOTTS: 30

Maximum

CAGES: nil

WEATHER CONDITIONS: Fine

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											
Ningaui sp.	6	P2-8	M	5		111.5	60	51.5	11.9	first year	
Ningaui sp.	R5	P2-6		4							
Pseudomys hermannsburgensis	7	P1-4	F	6		125.3	58.8	66.5	17.2	first year	
Pseudomys hermannsburgensis	R3	E1-20									
Ctenotus schomburgkii		P2-6									
Active Search											
Ctenophorus clayi											
AFTERNOON											
Pygopus nigriceps		P1-3								juvenile	

TRAPPING DATA SHEET

DATE: 4/4/2001

MOON PHASE: 3/4 moon

PITS: 16

SITE #: 4-7

TEMP: Minimum

ELLIOTTS: 30

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											
Ningaui sp.	8	P1-2	F	6		110	66	64	14		2nd year
Cercartetus concinnus	4	P1-4	M	9		138	63	75	12		
Pseudomys hermannsburgensis	8	P2-8	M	14		169	77	92	19		big adult
Pseudomys hermannsburgensis	R7	P2-5									
Cercartetus concinnus	5	P2-6	M	10		149	73	76	11	adult - big testes	
Cercartetus concinnus	6	P2-5	M	12		140	64	76	10		
Varanus tristis tristis		P1-2	F	225		674	242	432			sloughing

TRAPPING DATA SHEET

DATE: 5/4/2001

MOON PHASE: almost full

PITS: 16

SITE #: 4-7

TEMP: Minimum

ELLIOTTS: 30

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											
Notomys alexis	2	P2-1	M	29			94	141	31		
Ningau sp.	R8			5							
Pseudomys hermannsburgensis	R3	P1-2	F	13						Teats swollen	
Cercartetus concinnus	R2	P2-5	M	11							
Ctenotus atlas		P1-3									

TRAPPING DATA SHEET

DATE: 6/4/2001

MOON PHASE: full moon

PITS: 16

SITE #: 4-7

TEMP: Minimum

ELLIOTTS: 30

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											
Ctenotus atlas		P1-8		6		204	65				
Notomys alexis		P1-8								Escaped - chewed through bag	
Pseudomys hermannsburgensis	R7	P2-4									

Appendix 5. Table used for describing and assessing vegetation

Key for describing 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

Key for describing vegetation cover

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

WOODY PLANTS	Type of Vegetation	Foliage Cover	Broad description of Vegetation Formation	Fully grown height of the highest level of vegetation		
	TREES single-stemmed woody plants over 5 metres tall when fully grown			Over 30 metres	10 to 30 metres	5 to 10 metres
		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 usually multi-stemmed woody plants less than 8 metres high			2 to 8 metres		less than 2 metres
		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 plants with non-woody stems			Description Based on Dominant Type of Herb		
		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.