



Technical Appendix C2

Mammals and Reptiles

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GORGON DEVELOPMENT ON BARROW ISLAND

TECHNICAL REPORT

MAMMALS AND REPTILES

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1 Introduction

The Gorgon Venture proposes to develop a gas processing facility at Town Point on the east coast of Barrow Island with associated gas feed pipelines running across the Island from a shore crossing at either North White's Beach or Flacourt Bay. The proposed Development area includes vegetated and unvegetated habitats used by mammals and reptiles. Direct loss of some of these habitats during construction of the gas processing facility and pipelines is likely to affect local fauna.

Formal assessment of the impacts of the proposed Development requires information on the significance of the impacted areas to terrestrial fauna. Forty three reptile species, one frog species, thirteen resident land mammal species and two vagrant mammal species are known from Barrow Island (Attachment 1 and 2). The Barrow Island populations of some of these species are of regional significance because they are secure populations of species that are under threat on the mainland. Long isolation from the mainland has also led to genetic divergence of the Island populations from the mainland populations giving the Island taxa higher conservation significance. While specially protected mammal and reptile species are known to occur on Barrow Island and there is a good species inventory for the Island, quantitative data on the distribution and abundance of the fauna around the Island are scarce.

Harry Butler conducted early surveys to establish an understanding of the vertebrate fauna on Barrow Island, for example Butler (1970). The Department of Conservation and Land Management (CALM) has studied terrestrial vertebrates on the Island during annual trapping and spotlighting surveys for at least the last six years. CALM established a mammal monitoring program for Barrow Island that involves five grids of traps in representative areas around the Island. Population estimates for the key mammal species on the Island have been derived from the work by CALM and by Short et al. (1988). The Western Australian Museum (WAM) has collected on the Island and has been provided with specimens from the Island from other studies.

Literature reviews and further field surveys were conducted on behalf of the Gorgon Venture for the earlier Environmental, Social and Economic (ESE) Review of the Gorgon Development proposal (Bamford 2002). The ESE Review process identified gaps in existing knowledge concerning the distribution and diversity of terrestrial fauna, especially reptiles, in potential impact areas in relation to other areas.

Bamford Consulting Ecologists and Biota Environmental Sciences were engaged to redress this lack of information by surveying mammals and herpetofauna in the proposed Development area in 2003/2004.

The main aims of the current study of the vertebrate fauna of Barrow Island were taxonomic and ecological as described below:

- To assess the reptile and mammal species diversity in the vicinity of the proposed Development area and to augment existing WAM collections for the area (taxonomic).
- To determine the abundance of vertebrates in different landforms/vegetated habitats within the potential impact area (ecological).

Seasonal variation in catchability, detectability and population size necessitate sampling over several seasons to gain a representative sample of the biodiversity of the area. This report presents the findings of trapping surveys in November–December 2003, October

2004 and targeted herpetofauna sampling in August–September 2004. This report assesses the importance of the proposed Development sites in relation to other areas of Barrow Island for terrestrial vertebrate fauna, based on the results of these surveys and previous work by CALM.

2 Methods

The two aims of the study demanded different survey techniques. Trapping grids were set up to survey the abundance of vertebrate fauna in different vegetation and landform habitats. Targeted sampling of habitats known to be important for herpetofauna in other areas was employed to gain an inventory for the area.

2.1 Survey Methodology and Limitations

Survey methodology was consistent with the Guidance for the Assessment of Environmental Factors No. 56 - Terrestrial Fauna Surveys for Environmental Impact Assessment in Western Australia (EPA, 2004).

The survey teams were led by Dr Mike Bamford, Dr Mike Craig, Dr Roy Teale and Greg Harold; professionals experienced in small vertebrate surveys and ecology in the Pilbara.

While the survey design and methodology closely matched CALM's trapping program on Barrow Island, there are limitations in these methods for censusing larger reptiles. Pitfall traps were augmented with opportunistic hand foraging and targeted trapping techniques for reptiles. Funnel trapping was not employed to catch larger reptiles, such as pygopodid lizards and snakes, due to concerns that captured animals would be more vulnerable to predation by mammals and perenties prior to traps being cleared.

Trapping grid surveys were conducted in spring of 2003 and 2004 to match the annual sampling periodicity followed by CALM. Surveying at other times of the year may detect other species, especially of reptiles, not recorded during the spring surveys. Changes in abundance and population recruitment rates may also be estimated by sampling at different times of the year.

2.2 Ecological Surveys

Trapping grids replicating the grid layout established by CALM during annual sampling carried out on Barrow Island since 1998 (Burbidge et al. 1998, 2003) were established in the proposed gas processing facility area. CALM currently monitors Barrow Island's mammal and reptile fauna from five grids set out around the Island. Bamford Consulting and RPS Bowman Bishaw Gorham established a further six grids in the vicinity of the proposed Development area. This allowed results collected in the proposed Development area to be compared with CALM data from similar habitats elsewhere on the Island and to determine the importance of different vegetation and landform types in the area for fauna.

Boodie (*Bettongia lesueur*) warrens are of special conservation significance as they persist for many years and boobies rely upon warrens for daytime shelter. An area of approximately 658 ha of the area surrounding proposed infrastructure locations near Town Point was surveyed in an attempt to locate all warrens in the vicinity of the proposed gas processing facility (Figure 2-1). The route of the gas pipeline from North White's Beach to the Gorgon gas processing facility area was also surveyed

(approximately 550 ha) for boodie warrens in sectors where this did not follow existing roads. The Flacourt Bay alternative pipeline route was surveyed and found to be clear of boodie warrens during the ESE Review studies (Bamford 2002).

2.2.1 Trapping Grids

Reptiles and mammals were trapped from 25 November to 2 December 2003, and from 16–25 October 2004. The trapping grid layout replicated that used by CALM as part of its long-term monitoring on the Island, with each trapping site containing 25 pitfalls (40 cm deep by 15 cm diameter PVC pipe, assisted with a six metre drift fence), 25 Elliott traps and 25 cage traps. These were deployed at 20 m spacing in a five by five regular grid. Six such layouts were established in the six main vegetation types within the proposed Development area. Some of these vegetation types were also represented in CALM's monitoring program and therefore the sampling in these sites was replicated. Each trapping grid was opened over four consecutive nights for sampling. CALM sampled its trap grids over four nights during 21–29 October 2003 and CALM's trap grids were sampled concurrently with the grids in the Gorgon Development area in October 2004.

Table 2-1 describes each trapping site in the Gorgon Development area and lists the CALM site in similar vegetation where applicable. The trapping grids are shown in Figure 2-1.

Table 2-1 - Locations and Vegetation Descriptions of Reptile and Mammal Trapping Sites in the Proposed Development Area

Trapping Grid	Location (WGS84)	Vegetated habitat	CALM grid analogue
Site 1	339285E 7700715N	Acacia bivenosa shrubland over <i>Triodia wiseana</i> on red loam	Similar to CALM Site Landing at 340765E, 7706890N
Site 2	339257E 7700980N	<i>Melaleuca</i> shrubland over <i>Triodia wiseana</i> on limestone slopes	Similar to CALM Site M21 at 334140E, 698560N
Site 3	339010E 7699320N	<i>Acacia coriacea</i> shrubland over <i>Triodia angusta</i> on red sandy-loam behind secondary dune	Similar to CALM Site John Wayne Country
Site 4	339885E 7700545N	<i>Triodia angusta</i> with scattered <i>Acacia coriacea</i> on shallow pale red sand over limestone near coast	No similar CALM site
Site 5	339555E 7700225N	Coastal dune complex, from <i>Spinifex longifolius</i> on white sand foredunes to <i>Acacia coriacea</i> shrubland over <i>Triodia angusta</i> on red sand of secondary dunes and swales	Some similarities to CALM Site John Wayne Country and CALM site Bandicoot Bay. Bandicoot Bay used for comparisons
Site 6	338415E 7701855N	<i>Triodia wiseana</i> on hilltop; soil consisting of fragmented limestone and red loam	Similar to CALM Site S62 at 329490E, 7703402N

The location given is for the north-west corner of each grid. Also indicated are CALM trapping sites in similar vegetation types

All specimens caught in the trapping survey were measured, weighed and marked. Reptile snout to vent and total lengths were measured. Reptiles were marked by toe-clipping, with a single clip being taken in most cases so that specimens could be recognised as recaptures during the survey. For mammals, crown, pes and external gonad dimensions were measured, while notes were made on reproductive condition and the presence of pouch young for females. Small mammals were individually marked with an ear punch and larger mammals (boodie, brush-tailed possum, golden bandicoot and spectacled hare-wallaby) had a Passive Identification Tag (PIT) inserted under the skin between the shoulder blades by F. Donaldson or M. Bamford under licence from CALM. Marking allowed assessment of recapture rates.

2.2.2 Boodie Warren Transect Surveys

Boodie warrens have been recorded in the Development area during previous surveys (Bamford 2002). Observations made during operation of the existing oil facilities have also been made available. Nevertheless, a systematic approach of intensive walked transects was required to confirm the status of known warrens and to locate other boodie warrens within the proposed Development area.

Boodie warren transects were spaced 50 m apart and aligned east to west. The area covered by the boodie transects is the Mammal Survey Outline shown in Figure 2-1. Details of the boodie transects, including coordinates of the ends of each transect, are presented in Attachment 3. Hand-held GPS units were used to ensure that surveyors stayed on track and observers moved away from their transect only to investigate interesting features such as possible warrens or dense vegetation. Boodie warren transects were progressively surveyed from October to December 2003 until the entire survey area had been covered. The total length of boodie warren transects was 131 km.

When warrens were located, their position (WGS84; zone 50) was recorded and the approximate number of entrances and significant features such as vegetation and soil type were noted. In addition to warrens, areas of limestone solution pipes that were clearly being used for shelter by mammals or reptiles were noted, with the number of holes also being recorded, as were locations of active foraging by mammals (indicated by concentrations of diggings). The locations of hare-wallabies and incidental observations of landbirds were also recorded. Landbirds are described in Technical Appendix C3.

The pipeline route from North White's Beach to the proposed gas processing facility was surveyed for boodie warrens during 9-10 February 2004. Sections surveyed were from North White's Beach at 334871E, 7710932N to 337503E, 7708662N, with emphasis on the westernmost portion of this section where the route passes through undisturbed vegetation and from 337306E, 7707122N to 337044E, 7703717N. This latter section passes entirely through undisturbed vegetation and is also a potential route for the CO₂ reinjection pipeline.

2.3 Taxonomic Inventory Surveys

To supplement the systematic herpetofauna trapping in the grids described above, in November 2003 and August-September 2004 Biota Environmental Sciences used opportunistic hand foraging and other targeted techniques throughout the Development area to augment the inventory of herpetofauna from the area. The survey methods included visual searches, raking leaf litter, excavating burrows, lifting rocks and head-torching. In addition, three transects of up to 50 medium sized Elliott traps were

installed. The aim of the survey was to collect species that do not readily enter pit traps and to search for previously unrecorded species.

Discussions with WAM indicated that whilst previous collecting had been thorough, there was little tissue to support molecular studies examining the taxonomic status of the Barrow Island populations. It was therefore decided that five specimens of each sex for each species should be collected. All specimens were curated in the field under ethics approval granted under the WAM application to the CALM Animal Ethics Committee, which covers Mr Roy Teale as a Research Associate with WAM. Collecting was undertaken under licences granted to Mr Roy Teale and Mr Greg Harold.

The herpetofauna survey was conducted between the 18 and 25 November 2003. Hand foraging and raking was completed during the morning between 6:30 am and 11:30 am and again late in the afternoon through to dusk. This was supplemented by road-spotting and head-torching activities at night.

Specimens were euthanased using Nembutal® which was injected into the heart region or for small reptiles by placing a few drops into the mouth of the animal. Liver samples were taken from a small incision made just below the rib cage. Liver samples were placed into labelled cryovials and deposited into a Dewar flask containing liquid nitrogen. The animal was subsequently labelled with the voucher number provided by WAM and placed into the freezer. Prior to removing a liver sample the animal was weighed, sexed and the snout-vent and tail-vent were measured. Upon completion of the survey all specimens and associated tissue samples were lodged with WAM.

For those specimens where the total species capture had exceeded 10 individuals or five from any one sex (where this could be accurately determined), a small (1–1.5 cm) length of tail was removed and placed in 100% ethanol. These samples were also lodged with WAM for future DNA analysis.

All data for specimens from which tissue was collected were provided to WAM for inclusion in FaunaBase.

For those species where the above program did not yield sufficient numbers for molecular studies, additional specimens were obtained from the ecological trapping grids. This document summarises data associated with the specimens vouchered with WAM as well as additional records from animals captured and subsequently released.

Further to sampling in November 2003, additional opportunistic sampling was conducted at the end of winter between 25 August and 1 September 2004. The work involved hand foraging and raking during the day as the cooler temperatures enabled the reptiles to remain active throughout the daylight hours. Little nocturnal work was completed because cool temperatures and strong winds precluded any significant reptile activity at night time.

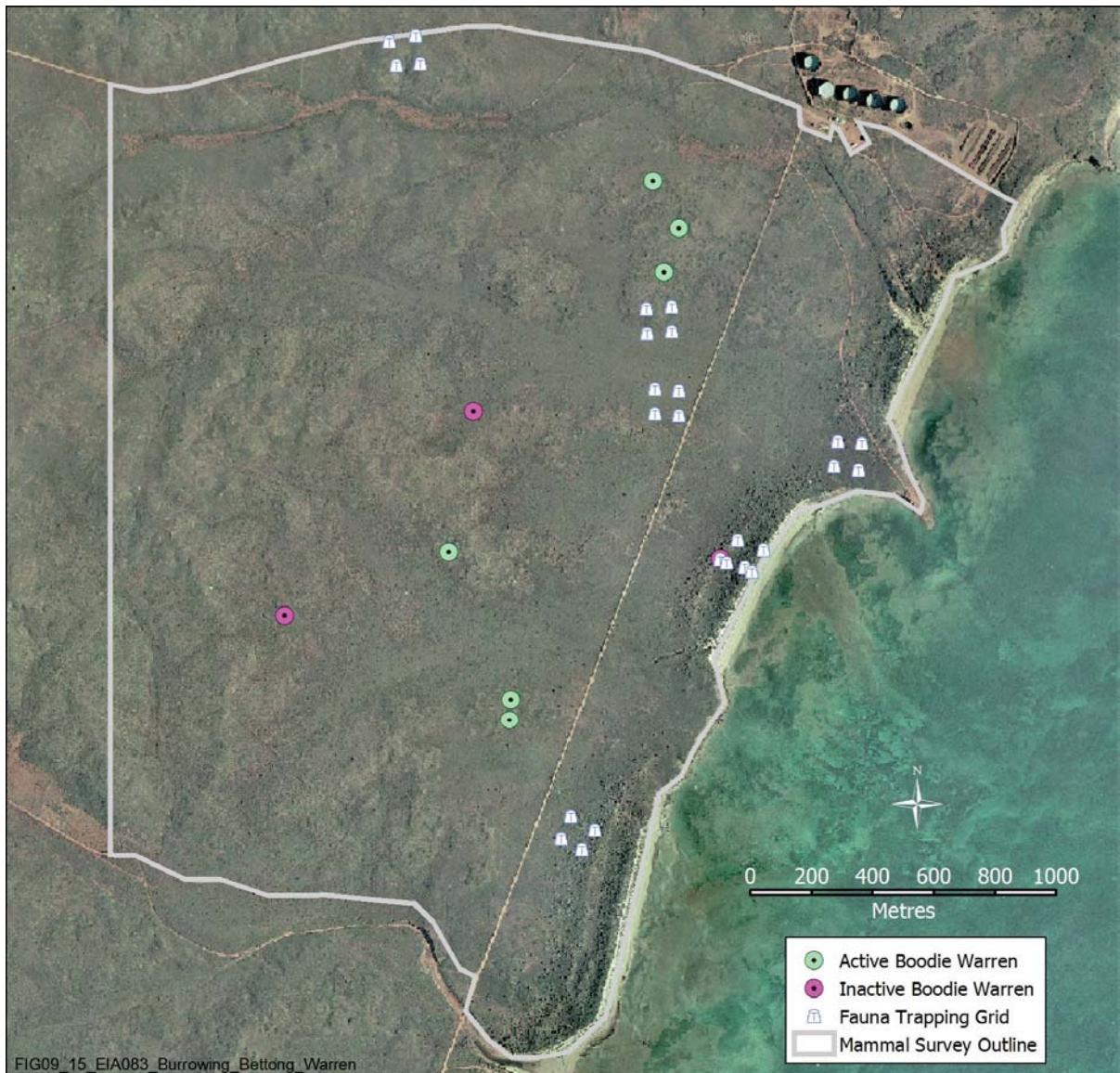


Figure 2-1 - Fauna Trapping Grids, Boodie Warrens and Boodie Transect Survey Area

3 Results

3.1 Trapping Survey and Opportunistic Observations

3.1.1 Reptiles

The number of each species of reptile caught in the six trapping grids in 2003 and 2004 is presented in Table 3-1 and Table 3-2 respectively. Trapping results are presented in Attachment 4. The species list for terrestrial reptiles known from Barrow Island is presented in Attachment 2.

In November-December 2003, a total of 295 individual reptiles representing six families and 18 species were caught in the traps. A further seven species were observed in the trapping area, but were not captured in the pitfalls. In October 2004, a total of 248 individual reptiles representing five families and 17 species were caught in the traps. These numbers are similar to those recorded in the 2003 survey.

In the 2003 and 2004 surveys combined, a total of six families and 22 species were caught in traps. This tally represents slightly more than half the reptile species known from Barrow Island. In addition to the species trapped, the Perentie (*Varanus giganteus*) was observed on major tracks and beaches throughout the study area and on rocks and in open grassland at Town Point, while three snake species (the Mulga Snake *Pseudechis australis*, Stimson's Python *Antaresia stimsoni* and a blind snake *Ramphotyphlops grypus*), were observed within or close to the Development area. The blind snake represented an addition to the reptile fauna known from Barrow Island.

Table 3-1 - Reptiles Caught in Six Trapping Grids on the Proposed Development Area, November-December 2003

Species	Grid						Total
	1	2	3	4	5	6	
Gekkonidae							
<i>Heteronotia binoei</i>	1	3	0	0	2	2	8
Pygopodidae							
<i>Delma borea</i>	0	0	0	1	0	0	1
<i>Delma nasuta</i>	2	0	0	0	0	1	3
<i>Lialis burtonis</i>	0	0	0	0	2	0	2
Agamidae							
<i>Pogona minor</i>	0	0	0	0	3	0	3
Varanidae							
<i>Varanus acanthurus</i>	0	1	0	0	0	0	1
Scincidae							
<i>Carlia triacantha</i>	0	1	0	0	0	0	1
<i>Ctenotus grandis</i>	5	4	5	1	1	0	16
<i>Ctenotus pantherinus</i>	1	0	1	0	1	0	3
<i>Ctenotus saxatilis</i>	1	2	0	1	1	1	6
<i>Cyclodomorphus melanops</i>	1	0	1	1	0	0	3
<i>Lerista bipes</i>	3	17	70	37	51	0	178
<i>Lerista muelleri</i>	6	5	8	9	7	5	40
<i>Menetia greyii</i>	8	5	0	0	2	6	21
<i>Morethia ruficauda</i>	0	0	1	0	0	0	1
<i>Notoscincus ornatus</i>	1	6	0	0	0	0	7
<i>Proablepharus reginae</i>	0	0	0	0	1	0	1
Typhlopidae							
<i>Ramphotyphlops ammodytes</i>	0	1	0	0	0	0	1
Number of species	10	10	6	6	10	5	18
Number of specimens	29	45	86	50	71	15	295

Table 3-2 - Reptiles Caught in Six Trapping Grids on the Proposed Development Area, October 2004

Species	Grid						Total
	1	2	3	4	5	6	
Gekkonidae							
<i>Heteronotia binoei</i>	2					5	7
<i>Strophurus jeanae</i>			1	1			2
Pygopodidae							
<i>Delma borea</i>	1						1
Agamidae							
<i>Ctenophorus caudicinctus</i>						1	1
<i>Pogona minor</i>					1		1
Varanidae							
<i>Varanus acanthurus</i>		2					2
Scincidae							
<i>Ctenotus grandis</i>	6	12	7	7	2		34
<i>Ctenotus pantherinus</i>	1	2			1	1	5
<i>Ctenotus saxatilis</i>	2	7			1	2	12
<i>Cyclodomorphus melanops</i>	2		1	3		2	8
<i>Glaphyromorphus isolepis</i>					1		1
<i>Lerista bipes</i>	3	14	33	26	43		119
<i>Lerista muelleri</i>	2	4	2	4	3	1	16
<i>Menetia greyii</i>	3	4	2		1	1	11
<i>Morethia ruficauda</i>		3	1	2			6
<i>Notoscincus ornatus</i>	2	4	2		1		9
<i>Proablepharus reginae</i>		2		1		2	5
Number of species	10	10	8	7	9	8	17
Number of specimens	24	54	49	44	54	15	240

The abundances of most of the reptile species were so low within each habitat type that little can be concluded regarding their habitat associations. However, for the more abundant skinks, the following patterns were evident:

- *Lerista bipes* - very abundant in coastal or near-coastal sites with sandy or sandy-loam soils.
- *Lerista muelleri* - widespread across all sites.
- *Menetia greyii* - absent from the coastal sites with sandy soils.
- *Notoscincus ornatus* - practically restricted to *Melaleuca* shrubland and spinifex on shallow soil with a lot of exposed limestone.

Burbidge et al. (2003) indicate the sites at which they trapped each of the 14 reptile species collected from the CALM grids. Two of these species were not recorded in the Gorgon trapping grids, but are expected to occur in the area. The skink *Lerista elegans* was caught only at CALM's Bandicoot Bay site and the gecko *Strophurus jeanae* was caught at the Bandicoot Bay, John Wayne and M21 sites. The habitats surrounding these CALM trapping sites are also represented in the Gorgon trapping sites, although the Bandicoot Bay site has more extensive white sands than are present at the most similar site in the proposed Development area (Site 5 - Table 2-1).

3.1.2 Mammals

The abundances of mammals caught in the six trapping grids in November-December 2003 and October 2004 are presented in Table 3-3 and Table 3-4 respectively. A complete list of mammals known from Barrow Island is presented in Attachment 1. Mammal trapping results are presented in Attachment 5.

A total of 202 individual mammals representing six families and eight species were caught in November-December 2003. In October 2004, 288 individual mammals of six families and six species were caught. Overall, all of the terrestrial mammals of Barrow Island were caught in the Town Point grids with the exception of the bats, the euro (*Macropus robustus isabellinus*), the black-flanked rock-wallaby (*Petrogale lateralis*) and the rakali or water-rat (*Hydromys chrysogaster*).

The euro was present at all sites and was seen most regularly along the coast where rocks and gorges provide shade. It appeared that about 10 animals occurred across the proposed Development area.

The rock-wallaby was absent from the Town Point area as the habitat was not suitable and all previous records of the species are from the west coast. Rock wallabies were observed in the cliffs at Flacourt Bay on the west coast of the Island.

The rakali was recorded along the coast near Town Point where tracks were seen and one specimen was trapped in an opportunistically placed cage trap. Rakali were observed foraging at night along the high tide line on the beach between Town Point and the ChevronTexaco camp (Fitzpatrick, J. and Vitenbergs, A. 2004. Personal communications). Tracks on beaches indicate that the rakali occurs right around Barrow Island, particularly where rocky and sandy shorelines alternate.

Table 3-3 - Mammals Caught in Six Trapping Grids on the Proposed Development Area, November-December 2003

Species	Grid						Total
	1	2	3	4	5	6	
Dasyuridae							
<i>Pseudantechinus</i> sp.	0	0	1	0	0	1	2
<i>Planigale</i> sp.	0	1	0	1	1	0	3
Peramelidae							
<i>Isodon auratus barrowensis</i>	27	20	18	29	21	21	136
Phalangeridae							
<i>Trichosurus vulpecula</i>	2	9	8	8	8	2	37
Potoroidae							
<i>Bettongia lesueur</i>	2	2	3	3	0	0	10
Macropodidae							
<i>Lagorchestes conspicillatus</i>	1	5	1	0	1	1	9
Muridae							
<i>Pseudomys nanus fusciventer</i>	1	1	0	0	1	0	3
<i>Zyzomys argurus</i>	0	0	1	1	0	0	2
Number of species	5	6	6	5	5	4	8
Number of specimens	33	38	32	42	32	25	202

Table 3-4 - Mammals Caught in Six Trapping Grids on the Proposed Development Area, October 2004

Species	Grid						Total
	1	2	3	4	5	6	
Dasyuridae							
<i>Planigale</i> sp.	0	0	0	0	1	0	1
Peramelidae							
<i>Isodon auratus barrowensis</i>	30	32	44	20	35	29	190
Phalangeridae							
<i>Trichosurus vulpecula</i>	9	5	4	6	10	5	39
Potoroidae							
<i>Bettongia lesueur</i>	1	0	9	2	5	1	18
Macropodidae							
<i>Lagorchestes conspicillatus</i>	1	5	3	0	9	8	26
Muridae							
<i>Pseudomys nanus fusciventer</i>	1	0	0	7	6	0	14
Number of species	5	3	4	4	6	4	6
Number of specimens	42	42	60	35	66	43	288

Pseudantechinus sp., *Planigale* sp., *Pseudomys nanus fusciventer* and *Zyzomys argurus* were caught too infrequently for any conclusions to be drawn as to their habitat associations. *Zyzomys argurus* (the common rock-rat) is commonly associated with rocky substrates, but the two captures of this species were in sandy areas, although at one site there was coastal limestone nearby. These four species are also infrequently caught in CALM's trapping program, with trap success of <10 per cent each year (1998–2004). In 2003, only eight *Pseudomys nanus fusciventer*, six *Planigale* sp., one *Pseudantechinus* sp. and one *Zyzomys argurus* were caught from four sites in the CALM program (Burbidge et al. 2003). In 2004, only five *P. nanus fusciventer* and two *Planigale* sp. were caught from two sites in the CALM programme (Table 3-7).

Golden bandicoots and northern brushtailed possums were well represented throughout the Gorgon Development area. The golden bandicoot was abundant at all sites and there was no significant difference in the number of individuals between the six sites in 2003 ($\chi^2 = 4.105$, df = 5). However, in 2004 there was a significant difference in the number of individual golden bandicoots between the six sites ($\chi^2 = 12.303$, df = 5), and the abundance of golden bandicoots across the sites was significantly different between the 2003 and the 2004 surveys ($\chi^2 = 11.638$, df = 5). The brush-tailed possum was evenly distributed across all sites in both 2003 ($\chi^2 = 8.53$, df = 5) and 2004 ($\chi^2 = 4.537$, df = 5), and their abundance did not vary significantly between 2003 and 2004 ($\chi^2 = 8.678$, df = 5).

In 2003, boodies were absent from grids five and six and only two or three specimens were caught at each of the remaining sites. In 2004, boodies were recorded in slightly higher numbers, across all sites except grid two. Captures of the spectacled hare-wallabies in 2003 were generally low; the highest catch was five individuals in grid two, but in 2004, catches were generally higher, with the highest catch of nine individuals in grid five.

Opportunistic observations of hare-wallabies during landbird transects over the 2003/2004 summer indicated that these animals favour areas of tall *Triodia* grassland.

3.1.3 Comparison with CALM Trapping Data

The abundances of mammals caught in the CALM monitoring program are compared with their abundances in the proposed Gorgon Development in Table 3-5, Table 3-6 and Table 3-7.

In 2003, the abundances of all species tended to be lower in the six Gorgon grids than in the five CALM grids, despite the sampling effort being 20 % higher in the Gorgon grids (Table 3-5). However, in 2004 the abundances of spectacled hare-wallabies and *P. nanus fusciventer* were higher in the Gorgon grids than in the CALM grids.

Table 3-5 - Total Mammal Abundances from Annual Trapping by CALM (Five grids, 1998-2004) and Sampling in the Proposed Development Area (Six grids, 2003-2004)

Species	CALM 1998	CALM 2000	CALM 2003	Gorgon 2003	CALM 2004	Gorgon 2004
<i>Pseudantechinus</i> sp.	4	2	1	2	0	0
<i>Planigale</i> sp.	6	9	6	3	2	1
<i>Isoodon auratus barrowensis</i>	163	147	166	136	191	190
<i>Trichosurus vulpecula</i>	41	48	60	37	73	39
<i>Bettongia lesueur</i>	30	26	22	10	21	18
<i>Lagorchestes conspicillatus</i>	13	8	11	9	18	26
<i>Pseudomys nanus fusciventer</i>	14	15	8	3	5	14
<i>Zyzomys argurus</i>	1	4	1	2	0	0

The numbers of each mammal species caught in five (of the six) Gorgon trapping grids that most closely resemble the five CALM trapping grids, are presented with the numbers caught in the analogous CALM trapping grids in Table 3-6 (2003) and Table 3-7 (2004).

In 2003 catches of golden bandicoots on Gorgon trapping grids one and two (G1, G2) were very similar to catches in the analogous CALM sites (CALM Landing, CALM M21) and catches in Gorgon grids three, five and six were about half those of CALM sites in similar habitats (Table 3-6). In 2004, catches of golden bandicoots were similar between each of the Gorgon sites and their analogous CALM sites (Table 3-7). However, the differences between the catches of golden bandicoots on the Gorgon sites and the analogous CALM sites were not statistically different in either 2003 ($\chi^2 = 5.792$, df = 4) or 2004 ($\chi^2 = 2.793$, df = 4).

Catches of brushtailed possums and boodies were inconsistent between most pairs of grids (Table 3-6 and Table 3-7). The most extreme differences were between the low numbers of brushtailed possums on Gorgon grid six (2 in 2003 and 5 in 2004) compared with the high numbers caught on CALM grid S62 (21 in 2003 and 25 in 2004). These two grids were established in low *Triodia* on limestone ridges, but S62 was close to a cliff line,

which probably provided shelter for possums, with no such shelter available near grid six. The differences in the abundance of brushtailed possums between the Gorgon grids and the analogous CALM grids were significant in both 2003 ($\chi^2 = 19.374$, df = 4) and 2004 ($\chi^2 = 16.475$, df = 4).

Table 3-6 - Comparison of Numbers of Individuals Caught on Grids in the Proposed Development Area with Numbers Caught on Analogous CALM grids in 2003

Species	Gorgon G1	CALM Landing	Gorgon G2	CALM M21	Gorgon G3	CALM JW	Gorgon G5	CALM BB	Gorgon G6	CALM S62
<i>Pseudantechinus</i> sp.	0	0	0	0	1	0	0	0	1	1
<i>Planigale</i> sp.	0	1	1	4	0	0	1	0	0	1
Golden bandicoot <i>Isoodon auratus barrowensis</i>	27	28	20	22	18	40	21	39	21	37
Brushtailed possum <i>Trichosurus vulpecula</i>	2	14	9	10	8	12	8	3	2	21
Boodie <i>Bettongia lesueur</i>	2	10	2	2	3	0	0	7	0	3
Spectacled hare-wallaby <i>Lagorchestes conspicillatus</i>	1	2	5	2	1	2	1	5	1	0
Djoori (common rock-rat) <i>Zyzomys argurus</i>	0	0	0	9	1	0	0	0	0	1
Barrow Island chestnut mouse <i>Pseudomys nanus fuscalinus</i>	0	1	0	1		0	0	6	0	0

Table 3-7 - Comparison of Numbers of Individuals Caught on Grids in the Proposed Development Area with Numbers Caught on Analogous CALM grids in 2004

Species	Gorgon G1	CALM Landing	Gorgon G2	CALM M21	Gorgon G3	CALM JW	Gorgon G5	CALM BB	Gorgon G6	CALM S62
<i>Planigale</i> sp.	0	0	0	0	0	1	1	1	0	0
Golden bandicoot <i>Isoodon auratus barrowensis</i>	30	44	32	30	44	41	35	39	29	37
Brushtailed possum <i>Trichosurus vulpecula</i>	9	16	5	8	4	20	10	4	5	25
Boodie <i>Bettongia lesueur</i>	1	6	0	3	9	4	5	6	1	2
Spectacled hare-wallaby <i>Lagorchestes conspicillatus</i>	1	1	5	2	3	4	9	11	8	0
Barrow Island chestnut mouse <i>Pseudomys nanus fuscalinus</i>	1	0	0	0	0	2	6	3	0	0

3.2 Boodie Warrens within the Study Area

There are nine boodie warrens in the proposed Development area, of which six were being actively used (Table 3-8), probably by boodies. Three additional locations where boodie warrens had been reported previously were visited, but no warrens could be found in the general area. Raw data from boodie transects, including coordinates of each transect, are presented in Attachment 3.

In addition, there were 11 locations where solution pipes in limestone provided shelter for animals and appeared to be in use (Table 3-9).

Table 3-8 - Locations, Sizes and Status of Boodie Warrens in the Proposed Development Area (between Terminal Tanks and Airport Road)

Easting	Northing	Number of entrances	Status
339279	7701400	6	Active
338813	7699703	5	Active
338809	7699637	10-20	Active
339314	7701103	11	Active
339364	7701247	3	Active
338611	7700187	20-30	Active
339499	7700165	4	Inactive
338691	7700645	9	Inactive
338072	7699979	0	Inactive

Table 3-9 - Locations, Sizes and Status of Solution Pipe Habitats Being Used for Shelter by Mammals or Reptiles in the Gorgon Wider Study Area

Easting	Northing	Number of entrances	Status
339490	7701210	3	Active
339571	7701211	4	Active
339792	7701034	2	Active
339717	7701037	10	Active
339717	7701037	10	Active
339731	7700866	4	Active
339539	7701064	TBD	unknown
339268	7701002	2	Active
378064	7700814	3	Active
338366	7700553	TBD	unknown
338768	7699202	TBD	unknown

No boodie warrens were found along the alternative pipeline route from Flacourt Bay or along the pipeline route from North White's Beach (Bamford 2002).

During surveys of boodie transects, 33 spectacled hare-wallabies were observed. If a transect width of ten metres along the 131 km of boodie transects is assumed, a search area of 131 ha is indicated, giving a population density of 0.25 hare-wallabies/ha.

3.3 Taxonomic Herpetofauna Survey

An annotated list of the reptile species collected from the proposed Development area and from other parts of Barrow Island during the 2003 taxonomic survey is presented in Attachment 6. The list also describes the voucher specimens collected, their curation and the taxonomic significance of the collections. The annotated list of the species collected during the 2004 survey is presented in Attachment 7. Attachment 8 contains a list of reptile specimens donated to WAM. Figure 3-1 displays the distribution of reptile species caught during the 2004 taxonomic study.

In total, the targeted herpetofauna surveys yielded 24 species of reptile. This compares to the 43 species known from Barrow Island (excluding sea-snakes and marine turtles) (Attachment 2). Additions to the Island's known species list are *Varanus brevicauda* trapped near Surf Point in the late 1990s (Bamford, M. 2004. Personal communication) and observed at Obe's Beach in January 2004 (Pendoley, K. & Vitenbergs, A. 2004. Personal communication) and *Ramphotyphlops grypus* collected from Latitude Point in September 2004.

Some of the species collected are poorly represented in the WAM collection and specimens were collected and curated for donation to WAM. The paucity of specimens is largely due to lack of collecting on Barrow Island, however, some species may be uncommon. For example, *Carla triacantha* was represented by only from three specimens in the WAM Barrow Island collection, from Flacourt Bay and Town Point. They are known from the inter-dunal vegetation near Town Point (Smith 1976).

Four *Ctenotus pantherinus acripes* individuals were caught or observed during the 2003 survey, and seven were caught over a wide area in the 2004 survey (Figure 3-1). This species is of conservation significance on Barrow Island because it is believed to be an endemic race, genetically and geographically separated from the nearest mainland populations in Northern Territory and Queensland. Butler (1970) caught the species on the west coast of Barrow Island. Additionally, seven *Ctenotus pantherinus acripes* were trapped over the two surveys in five of the six trapping grids (G1, G2, G3, G5, G6), suggesting a wide distribution on Barrow Island.

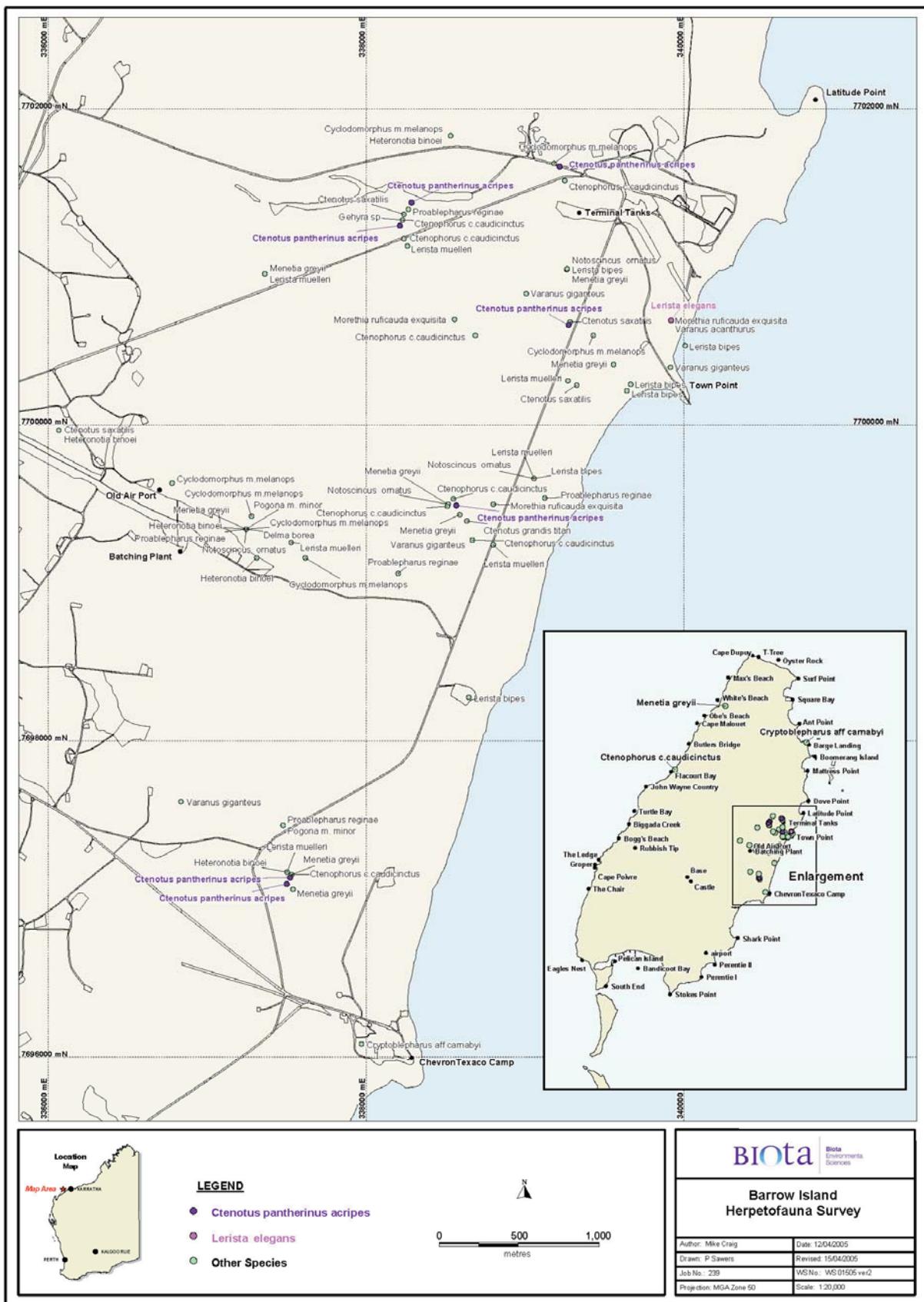


Figure 3-1 - Species Distribution of Herpetofauna Surveyed in August-September 2004

4 Discussion

4.1 Reptiles

Reptile activity on Barrow Island appeared to be low compared with some mainland sites at which the authors have worked (Teale, R. & Harold, G. 2004. Personal observations). Of the 43 reptile species known to occur on Barrow Island, 27 of these species have been identified in vicinity of the proposed Gorgon Development area through trapping, observation and opportunistic surveying.

None of the herpetofauna are geographically restricted to the proposed Development area, with all species occurring in other parts of Barrow Island. The reptile assemblage in the Gorgon trapping grids was similar to the CALM trapping grids in similar parts of the island. The existing information indicates that there are no habitats within the proposed Development area that could sustain higher than usual concentrations of any reptile species and no reptile species are restricted to the proposed Development area.

Some strong patterns in habitat association emerged for the more abundant species in the proposed Development area. Burrowing skinks such as *Lerista bipes* were closely associated with sandy soils and at Town Point and adjacent areas are probably restricted to the coastal dune system. Other skinks were associated with hard substrates. For example, *Menetia greyii*, appeared absent from sandy soils and *Notoscincus ornatus* was associated with *Melaleuca* over *Triodia* on limestone. All of these habitats are widespread within and outside the study area.

The most species-rich areas were on grid five, where the habitat was a complex of shrubs and *Triodia* on coastal primary and secondary dunes, grid one, where the vegetation was largely low *Triodia* in loam soil and grid two, which supported *Melaleuca* and *Triodia* on limestone. The most species-poor site and the site where fewest specimens were caught (grid six) was low *Triodia* in rocky soil, high in the landscape. In contrast, grids three and four, with only six species each, had high numbers of captures.

With the exception of *Ramphotyphlops longissimus*, none of the recorded herpetofauna is confined to Barrow Island. All other taxa are represented elsewhere in Western Australia or, in the case of *Ctenotus pantherinus acripes*, the Northern Territory and Queensland (Horner 1991; Wilson & Swan 2003). However, the taxonomic status of *Ctenotus pantherinus acripes* and many other reptiles on Barrow Island is uncertain. Genetic studies are required to elucidate patterns of relationship and genetic divergence of the isolated Island populations from the mainland populations. *Ctenotus pantherinus acripes* was recorded to the north and south of the proposed gas processing facility which, combined with Butler's records from the west coast, indicate that the species is widespread outside of the proposed Development area.

A number of reptile taxa are confined to Western Australian islands, including *Ramphotyphlops longissimus*, *Ramphotyphlops yampiensis*, *Aprasia rostrata*, *Ctenotus lancelini*, *Egernia pulchra longicauda*, *Lerista praefrontalis*. Island populations are recognised as important repositories for biodiversity, harbouring endemic taxa and genetic novelties, such as dwarfism. Molecular studies based on existing tissue collections have been crucial in resolving taxonomic anomalies within Western Australian taxa (e.g. the *Lerista muelleri* complex, *Delma borea* complex, *Egernia stokesii* complex). Reptile populations on Barrow Island are likely to show unique genetic characteristics as a result of their relatively long isolation.

No molecular (DNA) studies have been undertaken for Barrow Island populations due to the paucity of suitable material for genetic analysis. The current study is critical in improving the collection of tissue in WAM for future genetic studies. Prior to this work, tissue samples were available from only 23 of the 923 specimens and from just 10 of the 43 species lodged with WAM (source Western Australian Museum Fauna Database).

The implications of this lack of knowledge on the true biodiversity of the Island's herpetofauna are that all Island populations must be assumed to be unique genetic races and their conservation significance assessed accordingly.

4.2 Mammals

All of the resident mammal species known from Barrow Island, except the bats and the black-flanked rock-wallaby, occur in the vicinity of the proposed gas processing facility. All of these species are expected to occur in the vicinity of the proposed feed gas pipeline also, but no boodie warrens occur along the pipeline route. Unidentified bats have been observed along Airport Creek to the south of Town Point.

Mammal species richness and abundance on the Gorgon trapping grids varied between November-December 2003 and October 2004. This probably reflects the inter-annual variation in mammal distribution and catchability. For example, grid four showed the highest mammal abundances of the six grids in 2003 and the lowest in 2004. The high limestone with low *Triodia* grassland (grid 6) had the lowest mammal species richness and abundances in 2003, but not in 2004. The presence and abundance of mammals across the remaining sites were similar in 2003, but grid two (*Melaleuca* over *Triodia* on limestone) was species rich and had high captures of the spectacled hare-wallaby. This was not expected as the hare-wallaby was usually observed in dense *Triodia* near the coast and in valleys, but may indicate that the species forages in more open *Melaleuca* and *Triodia* habitats at night. In 2004, however, grid two had the lowest species richness, and the highest captures of hare-wallabies were on grids five and six.

Abundance of mammals tended to be lower in the Gorgon trapping sites than in the CALM sites within similar vegetated habitats even though the two surveys took place only a few weeks or days apart. Read et al. (1988) noted this sort of variability in the results of trapping based on grid layouts, probably because the grids are influenced by the surrounding habitats for animals with large home-ranges. Mammals may have been attracted to the baited traps from other habitats. For example, Gorgon grid 6 was in similar vegetation to CALM's grid S62, but the CALM site was close to a low cliff line that probably provided shelter for brushtailed possums and other mammals that were more abundant on S62 than on Gorgon grid six.

The greatest proportional difference between the CALM survey results and the current survey results was for boodies. This probably reflects the proximity of some of the CALM grids to active boodie warrens and the low abundances of boodies in the vicinity of the proposed gas processing facility.

The surveys suggest similar levels of abundance in the proposed Development area to other parts of Barrow Island. There are no unusual features within the proposed Development area that suggest unusual concentrations of any mammal species may be present. The only areas within the proposed Development area with a relatively depauperate mammal fauna were the highest points in the landscape where there was low, sparse *Triodia* and rocky ground.

The significance of the mammal populations with respect to the rest of Barrow Island can be assessed by comparison of the proportion of Barrow Island population that occurs in the proposed Development area. Burbidge et al. (2003) reviewed population estimates for mammals on Barrow Island and present a range of estimates based on different calculation methods or data sources. Other recent estimates, for example McKenzie et al. (1995) and those based on spotlighting, vary greatly.

The golden bandicoot population on Barrow Island probably ranges from 60 000–80 000 (McKenzie et al. 1995). Population estimates based on spotlighting data fall within the range 1679–3679 (Burbidge et al. 2003), but the authors stress these values should be treated with caution and suggest that the Island population is in the tens of thousands. This species is widespread and abundant throughout its range on Barrow Island.

Available estimates of the Island population of the brushtailed possum are based only on spotlighting data (Burbidge et al. 2003) and range from 650–1468. Thirty seven and thirty-nine were caught within the Gorgon Development area in 2003 and 2004 respectively. Island population estimates for the spectacled hare-wallaby are 8600 (Short et al. 1988.) and estimates based on spotlighting range from 828 to 1661 (Burbidge et al. 2003). Density estimates from the current study suggest a population of 75 individuals in the 300 ha Gorgon Development area. This equates to an Island population of approximately 5800 if the density in the Gorgon Development area is representative of densities across the whole Island.

Euros were not trapped or systematically recorded, but were regularly seen within the proposed Development area. Island population estimates for euros range from 1500 (Short et al. 1988) to 528–914 (Burbidge et al. 2003). Most euro sightings in the proposed Development area were along the coastline where cliffs and gorges provided shelter. It was estimated that ten euros were present across the Gorgon Development area. Euros are widespread across the Island in areas where there is sufficient shade.

The size of the boodie population on Barrow Island, based on spotlighting surveys, is 2884 (Burbidge et al. 2003). However, Burbidge et al. (2003) consider that such estimates should be treated with caution. The distribution of boobies is clumped because of their dependence upon warrens, and boodie numbers in the proposed Gorgon Development area can be estimated from a count of the number of warrens and warren entrances. There are six active warrens with a combined total of about 60 entrances (the number of entrances in some warrens is uncertain) within the mammal survey area (Figure 2-1). There are generally about half as many boobies present as entrances (Donaldson, F. 2004. Personal communication), suggesting approximately 30 boobies in the 658 ha sampling area at the Gorgon Development location. In trapping carried out in March 2004, 14 boobies were trapped on warrens in the Gorgon Development area. The single active warren in the gas facility footprint has 20–30 entrances, suggesting 10–15 boodie inhabitants. However, trapping at this warren (20 traps over 4 nights) caught only three boobies over two years (Donaldson, F. 2004. Personal communication).

Unlike the more mobile mammal fauna, boobies are dependent on their warrens and are expected to have limited ability to disperse into surrounding areas. Their use of surrounding areas for foraging is unknown however they appear to have home ranges of several kilometres (Donaldson, F. 2004 Personal communication). F. Donaldson is currently completing a PhD study to investigate habitat usage by boobies; however, the results of this study will not be available for several years.

Although three of the boodie warrens located were inactive, it is possible that usage of warrens by boobies varies seasonally and annually and that any existing warren may be used at some time in the future. For example, the warrens at 339499 E, 7700165 N and 338691 E, 7700645 N were active in spring 2003 but had been inactive for some weeks or months when examined in March 2004. Unlike other warrens, both were in loam soil rather than excavated beneath limestone.

5 Conclusion

The study area encompassing the proposed gas processing facility and associated infrastructure does not appear to have any intrinsic value to mammals or herpetofauna above that of adjacent and surrounding habitats.

Surveys for the proposed Gorgon Development have revealed a high diversity of mammal and reptile fauna within the proposed Development area. The initial survey in November-December 2003 indicated that all of the mammals on the Island, except the bats and the black-flanked rock-wallaby, occur near Town Point. Over half of Barrow Island's herpetofauna are known to occur in the proposed Development area. More are expected to be found in ongoing surveys.

Comparison of the capture rates within the proposed Development area with those in CALM's trapping grids distributed around the Island, suggest that mammal densities are lower in the study area than in other parts of the Island.

The habitats in which the mammals and reptiles were found are widespread across Barrow Island and well-represented in places unlikely to be affected by Development. The populations of most mammals are believed to be stable, although there is concern that the rock-wallaby population, while probably stable, may be suffering from genetic depression. Rock wallabies occur in the vicinity of the alternative shore crossing at Flacourt Bay, but not at any other proposed Development site. Reptile population sizes could not be assessed but their known distribution and habitat associations indicate that they are well represented in areas outside the Development area.

Ongoing sampling of herpetofauna populations in and around the proposed Development area will yield a valuable scientific resource for genetic determination of the true levels of endemism of Barrow Island's fauna.

6 References

- Aplin, K.P. and Smith, L.A. 2001. Checklist of the Frogs and Reptiles of Western Australia. *Records of the Western Australian Museum Supplement No. 63:* 51-74.
- Bamford, M.J. 2002. *The Terrestrial Vertebrate Fauna of Barrow Island in Relation to the Gorgon Gas Development.* Unpublished Report to Bowman Bishaw Gorham. Bamford Consulting Ecologists, Perth.
- Burbidge, A.A., Morris, K.D. and Boggs, W. 1998. *Mammal Monitoring Barrow Island Nature Reserve, November 1998.* Unpublished Report, Department of Conservation and Land Management, Woodvale.
- Burbidge, A.A., Drew, M., Pearson, D. and Kendrick, P. 2003. *Mammal Monitoring Barrow Island Nature Reserve, October 2003.* Unpublished Report, Department of Conservation and Land Management, Woodvale.
- Butler, W.H. 1970. A Summary of the Vertebrate Fauna of Barrow Island, WA. *Western Australian Naturalist.* **11:** 149-160.
- Environmental Protection Authority (EPA) 2004. *Terrestrial Fauna Surveys for Environmental Impact Assessment in Western Australia – Guidance Statement No. 56.* Environmental Protection Authority, Perth, Western Australia.
- Horner, P. 1991. *Skinks of the Northern Territory.* Northern Territory Government Printing Office.
- McKenzie, N.L., Morris, K.D. and Dickman, C.R. 1995. Golden Bandicoot *Isoodon auratus.* Pp. 172-173. *The Mammals of Australia.* Ed. R. Strahan. Reed Books, Chatswood.
- Read, V.T., Malafant, K.W.J. and Myers, K. 1988. A Comparison of Grid and Index-Line Trapping Methods for Small Mammal Surveys. *Australian Wildlife Resources.* **15:** 673-687.
- Short, J., Turner, B. and Cale, P. 1988. *The Distribution and Relative Abundance of Rare Macropods and Bandicoots on Barrow and Dorre Islands.* Report to National Kangaroo Monitoring Unit, Australian National Parks and Wildlife Service, Canberra. CSIRO, Perth.
- Smith, L.A. 1976. The Reptiles of Barrow Island. *Western Australian Naturalist,* **13:** 125-136.
- Wilson, S. and Swan, G. 2003. *A Complete Guide to Reptiles of Australia.* Reed New Holland, Sydney.

Attachment 1 - Mammal Species Recorded from Barrow Island, Based Upon Western Australian Museum Records and WAPET (1991), Excluding Marine Species

Species recorded within the proposed Development area in August 2002 or during the 2003/2004 field surveys are indicated (+). The conservation status of species under the WA Wildlife Conservation Act, Federal EPBC Act and CALM priority list is indicated. Introduced species considered to be absent from the main Island have been excluded.

Species	Observed	Conservation status
Dasyuridae		
<i>Planigale</i> sp.	+	
<i>Pseudantechinus</i> sp.	+	
Phalangeridae (possums)		
Northern brush-tailed possum <i>Trichosurus vulpecula arnhemensis</i>	+	
Peramelidae (bandicoots)		
Barrow Island golden bandicoot <i>Isodon auratus barrowensis</i>	+	Vulnerable
Potoroidae (potoroos and bettongs)		
Barrow Island boodie <i>Bettongia lesueur</i> (Barrow Island race)	+	Vulnerable
Macropodidae (kangaroos and wallabies)		
Barrow Island spectacled hare-wallaby <i>Lagorchestes conspicillatus conspicillatus</i>	+	Vulnerable
Barrow Island euro <i>Macropus robustus isabellinus</i>	+	Vulnerable
Black-flanked rock-wallaby <i>Petrogale lateralis</i>	+	Vulnerable
Pteropodidae (fruit bats or flying-foxes)		
Black flying-fox <i>Pteropus alecto</i>		(vagrant)
Emballonuridae (sheathtail bats)		
Common sheathtail bat <i>Taphozous georgianus</i>	+	
Molossidae (mastiff bats)		
White-striped bat <i>Tadarida (Nyctinomus) australis</i>		(vagrant)
Vespertilionidae (vesper bats)		
<i>Vespadelus (Eptesicus) finlaysoni</i>	+	
Muridae (rats and mice)		
Rakali or water-rat <i>Hydromys chrysogaster</i>	+	Priority 4
Barrow Island chestnut mouse or moolboo <i>Pseudomys nanus fusciventer</i>	+	Vulnerable
Djoorri or common rock-rat <i>Zyzomys argurus</i>	+	

Attachment 2 - Reptile Species Recorded from Barrow Island (Source: Butler 1970, Smith 1976; Western Australian Museum FaunaBase)(Maryan, B. 2004. Personal communication.)

Family Agamidae

*Ctenophorus c. caudicinctus**

Lophognathus gilberti

*Pogona minor**

Family Pygopodidae

*Delma borea**

*Delma nasuta**

Delma tincta

*Lialis burtonis**

*Pygopus nigriceps**

Family Gekkonidae

Diplodactylus stenodactylus

Gehyra Pilbara

*Gehyra variegata**

*Heteronotia binoei**

*Strophurus jeanae**

Family Scincidae

*Carlia triacantha**

*Cryptoblepharus carnabyi**

Ctenotus duricola

*Ctenotus grandis**

Ctenotus hanloni

*Ctenotus pantherinus acipes**

*Ctenotus saxatilis**

Ctenotus serventyi

*Cyclodomorphus melanops**

Eremiascincus richardsonii

Glaphyromorphus isolepis

*Lerista bipes**

*Lerista elegans**

*Lerista muelleri**

*Menetia greyii**

Morethia lineoocellata

*Morethia ruficauda**

*Notoscincus ornatus**

*Proablepharus reginae**

Family Typhlopidae

*Ramphotyphlops ammodytes**

Ramphotyphlops longissimus

Ramphotyphlops grypus

Family Varanidae

*Varanus acanthurus**

Varanus brevicauda

*Varanus giganteus**

Family Boidae

*Antaresia stimsoni**

Family Elapidae

Brachyurophis approximans

Demansia rufescens

Furina ornata

*Pseudechis australis**

* known to occur in the Gorgon Development area

Attachment 3 - Location of Boodie Warrens, Hare Wallaby Sightings and Solution Pipes on the East-West Transects on the Proposed Development Area.

Note: Most transects were divided into three sections, and each section was not necessarily completed on the same day

A: West of about 338000E			B: Between 338000E and road			C: East of road			Hare Wallaby sightings	Solution pipes		
Transect Coordinates		Survey Date	Survey Time			Boodie warrens						
Start	Finish	A	B	C		Coordinates	# entrances	Active/Inactive	Coordinates	#	Coordinates	#
1	338297E 7701850N	339124E 7701850	-	14/12	-	1040- 1100						
2	338066E 7701800	339316E 7701800N	-	14/12	-	1010- 1035						
3	337864E 7701750N	339467E 7701750N	16/12	14/12	-	0815- 0820	0930- 1005	-				
4	337500E 7701700N	339600E 7701700N	16/12	14/12	-	0755- 0810	0820- 0920	-				
5	337500E 7701650N	339736E 7701650N	16/12	14/12	-	0745- 0755	0720- 0810	-				
6	337500E 7701600N	339752E 7701599N	16/12	14/12	-	0730- 0740	0630- 0715	-				
7	337500E 7701550N	340100E 7701550N	16/12	01/10	04/10	0720- 0730	1015- 1120	0630- 0650				
8	337500E 7701500N	340151E 7701500N	16/12	02/03	04/03	0705- 0720	0630- 0730	0625- 0640				
9	337500E 7701450N	340233E 7701450N	16/12	02/10	04/10	0655- 0705	0620- 0725	0650- 0705	339279E 7701400N	6	active	
10	337500E 7701400N	340307E 7701400N	16/12	02/10	04/10	0645- 0655	0730- 0815	0645- 0700				
11	337500E	340453E	16/12	02/10	04/10	0630- 0725-	0725- 0710-					

Transect Coordinates		Survey Date			Survey Time			Boodie warrens			Hare Wallaby sightings		Solution pipes		
Start	Finish	A	B	C	A	B	C	Coordinates	# entrances	Active/ Inactive	Coordinates	#	Coordinates	#	
7701350N	7701350N				0640	0815	0730								
12	337500E 7701300N	339649E 7701300N	16/12	02/10	04/10	0620- 0630	0820- 0920				337499E 7701312N	1			
13	337500E 7701250N	340416E 7701250N	16/12	02/10	02/10	0610- 0615	0820- 0920	1055- 1120	339364E 7701247	3	unknown	340395E 7701249N	1		
14	337500E 7701200N	340392E 7701200N	16/12	02/10	02/10	0550- 0605	0925-	1030			339985E 7701115N	2	339490E 7701210N	3	
15	337500E 7701150N	340299E 7701150N	15/12	02/10	02/10	1035- 1045	0925-	1055					339571E 7701211N	4	
16	337471E 7701100N	340243E 7701100N	15/12	05/10	04/10	1035- 1050	1320- 1430	0705- 0725							
17	337500E 7701050N	340226E 7701050N	15/12	05/10	04/10	1035- 1045	0740- 0805				339792E 7701034N	2			
													339717E 7701037N	10	
													339717E 7701037N	10	
													339539E 7701064N	?	
18	337500E 7701000N	340227E 7701000N	15/12	05/10	04/10	1015- 1025	1325- 1425	0735- 0800					339268E 7701022N	2	
19	337495E 7700950N	340145E 7700950N	15/12	05/10	04/10	1020- 1030	1435- 1525	0815- 0840							
20	337500E	340145E	15/12	05/10	04/10	1015-	1435-	0805-							

Transect Coordinates		Survey Date			Survey Time			Boodie warrens			Hare Wallaby sightings		Solution pipes	
Start	Finish	A	B	C	A	B	C	Coordinates	# entrances	Active/ Inactive	Coordinates	#	Coordinates	#
7700900N	7700900N				1030	1525	0835							
21	337500E 7700850N	340136E 7700850N	15/12	05/10	04/10	1000-1011		0845-0915			337809E 7700852N	1		
22	337495E 7700800N	340118E 7700800N	15/12	05/10	04/10	1005-1015	1535-1620	0840-0915			339829E 7700801N	1	378064E 7700814N	3
23	337500E 7700750N	340050E 7700750N	15/12	05/10	04/10	1000-1010	1535-1620	0920-0940			339817E 7700743N	1		
24	337500E 7700700N	340057E 7700700N	15/12	05/10	04/10	0950-0955		0920-0940						
25	337495E 7700650N	340032E 7700650N	15/12	05/10	04/10	0955-1000	1635-1730	0950-1015	338691E 7700645N	9	unknown	338706E 7700652N	1	
26	337500E 7700600N	340056E 7700600N	15/12	05/10	04/10	0945-0955	1630-1725	0945-1010						
27	337500E 7700550N	340040E 7700550	15/12	05/10	04/10	0935-0945		1025-1045					338366E7700 553N	?
28	337496E 7700500N	340076E 7700500N	15/12	12/12	04/10	0940-0950	1000-1045	1020-1045			339442E 7700497N	1		
29	337500E 7700450N	340082E 7700450N	15/12	12/12	04/10	09350-0945	1050-1135	1050-1115						
30	337500E 7700400N	340137E 7700400N	15/12	12/12	04/10	0920-0930	1350-1435	1050-1120			339621E 7700401N	1	337732E 7700402N	1
31	337482E	339775E	15/12	12/12	05/10	0925-1435-	0925-				337741E	1		

Transect Coordinates		Survey Date			Survey Time			Boodie warrens			Hare Wallaby sightings		Solution pipes		
Start	Finish	A	B	C	A	B	C	Coordinates	# entrances	Active/ Inactive	Coordinates	#	Coordinates	#	
7700350N	7700350N				0935	1505	0940				7700332N				
32	337500E 7700300N	339715E 7700300N	15/12	12/12	05/10	0920- 0930	1505- 1550	0920- 0940							
33	337500E 7700250N	339677E 7700250N	15/12	12/12	05/12	0905- 0915	1530- 1605		338611E 7700187N	20-30	unknown				
34	337484E 7700200N	339628E 7700200N	15/12	12/12	05/10	0910- 0920	1615- 1640	0950- 1005			339402E 7700203N	1			
35	337500E 7700150N	339625E 7700150N	15/12	12/12	05/10	0905- 0915	1645- 1520	0945- 1000			339145E 7700094N	1			
36	337490E 7700100N	339576E 7700100N	15/12	13/12	05/10	0850- 0905	0630- 0710				339348E 7700110N	1			
37	337500E 7700050N	339541E 7700050N	15/12	13/12	05/10	0850- 0900	0630- 0715	1020- 1040			338978E 7700055N	1			
38	337500E 7700000N	339535E 7700000N	15/12	13/12	05/10	0845- 0855	0630- 0715		338072E 7699979N		unknown	338969E 7700000N	1		
39	337500E 7699950N	339506E 7699950N	15/12	13/12	05/10	0825- 0840	0720- 0750				339323E 7700046N	1	339331E 7700044N	1	
											338648E 7699946N	1			
											339329E 7699964N	1			

	Transect Coordinates		Survey Date			Survey Time			Boodie warrens			Hare Wallaby sightings		Solution pipes		
Start	Finish	A	B	C	A	B	C	Coordinates	# entrances	Active/ Inactive	Coordinates	#	Coordinates	#	Coordinates	#
40	337500E 769900N	339485E 769900N	15/12	13/12	05/10	0815-0825	0720-0755	1045-1110								
41	337500E 7699850N	339483E 7699850N	15/12	13/12	05/10	0750-0800	0720-0755	1110-1125								
42	337500E 7699800N	339479E 7699800N	15/12	13/12	05/10	07350	0800-0830	1110-1125								
43	337500E 7699750N	339500E 7699750N	15/12	13/12	14/12	0720-0730	0800-0835	0625-0640							339373E 7699744N	1
44	337500E 7699700N	339500E 7699700N	15/12	13/12	14/12	0710-0720	0800-0835	0625-0640	338813E 7699703N	5	not active	338614E 7699702N	1			
45	337500E 7699650N	339447E 7699650N	15/12	13/12	14/12	0655-0705	0840-0900	0645-0700	338809E 7699637N	10-20	unknown	338075E 7699448N	1			
46	337500E 7699600N	339425E 7699600N	15/12	13/12	14/12	0640-0650	0840-0905	0645-0700								
47	337500E 7699550N	339410E 7699550N	15/12	13/12	14/12	0625-0640	0840-0905	0705-0720								
48	337500E 7699500N	339393E 7699500N	14/12	13/12	14/12	1655-1710	0915-0945	0705-0720								
49	337494E 7699450N	339366E 7699450N	14/12	13/12	14/12	1700-1715	0950-1015	0730-0745								
50	337500E 7699400N	339282E 7699400N	14/12	13/12	14/12	1655-1710	1020-1045	0730-0745							338904E 7699397N	1
51	337500E 7699350N	339283E 7699350N	14/12	13/12	14/12	1640-1655	1050-1115	0750-0805							338507E 7699411N	1

	Transect Coordinates		Survey Date			Survey Time			Boodie warrens			Hare Wallaby sightings		Solution pipes		
Start	Finish	A	B	C	A	B	C	Coordinates	# entrances	Active/ Inactive	Coordinates	#	Coordinates	#	Coordinates	#
52	337498E 7699300N	339246E 7699300N	14/12	13/12	14/12	1640- 1655	1415- 1435	0750- 0805								
53	337500E 7699250N	339258E 7699250N	14/12	13/12	14/12	1635- 1650	1435- 1455	0805- 0820								
54	337500E 7699200N	339241E 7699200N	14/12	13/13	14/12	1620- 1635	1500- 1520	0805- 0820							338768E 7699202N	?
55	337685E 7699150N	339238E 7699150N	14/12	13/12	14/12	1620- 1630	1525- 1555	0825- 0840							338544E 7699152N	1
56	337925E 7699100N	339228E 7699100N	14/12	13/12	14/12	1620- 1625	1555- 1635	0825- 0840								
57	338000E 7699050N	339218E 7699050N	-	13/12	14/12	-	1640-	0845-								
58	338557E 7699000N	339189E 7699000N	-	16/12	14/12	-	1700	0900								
59	338575E 7698950N	339201E 7698950N	-	16/12	16/12	-	0800-	0845-								
60	338604E 7698900N	339168E 7698900N	-	16/12	16/12	-	0810-	0815	0800- 0810							
61	338625E 7698850N	339160E 7698850N	-	16/12	16/12	-	0820-	0825	0810- 0820							
62	338698E 7698800N	339139E 7698800N	-	-	16/12	-	-	0828-	0840							
63	338680E 7698750N	339134E 7698750N	-	-	16/12	-	-	0845-	0900	0845- 0900	338745E 7698749N	1				
64	338671E 7698700N	339117E 7698700N	-	-	16/12	-	-	0843-	0855							

Transect Coordinates		Survey Date			Survey Time			Boodie warrens			Hare Wallaby sightings		Solution pipes	
Start	Finish	A	B	C	A	B	C	Coordinates	# entrances	Active/ Inactive	Coordinates	#	Coordinates	#
65	338698E 7698650N	339045E 7698650N	-	-	16/12	-	-	0850-0857			338796E 7698632N	1		
66	338725E 7698600N	338998E 7698609N	-	-	16/12	-	-	0900-0905			338774E 7698607N	1		

Attachment 4 - Details of Reptile Captures on the Six Grids in the Gorgon Development Area, November-December 2003 and October 2004

Number is the individual mark (toe-clipping) given to some species. Cryo number and Museum number are for specimens collected and preserved for taxonomic studies.

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
01/12/03	AM 1	E13		<i>Ctenotus grandis</i>	7		115	272	32.1			BIMB043	
01/12/03	AM 1	P18		<i>Ctenotus saxatilis</i>	3		100	239	20.2	Y	F	BIMB033	
01/12/03	AM 1	P25		<i>Lerista bipes</i>			50	93		N		R154171	
01/12/03	AM 2	P25		<i>Ctenotus grandis</i>	6		117	265	33.3	Y		BIMB042	
01/12/03	AM 2	P18		<i>Heteronotia binotata</i>	4		37	85		Y			
01/12/03	AM 2	P11		<i>Lerista bipes</i>			51	90		N		R154172	
01/12/03	AM 2	P12		<i>Lerista bipes</i>			53	104		N			
01/12/03	AM 2	P18		<i>Lerista bipes</i>			46	86		N			
01/12/03	AM 2	P23		<i>Lerista bipes</i>			49	95		N			
01/12/03	AM 2	P25		<i>Menetia greyii</i>			23	61		N	M		
01/12/03	AM 2	P13		<i>Notoscincus ornatus</i>	3		39	84		N			
01/12/03	PM 6	P16		<i>Lerista muelleri</i>			35	76		N			
02/12/03	AM 6	E09		<i>Ctenotus saxatilis</i>	1		98	226	15.4	Y	F	BIMB045	
02/12/03	AM 6	P08		<i>Delma nasuta</i>			80	294	5.0	N	F		
25/11/03	PM 4	P10		<i>Lerista bipes</i>			50	55		Y			
25/11/03	PM 4	P24		<i>Lerista bipes</i>			30	49		N			
25/11/03	PM 4	P25		<i>Lerista muelleri</i>			32	52		B		R154167	
25/11/03	PM 5	P01		<i>Lerista muelleri</i>			33	80		N			
25/11/03	PM 5	P21		<i>Pogona minor</i>	1		39	103				BIMB001	
25/11/03	PM 5	P23		<i>Pogona minor</i>			105	288	33.0				

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
26/11/03	AM 4	P13	<i>Delma borea</i>		79		325			N			R154148
26/11/03	AM 4	P02	<i>Lerista bipes</i>		51		95	0.7	N				
26/11/03	AM 4	P02	<i>Lerista bipes</i>		54		90	0.9	Y				
26/11/03	PM 4	P04	<i>Lerista bipes</i>		56		92	0.9	Y				
26/11/03	PM 4	P10	<i>Lerista bipes</i>		42		76	0.4	N				
26/11/03	AM 4	P14	<i>Lerista bipes</i>		54		85	0.8	Y				
26/11/03	PM 4	P16	<i>Lerista bipes</i>		52		98		N			BIMB007	
26/11/03	AM 4	P17	<i>Lerista bipes</i>		54		100	0.9	N				
26/11/03	AM 4	P21	<i>Lerista bipes</i>		50		77	0.6	Y				
26/11/03	AM 4	P21	<i>Lerista bipes</i>		57		101	0.6	N				
26/11/03	PM 4	P24	<i>Lerista bipes</i>		54		87	0.8	N				
26/11/03	AM 4	P25	<i>Lerista bipes</i>		53		82	0.6	Y				
26/11/03	AM 4	P02	<i>Lerista mulleri</i>		22		45	0.1	N				
26/11/03	PM 4	P02	<i>Lerista mulleri</i>		35		70	0.3	N			BIMB009	
26/11/03	PM 4	P14	<i>Lerista mulleri</i>		35		86	0.5	B			BIMB008	
26/11/03	PM 4	P14	<i>Lerista mulleri</i>		20		40		N				
26/11/03	PM 4	P23	<i>Lerista mulleri</i>		33		66	0.4	Y			BIMB006	
26/11/03	AM 5	P25	<i>Heteronotia binotata</i>	1	40		98	1.7	N			BIMB002	
26/11/03	AM 5	P01	<i>Lerista bipes</i>		51		96	0.7	N				
26/11/03	AM 5	P01	<i>Lerista bipes</i>		55		96	0.8	N				
26/11/03	AM 5	P01	<i>Lerista bipes</i>		51		96	0.7	N				
26/11/03	AM 5	P04	<i>Lerista bipes</i>		52		82	0.7	Y				
26/11/03	AM 5	P04	<i>Lerista bipes</i>		51		93	0.6	N				

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
26/11/03	AM	5	P05	<i>Lerista bipes</i>			49	90	0.7	N			
26/11/03	AM	5	P06	<i>Lerista bipes</i>			52	95	0.7	N			
26/11/03	AM	5	P06	<i>Lerista bipes</i>			52	85	0.7	Y			
26/11/03	AM	5	P07	<i>Lerista bipes</i>			55	89	1.0	Y			
26/11/03	AM	5	P13	<i>Lerista bipes</i>			55	98	0.8	N			
26/11/03	AM	5	P13	<i>Lerista bipes</i>			49	95	0.6	N			
26/11/03	AM	5	P14	<i>Lerista bipes</i>			53	101	0.7	N			
26/11/03	AM	5	P14	<i>Lerista bipes</i>			53	95	0.7	N			
26/11/03	AM	5	P15	<i>Lerista bipes</i>			55	92	0.8	N			
26/11/03	AM	5	P15	<i>Lerista bipes</i>			57	96	0.9	Y			
26/11/03	AM	5	P18	<i>Lerista bipes</i>			54	99	0.7	N			
26/11/03	PM	5	P04	<i>Lerista muelleri</i>			35	65				BIMB003	
26/11/03	PM	5	P08	<i>Lerista muelleri</i>			32	67	0.4	N			BIMB004
26/11/03	AM	5	P03	<i>Liasis bartonii</i>			165	320	12.5	N			
26/11/03	PM	5	P20	<i>Liasis bartonii</i>			170	380	9.0	N			
26/11/03	AM	5	P09	<i>Menetia greyii</i>			?	?					
26/11/03	PM	5	P18	<i>Pseudophryne reginae</i>	1		32	96				BIMB005	
27/11/03	PM	1	P13	<i>Delma nasuta</i>			96	335		N			BIMB030
27/11/03	PM	1	P11	<i>Lerista muelleri</i>			37	78		N			
27/11/03	PM	1	P21	<i>Lerista muelleri</i>			34	77		Y			
27/11/03	PM	1	P24	<i>Lerista muelleri</i>			36	88		N			
27/11/03	PM	1	P24	<i>Lerista muelleri</i>			37	47		B			R154162
27/11/03	PM	1	P01	<i>Menetia greyii</i>	2		25	59		N			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
27/11/03	PM 1	P16		<i>Menetia greyii</i>	1		24	43		Y			
27/11/03	PM 1	P21		<i>Menetia greyii</i>	12		27	55		N			
27/11/03	PM 2	P02		<i>Carlia triacantha</i>			?	?					
27/11/03	PM 2	P03		<i>Lerista muelleri</i>			36	83		N			
27/11/03	PM 2	P09		<i>Lerista muelleri</i>			36	64		Y		BIMB029	
27/11/03	PM 2	P17		<i>Lerista muelleri</i>			37	85		N			
27/11/03	PM 2	P03		<i>Ramphotyphlops ammodutes</i>			?	?					
27/11/03	PM 2	P12		<i>Varamus acanthurus</i>	1		127	322	27.0		F	BIMB013	
27/11/03	AM 3	P01		<i>Lerista bipes</i>			55	105	1.0	N			
27/11/03	AM 3	P02		<i>Lerista bipes</i>			53	91	0.7	Y			
27/11/03	AM 3	P04		<i>Lerista bipes</i>			52	97	0.8	N			
27/11/03	AM 3	P05		<i>Lerista bipes</i>			52	91	0.8	Y			
27/11/03	AM 3	P05		<i>Lerista bipes</i>			56	98	1.0	Y			
27/11/03	AM 3	P05		<i>Lerista bipes</i>			48	90	0.5	N			
27/11/03	AM 3	P08		<i>Lerista bipes</i>			52	95	0.8	N			
27/11/03	AM 3	P08		<i>Lerista bipes</i>			56	95	0.7	N			
27/11/03	AM 3	P08		<i>Lerista bipes</i>			55	101	0.8	N			
27/11/03	AM 3	P11		<i>Lerista bipes</i>			52	82	0.6	Y			
27/11/03	AM 3	P11		<i>Lerista bipes</i>			54	81	0.7	Y			
27/11/03	AM 3	P12		<i>Lerista bipes</i>			50	84	0.5	N			
27/11/03	AM 3	P13		<i>Lerista bipes</i>			55	100	0.9	N			
27/11/03	AM 3	P14		<i>Lerista bipes</i>			47	85	0.5	N			
27/11/03	AM 3	P15		<i>Lerista bipes</i>			53	85	0.8	Y			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
27/11/03	AM	3	P15	<i>Lerista bipes</i>			45	80	0.4	N			
27/11/03	AM	3	P20	<i>Lerista bipes</i>			55	91	0.9	Y			
27/11/03	AM	3	P21	<i>Lerista bipes</i>			55	100	0.7	N			
27/11/03	AM	3	P23	<i>Lerista bipes</i>			52	86	0.7	N			
27/11/03	AM	3	P24	<i>Lerista bipes</i>			57	107	0.9	N			
27/11/03	AM	3	P24	<i>Lerista bipes</i>			47	80	0.6	N			
27/11/03	PM	3	P12	<i>Lerista muelleri</i>			35	88		N			R154166
27/11/03	PM	3	P17	<i>Lerista muelleri</i>			37	85		N			
27/11/03	AM	4	E03	<i>Ctenotus grandis</i>	1		80	228	11.0	N			
27/11/03	PM	4	P12	<i>Cyclodomorphus melanops</i>			143	239	22.0	Y			R154152
27/11/03	AM	4	P02	<i>Lerista bipes</i>			53	77	0.8	Y			
27/11/03	AM	4	P03	<i>Lerista bipes</i>			42	51	0.7	B			BIMB011
27/11/03	AM	4	P06	<i>Lerista bipes</i>			50	96	0.7	N			
27/11/03	AM	4	P12	<i>Lerista bipes</i>			56	92	0.9	Y			
27/11/03	AM	4	P13	<i>Lerista bipes</i>			56	100	0.8	N			
27/11/03	AM	4	P15	<i>Lerista bipes</i>			53	96	0.8	N			
27/11/03	AM	4	P20	<i>Lerista bipes</i>			52	98	0.8	N			
27/11/03	AM	4	P21	<i>Lerista bipes</i>			50	88	0.6	N			BIMB010
27/11/03	AM	4	P24	<i>Lerista bipes</i>			57	100	1.0	N			
27/11/03	AM	4	P25	<i>Lerista bipes</i>			57	91	0.8	Y			
27/11/03	AM	4	P03	<i>Lerista muelleri</i>			35	84	0.6	N			
27/11/03	AM	5	P02	<i>Lerista bipes</i>			55	86	0.6	Y			
27/11/03	AM	5	P03	<i>Lerista bipes</i>			55	100	0.8	N			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
27/11/03	AM	5	P06	<i>Lerista bipes</i>			55	95		B			
27/11/03	AM	5	P06	<i>Lerista bipes</i>			50	87	0.7	N			
27/11/03	AM	5	P07	<i>Lerista bipes</i>			52	82	0.7	Y			
27/11/03	AM	5	P07	<i>Lerista bipes</i>			53	88	0.7	Y			
27/11/03	AM	5	P08	<i>Lerista bipes</i>			57	75	0.6	Y			
27/11/03	AM	5	P08	<i>Lerista bipes</i>			53	80	0.5	Y			
27/11/03	AM	5	P08	<i>Lerista bipes</i>			50	86	0.8	N			
27/11/03	AM	5	P12	<i>Lerista bipes</i>			55	90	0.8	Y			
27/11/03	AM	5	P13	<i>Lerista bipes</i>			55	95	0.7	Y			
27/11/03	AM	5	P14	<i>Lerista bipes</i>			58	102	1.0	Y			
27/11/03	AM	5	P14	<i>Lerista bipes</i>			51	95	0.7	N			
27/11/03	AM	5	P16	<i>Lerista bipes</i>			53	96	0.8	N			
27/11/03	PM	5	P04	<i>Lerista mülleri</i>			34	68		Y		R154164	
27/11/03	PM	5	P05	<i>Lerista mülleri</i>			35	84		N		R154165	
27/11/03	AM	5	P15	<i>Pogona minor</i>	2		80	240	15.0			BIMB012	
28/11/03	PM	1	P03	<i>Ctenotus grandis</i>			110	221	26.7	Y		BIMB031	
28/11/03	AM	1	P15	<i>Ctenotus grandis</i>			109	296	28.9	N	F	BIMB017	
28/11/03	AM	1	P18	<i>Ctenotus grandis</i>			114	235	22.2	Y		BIMB016	
28/11/03	PM	1	P07	<i>Cyclodomorphus melanops</i>			113	223	16.0	N		R154160	
28/11/03	PM	1	P15	<i>Delma nasuta</i>			110	288	9.5	Y		R154170	
28/11/03	AM	1	P11	<i>Heteronotia binoei</i>			40	87		N		R154163	
28/11/03	PM	1	P10	<i>Lerista mülleri</i>			32	69		N	F		R154169
28/11/03	PM	1	P10	<i>Menetia greyii</i>			23	53		N			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
28/11/03	PM 1	P21		<i>Menetia greyii</i>			23	27		B			R154161
28/11/03	AM 1	P22		<i>Menetia greyii</i>	3		26	54		N			
28/11/03	AM 2	P02		<i>Ctenotus grandis</i>	3		116	252	27.1	Y	F	BIMB018	
28/11/03	AM 2	P25		<i>Ctenotus grandis</i>	4		91	212	12.7	Y		BIMB019	
28/11/03	AM 2	P03		<i>Ctenotus saxatilis</i>			88	238		Y	F		R154150
28/11/03	AM 2	P12		<i>Heteronotia binoei</i>	2		39	99		Y			
28/11/03	AM 2	P20		<i>Lerista bipes</i>			44	84		N			
28/11/03	AM 2	P22		<i>Lerista bipes</i>			59	97		Y			
28/11/03	PM 2	P25		<i>Lerista mulleri</i>			32	76		N		BIMB028	
28/11/03	AM 2	P13		<i>Menetia greyii</i>			23	47		N			R154153
28/11/03	PM 2	P13		<i>Menetia greyii</i>	8		21	43		Y			
28/11/03	AM 2	P20		<i>Menetia greyii</i>	3.4		28	62		N			
28/11/03	PM 2	P20		<i>Menetia greyii</i>	9		24	39		Y			
28/11/03	AM 2	P22		<i>Notoscincus ornatus</i>			35	83		Y	F		R154147
28/11/03	AM 2	P22		<i>Notoscincus ornatus</i>	1		35	94		N			
28/11/03	PM 2	P24		<i>Notoscincus ornatus</i>			33	64		Y			R154159
28/11/03	PM 2	P24		<i>Notoscincus ornatus</i>			?	?					
28/11/03	PM 3	P02		<i>Ctenotus grandis</i>	2		126	307	32.3	N	F	BIMB035	
28/11/03	PM 3	P16		<i>Ctenotus grandis</i>			113	311	39.9	N		BIMB034	
28/11/03	AM 3	P23		<i>Ctenotus grandis</i>	1		112	262		N	F	BIMB015	
28/11/03	AM 3	P06		<i>Lerista bipes</i>	R		53	93		N			
28/11/03	AM 3	P25		<i>Lerista bipes</i>	R		55	96		Y			
28/11/03	AM 3	P03		<i>Lerista bipes</i>			58	94		Y			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
28/11/03	AM	3	P03	<i>Lerista bipes</i>			52	100		N			
28/11/03	AM	3	P03	<i>Lerista bipes</i>			55	88		Y			
28/11/03	AM	3	P04	<i>Lerista bipes</i>			52	60		B		BIMB014	
28/11/03	AM	3	P04	<i>Lerista bipes</i>			55	101		N			
28/11/03	AM	3	P05	<i>Lerista bipes</i>			42	76		N			
28/11/03	AM	3	P09	<i>Lerista bipes</i>			53	100		N			
28/11/03	AM	3	P09	<i>Lerista bipes</i>			36	60		N			
28/11/03	AM	3	P10	<i>Lerista bipes</i>			56	95		Y			
28/11/03	AM	3	P10	<i>Lerista bipes</i>			52	89		Y			
28/11/03	AM	3	P11	<i>Lerista bipes</i>			55	90		N			
28/11/03	AM	3	P12	<i>Lerista bipes</i>			54	99		N			
28/11/03	AM	3	P13	<i>Lerista bipes</i>			54	99		N			
28/11/03	AM	3	P13	<i>Lerista bipes</i>			49	97		N			
28/11/03	AM	3	P14	<i>Lerista bipes</i>			47	86		Y			
28/11/03	AM	3	P16	<i>Lerista bipes</i>			54	105		N			
28/11/03	AM	3	P17	<i>Lerista bipes</i>			57	102		N			
28/11/03	AM	3	P17	<i>Lerista bipes</i>			50	92		N			
28/11/03	AM	3	P19	<i>Lerista bipes</i>			57	104		N			
28/11/03	AM	3	P19	<i>Lerista bipes</i>			54	101		N			
28/11/03	AM	3	P19	<i>Lerista bipes</i>			47	79		N			
28/11/03	AM	3	P20	<i>Lerista bipes</i>			54	103		N			
28/11/03	AM	3	P20	<i>Lerista bipes</i>			?	?					
28/11/03	AM	3	P21	<i>Lerista bipes</i>			54	101		N			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
28/11/03	AM	3	P21	<i>Lerista bipes</i>			55	94		Y			
28/11/03	AM	3	P21	<i>Lerista bipes</i>			53	97		N			
28/11/03	AM	3	P25	<i>Lerista bipes</i>			56	94		Y			
28/11/03	PM	3	P06	<i>Lerista muelleri</i>			38	69		N			
28/11/03	AM	4	E19	<i>Ctenotus saxatilis</i>	1		110	250	31.3	Y		BIMB022	
28/11/03	AM	4	P09	<i>Lerista bipes</i>			55	103					
28/11/03	AM	4	P09	<i>Lerista bipes</i>			42	76					
28/11/03	AM	4	P10	<i>Lerista bipes</i>			55	92					
28/11/03	AM	4	P17	<i>Lerista bipes</i>			50	92		Y			
28/11/03	AM	4	P17	<i>Lerista bipes</i>			54	97		Y			
28/11/03	AM	4	P19	<i>Lerista bipes</i>			54	89		Y			
28/11/03	AM	4	P20	<i>Lerista bipes</i>			55	84		Y			
28/11/03	AM	4	P21	<i>Lerista bipes</i>			57	64		B		BIMB021	
28/11/03	AM	4	P21	<i>Lerista bipes</i>			56	99		N			
28/11/03	AM	4	P23	<i>Lerista bipes</i>			55	64		B		BIMB020	
28/11/03	PM	4	P03	<i>Lerista muelleri</i>			38	82		N			
28/11/03	AM	4	P08	<i>Lerista muelleri</i>			35	85					
28/11/03	AM	5	P06	<i>Ctenotus pantherinus</i>			45	75		N		R154151	
28/11/03	AM	5	P02	<i>Ctenotus saxatilis</i>			120	340		N	F	R154149	
28/11/03	AM	5	P15	<i>Heteronotia binoei</i>	2		38	92		N			
28/11/03	AM	5	P01	<i>Lerista bipes</i>			53	88		Y			
28/11/03	AM	5	P03	<i>Lerista bipes</i>			52	58		B			
28/11/03	AM	5	P05	<i>Lerista bipes</i>			42	75		N			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
28/11/03	AM	5	P07	<i>Lerista bipes</i>			51	61		B		BIMB024	
28/11/03	AM	5	P07	<i>Lerista bipes</i>			51	95					
28/11/03	AM	5	P08	<i>Lerista bipes</i>			58	109		N			
28/11/03	AM	5	P10	<i>Lerista bipes</i>			53	100		N			
28/11/03	AM	5	P10	<i>Lerista bipes</i>			51	96		N			
28/11/03	AM	5	P14	<i>Lerista bipes</i>			53	97		N			
28/11/03	AM	5	P15	<i>Lerista bipes</i>			48	53		B		BIMB023	
28/11/03	PM	5	P17	<i>Lerista bipes</i>			56	94		Y			
28/11/03	AM	5	P18	<i>Lerista bipes</i>			52	99		N			
28/11/03	AM	5	P19	<i>Lerista bipes</i>			55	97		N			
28/11/03	AM	5	P20	<i>Lerista bipes</i>			51	99		N			
28/11/03	AM	5	P20	<i>Lerista bipes</i>			58	107		N			
28/11/03	AM	5	P25	<i>Lerista bipes</i>			53	96		N			
28/11/03	AM	5	P25	<i>Lerista bipes</i>			53	88		N			
28/11/03	PM	5	P14	<i>Lerista muelleri</i>			19	43		N			
28/11/03	PM	5	P20	<i>Lerista muelleri</i>			36	92		N			
28/11/03	PM	6	P14	<i>Lerista muelleri</i>			35	81		N			
28/11/03	PM	6	P17	<i>Lerista muelleri</i>			36	45		Y			
29/11/03	PM	1	P22	<i>Ctenotus grandis</i>	3		81	216	10.4	N	F	BIMB040	
29/11/03	PM	1	P04	<i>Ctenotus pantherinus</i>			98	234	21.9	N	F		
29/11/03	AM	1	P24	<i>Lerista bipes</i>			52	96		N			
29/11/03	AM	1	P20	<i>Menetia greyii</i>	10		23	39		Y			
29/11/03	AM	1	P05	<i>Notoscincus ornatus</i>			35	88		N		R154155	

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
29/11/03	AM 2	P25	<i>Ctenotus grandis</i>	5			95	215	24.0	Y		BIMB027	
29/11/03	AM 2	P08	<i>Ctenotus saxatilis</i>	2			92	244	26.0	Y	F	BIMB025	
29/11/03	AM 2	P07	<i>Lerista bipes</i>				49	93					
29/11/03	AM 2	P14	<i>Lerista bipes</i>				50	82		Y			
29/11/03	AM 2	P16	<i>Lerista bipes</i>				?	?					
29/11/03	AM 2	P20	<i>Lerista bipes</i>				50	99		N			
29/11/03	AM 2	P24	<i>Lerista bipes</i>				55	96		N			
29/11/03	AM 2	P14	<i>Lerista muelleri</i>	R			?	?					
29/11/03	AM 3	P12	<i>Ctenotus grandis</i>	3			127	321	32.8	N	F	BIMB038	
29/11/03	AM 3	P20	<i>Ctenotus grandis</i>	4			121	234	32.9	Y	F	BIMB039	
29/11/03	AM 3	P19	<i>Gyldamorphus melanops</i>				104	186	22.0	Y		R154154	
29/11/03	AM 3	P01	<i>Lerista bipes</i>	R			57	109		N			
29/11/03	AM 3	P02	<i>Lerista bipes</i>				52	86		N			
29/11/03	AM 3	P04	<i>Lerista bipes</i>				54	72		Y		BIMB037	
29/11/03	AM 3	P04	<i>Lerista bipes</i>				52	88		N			
29/11/03	AM 3	P04	<i>Lerista bipes</i>				39	70		N			
29/11/03	AM 3	P06	<i>Lerista bipes</i>				35	59		N			
29/11/03	AM 3	P08	<i>Lerista bipes</i>				60	109		N			
29/11/03	AM 3	P10	<i>Lerista bipes</i>				58	94		N			
29/11/03	AM 3	P10	<i>Lerista bipes</i>				46	72		Y			
29/11/03	AM 3	P15	<i>Lerista bipes</i>				53	100		N			
29/11/03	AM 3	P15	<i>Lerista bipes</i>				45	87		N			
29/11/03	AM 3	P16	<i>Lerista bipes</i>				51	97		N			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
29/11/03	AM	3	P16	<i>Lerista bipes</i>			58	110		N			
29/11/03	AM	3	P17	<i>Lerista bipes</i>			54	85		Y			
29/11/03	PM	3	P01	<i>Lerista mulleri</i>			32	79		N			
29/11/03	PM	3	P08	<i>Lerista mulleri</i>			34	64		Y			
29/11/03	PM	3	P20	<i>Lerista mulleri</i>			40	72		Y			
29/11/03	AM	4	P12	<i>Lerista bipes</i>			57	104		N			
29/11/03	AM	4	P14	<i>Lerista bipes</i>			54	99		N			
29/11/03	AM	4	P16	<i>Lerista bipes</i>			55	102		N			
29/11/03	AM	4	P24	<i>Lerista bipes</i>			53	97		N			
29/11/03	AM	5	P03	<i>Lerista bipes</i>			52	98		N			BIMB036
29/11/03	AM	5	P13	<i>Lerista bipes</i>			53	96		N			
29/11/03	AM	5	P14	<i>Lerista bipes</i>			57	107		N			
29/11/03	AM	5	P20	<i>Lerista bipes</i>			44	80		N			
29/11/03	AM	5	P03	<i>Menetia greyii</i>			25	52		M			R154158
29/11/03	AM	6	P15	<i>Heteronotia binoei</i>	2		43	108		N			BIMB044
29/11/03	AM	6	P23	<i>Heteronotia binoei</i>	1		42	76		Y			M
29/11/03	AM	6	P03	<i>Menetia greyii</i>			19	39		N			R154156
29/11/03	AM	6	P09	<i>Menetia greyii</i>			24	54		N			R154157
29/11/03	AM	6	P15	<i>Menetia greyii</i>			20	39		Y			
29/11/03	AM	6	P23	<i>Menetia greyii</i>	1		24	52		N			
30/11/03	AM	1	P24	<i>Lerista bipes</i>			52	82		Y			
30/11/03	PM	1	P05	<i>Lerista mulleri</i>			20	43		N			
30/11/03	AM	1	P22	<i>Menetia greyii</i>	11		24	57		N			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
30/11/03	PM	2	P07	<i>Heteronotia binoei</i>	3		44	100		N			
30/11/03	PM	2	P09	<i>Lerista bipes</i>			54	80		Y			
30/11/03	AM	2	P12	<i>Lerista bipes</i>			53	81		Y			
30/11/03	AM	2	P14	<i>Lerista bipes</i>			54	94		Y			
30/11/03	AM	2	P16	<i>Lerista bipes</i>			51	88		N			
30/11/03	PM	2	P19	<i>Lerista bipes</i>			54	92		Y			
30/11/03	PM	2	P21	<i>Lerista bipes</i>			56	71		B			
30/11/03	PM	2	P07	<i>Lerista muelleri</i>			39	74		Y			
30/11/03	AM	2	P17	<i>Notoscincus ornatus</i>	2		36	91		N			R154168
30/11/03	AM	3	P05	<i>Ctenotus pantherinus</i>			31	77					
30/11/03	AM	3	P02	<i>Lerista bipes</i>			52	84		Y			
30/11/03	AM	3	P02	<i>Lerista bipes</i>			55	90		Y			
30/11/03	AM	3	P03	<i>Lerista bipes</i>			57	103		N			
30/11/03	AM	3	P04	<i>Lerista bipes</i>			53	97		N			
30/11/03	AM	3	P05	<i>Lerista bipes</i>			52	99		N			
30/11/03	AM	3	P06	<i>Lerista bipes</i>			56	79		B			BIMB041
30/11/03	AM	3	P07	<i>Lerista bipes</i>			57	83		Y			
30/11/03	AM	3	P08	<i>Lerista bipes</i>			59	92		N			
30/11/03	AM	3	P17	<i>Lerista bipes</i>			54	96		Y			
30/11/03	PM	3	P10	<i>Lerista muelleri</i>			34	81		N			
30/11/03	PM	3	P21	<i>Lerista muelleri</i>			?	?					
30/11/03	PM	3	P15	<i>Morethia nigriventer</i>			36	43		B			BIMB032 R154174
30/11/03	PM	6	P16	<i>Lerista muelleri</i>			21	46		N			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
30/11/03	PM	6	P17	<i>Lerista muelleri</i>			35	78		N			
30/11/03	AM	6	P11	<i>Menetia greyii</i>	3		25	56		N			
30/11/03	PM	6	P19	<i>Menetia greyii</i>			22	55		N			
01/12/03	AM	1	E13	<i>Ctenotus grandis</i>	7		115	272	32.1	Y	F	BIMB043	
01/12/03	AM	1	P18	<i>Ctenotus saxatilis</i>	3		100	239	20.2	Y	F	BIMB033	
01/12/03	AM	1	P25	<i>Lerista bipes</i>			50	93		N		R154171	
01/12/03	AM	2	P25	<i>Ctenotus grandis</i>	6		117	265	33.3	Y		BIMB042	
01/12/03	AM	2	P18	<i>Heteronotia binoei</i>	4		37	85		Y			
01/12/03	AM	2	P11	<i>Lerista bipes</i>			51	90		N		R154172	
01/12/03	AM	2	P12	<i>Lerista bipes</i>			53	104		N			
01/12/03	AM	2	P18	<i>Lerista bipes</i>			46	86		N			
01/12/03	AM	2	P23	<i>Lerista bipes</i>			49	95		N			
01/12/03	AM	2	P25	<i>Menetia greyii</i>			23	61		N	M		
01/12/03	AM	2	P13	<i>Notoscincus ornatus</i>	3		39	84		N			
01/12/03	PM	6	P16	<i>Lerista muelleri</i>			35	76		N			
02/12/03	AM	6	E09	<i>Ctenotus saxatilis</i>	1		98	226	15.4	Y	F	BIMB045	
02/12/03	AM	6	P08	<i>Delma nasuta</i>			80	294	5.0	N	F		
25/11/03	PM	4	P10	<i>Lerista bipes</i>			50	55		Y			
25/11/03	PM	4	P24	<i>Lerista bipes</i>			30	49		N		R154167	
25/11/03	PM	4	P25	<i>Lerista muelleri</i>			32	52		B			
25/11/03	PM	5	P01	<i>Lerista muelleri</i>			33	80		N			
25/11/03	PM	5	P21	<i>Pogona minor</i>	1		39	103				BIMB001	
25/11/03	PM	5	P23	<i>Pogona minor</i>			105	288	33.0				

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
26/11/03	AM 4	P13	<i>Delma borea</i>		79		325			N			R154148
26/11/03	AM 4	P02	<i>Lerista bipes</i>		51		95	0.7	N				
26/11/03	AM 4	P02	<i>Lerista bipes</i>		54		90	0.9	Y				
26/11/03	PM 4	P04	<i>Lerista bipes</i>		56		92	0.9	Y				
26/11/03	PM 4	P10	<i>Lerista bipes</i>		42		76	0.4	N				
26/11/03	AM 4	P14	<i>Lerista bipes</i>		54		85	0.8	Y				
26/11/03	PM 4	P16	<i>Lerista bipes</i>		52		98		N			BIMB007	
26/11/03	AM 4	P17	<i>Lerista bipes</i>		54		100	0.9	N				
26/11/03	AM 4	P21	<i>Lerista bipes</i>		50		77	0.6	Y				
26/11/03	AM 4	P21	<i>Lerista bipes</i>		57		101	0.6	N				
26/11/03	PM 4	P24	<i>Lerista bipes</i>		54		87	0.8	N				
26/11/03	AM 4	P25	<i>Lerista bipes</i>		53		82	0.6	Y				
26/11/03	AM 4	P02	<i>Lerista mulleri</i>		22		45	0.1	N				
26/11/03	PM 4	P02	<i>Lerista mulleri</i>		35		70	0.3	N			BIMB009	
26/11/03	PM 4	P14	<i>Lerista mulleri</i>		35		86	0.5	B			BIMB008	
26/11/03	PM 4	P14	<i>Lerista mulleri</i>		20		40		N				
26/11/03	PM 4	P23	<i>Lerista mulleri</i>		33		66	0.4	Y			BIMB006	
26/11/03	AM 5	P25	<i>Heteronotia binotata</i>	1	40		98	1.7	N			BIMB002	
26/11/03	AM 5	P01	<i>Lerista bipes</i>		51		96	0.7	N				
26/11/03	AM 5	P01	<i>Lerista bipes</i>		55		96	0.8	N				
26/11/03	AM 5	P01	<i>Lerista bipes</i>		51		96	0.7	N				
26/11/03	AM 5	P04	<i>Lerista bipes</i>		52		82	0.7	Y				
26/11/03	AM 5	P04	<i>Lerista bipes</i>		51		93	0.6	N				

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
26/11/03	AM	5	P05	<i>Lerista bipes</i>			49	90	0.7	N			
26/11/03	AM	5	P06	<i>Lerista bipes</i>			52	95	0.7	N			
26/11/03	AM	5	P06	<i>Lerista bipes</i>			52	85	0.7	Y			
26/11/03	AM	5	P07	<i>Lerista bipes</i>			55	89	1.0	Y			
26/11/03	AM	5	P13	<i>Lerista bipes</i>			55	98	0.8	N			
26/11/03	AM	5	P13	<i>Lerista bipes</i>			49	95	0.6	N			
26/11/03	AM	5	P14	<i>Lerista bipes</i>			53	101	0.7	N			
26/11/03	AM	5	P14	<i>Lerista bipes</i>			53	95	0.7	N			
26/11/03	AM	5	P15	<i>Lerista bipes</i>			55	92	0.8	N			
26/11/03	AM	5	P15	<i>Lerista bipes</i>			57	96	0.9	Y			
26/11/03	AM	5	P18	<i>Lerista bipes</i>			54	99	0.7	N			
26/11/03	PM	5	P04	<i>Lerista mulleri</i>			35	65			BIMB003		
30/11/03	AM	3	P04	<i>Lerista bipes</i>			53	97			N		
30/11/03	AM	3	P05	<i>Lerista bipes</i>			52	99			B	BIMB041	
30/11/03	AM	3	P06	<i>Lerista bipes</i>			56	79					
30/11/03	AM	3	P07	<i>Lerista bipes</i>			57	83			Y		
30/11/03	AM	3	P08	<i>Lerista bipes</i>			59	92			N		
30/11/03	AM	3	P17	<i>Lerista bipes</i>			54	96			Y		
30/11/03	PM	3	P10	<i>Lerista mulleri</i>			34	81			N		
30/11/03	PM	3	P21	<i>Lerista mulleri</i>			?	?					
30/11/03	PM	3	P15	<i>Morethia ruficunda</i>			36	43			B	BIMB032	R154174
30/11/03	PM	6	P16	<i>Lerista mulleri</i>			21	46			N		
30/11/03	PM	6	P17	<i>Lerista mulleri</i>			35	78			N		

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
30/11/03	AM	6	P11	<i>Menetia greyii</i>	3		25	56		N			
30/11/03	PM	6	P19	<i>Menetia greyii</i>			22	55		N			
16/10/04	AM	3	P6	<i>Ctenotus grandis</i>	6		115	285		37?			
16/10/04	PM	3	P9	<i>Ctenotus grandis</i>	7		125	325		N			
16/10/04	AM	3	P15	<i>Cyclodomorphus melanops</i>	6		78	158		N			
16/10/04	AM	3	P22	<i>Diplodactylus jeansae</i>	NA								
16/10/04	AM	3	P14	<i>Lerista hipes</i>	tc		56	100		N			
16/10/04	AM	3	P18	<i>Lerista hipes</i>	tc		56	101		N			
16/10/04	AM	3	P18	<i>Lerista hipes</i>	tc		NA						
16/10/04	AM	3	P20	<i>Lerista hipes</i>	tc		53	100		N			
16/10/04	AM	3	P22	<i>Lerista hipes</i>	tc		53	92		N			
16/10/04	AM	4	E4	<i>Ctenotus grandis</i>	1Y								
16/10/04	PM	4	P12	<i>Ctenotus grandis</i>	6		75	220		N			
16/10/04	PM	4	P9	<i>Cyclodomorphus melanops</i>	6		89	152		Y			
16/10/04	PM	4	P7	<i>Cyclodomorphus melanops</i>	7		106	192		N			
16/10/04	PM	4	P21	<i>Lerista hipes</i>	tc		51			D			
16/10/04	PM	4	P1	<i>Lerista müelleri</i>	tc		32	71		N			
16/10/04	AM	5	P11	<i>Lerista hipes</i>	tc		52	85		Y			
16/10/04	AM	5	P3	<i>Lerista hipes</i>	tc		54	95		N			
16/10/04	AM	5	P10	<i>Lerista hipes</i>	tc		56	95		N			
16/10/04	AM	5	P6	<i>Lerista hipes</i>	tc		54	102		N			
16/10/04	AM	5	P12	<i>Lerista hipes</i>	tc		52	100		N			
16/10/04	AM	5	P14	<i>Lerista hipes</i>	tc		52	92		N			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
16/10/04	AM	5	P15	<i>Lerista bipes</i>	tc		54	100		N			
16/10/04	AM	5	P10	<i>Lerista bipes</i>	tc		53	100		N			
16/10/04	AM	5	P16	<i>Lerista bipes</i>	tc		55	80		Y			
16/10/04	AM	5	P16	<i>Lerista bipes</i>	tc		55	88		Y			
16/10/04	AM	5	P16	<i>Lerista bipes</i>	tc		53	92		Y			
16/10/04	AM	5	P17	<i>Lerista bipes</i>	tc		52	95		N			
16/10/04	AM	5	P20	<i>Lerista bipes</i>	tc		50			D			
16/10/04	AM	5	P9	<i>Pogona minor</i>	5		78	228		N			
17/10/04	PM	1	P2	<i>Menettia greyii</i>	NA	NA							
17/10/04	PM	1	P7	<i>Notoscincus ornatus</i>	-		31	87		N			
17/10/04	PM	3	P21	<i>Ctenotus grandis</i>	NA		116	335		N			
17/10/04	PM	3	P7	<i>Ctenotus grandis</i>	10		110	260		Y			
17/10/04	AM	3	P23	<i>Ctenotus grandis</i>	7		85	239	13.5	N			
17/10/04	PM	3	P8	<i>Lerista bipes</i>	tc		36	66		N			
17/10/04	PM	3	P19	<i>Lerista bipes</i>	tc	Y - 04	52	86		N			
17/10/04	PM	3	P6	<i>Lerista bipes</i>	tc	Y - 04	53	90		N			
17/10/04	AM	3	P14	<i>Lerista bipes</i>	tc	Y?	53	98		N			
17/10/04	AM	3	P14	<i>Lerista bipes</i>	tc		48	91		Y			
17/10/04	AM	3	P17	<i>Lerista bipes</i>	tc		54	91		N			
17/10/04	PM	3	P3	<i>Lerista bipes</i>	tc		54	92		N			
17/10/04	PM	3	P5	<i>Lerista bipes</i>	tc		53	95		N			
17/10/04	PM	3	P6	<i>Menettia</i> sp.	NA		24			D			
17/10/04	PM	3	P12	<i>Morethia ruficauda</i>	6		32	76		N			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
17/10/04	AM	3	P14	<i>Nothoscincus ornatus</i>	1		31	84		N			
17/10/04	AM	4	E4	<i>Chenotus grandis</i>	40		115	310		N			
17/10/04	PM	4	P9	<i>Chenotus grandis</i>	7		114	275		N			
17/10/04	PM	4	P20	<i>Chenotus grandis</i>	8		113	320		N			
17/10/04	AM	4	P18	<i>Dipodomys deserti</i>	NA		41	81					
17/10/04	AM	4	P1	<i>Lerista bipes</i>	tc								
17/10/04	AM	4	P9	<i>Lerista bipes</i>	tc		55	98		N			
17/10/04	AM	4	P16	<i>Lerista bipes</i>	tc		46	80		N			
17/10/04	PM	4	P21	<i>Lerista bipes</i>	tc		41	90		N			
17/10/04	AM	4	P11	<i>Morethia ruficauda</i>	10		33	60		Y			
17/10/04	PM	4	P6	<i>Pringleophis reginae</i>	6		38	100		N			
17/10/04	AM	5	P8	<i>Lerista bipes</i>	tc		52	95		N			
17/10/04	AM	5	P14	<i>Lerista bipes</i>	tc		55	100		N			
17/10/04	AM	5	P21	<i>Lerista bipes</i>	tc		51	95		N			
17/10/04	AM	5	P22	<i>Lerista bipes</i>	tc		52	80		D			
17/10/04	AM	5	P25	<i>Lerista bipes</i>	tc		50	70		D			
17/10/04	AM	5	P25	<i>Lerista bipes</i>	tc		55	85		Y			
17/10/04	AM	5	P25	<i>Lerista bipes</i>	tc		52	95					
17/10/04	PM	5	P25	<i>Lerista müelleri</i>	tc		33	70		N			
17/10/04	AM	6	P15	<i>Chenotus sexatilis</i>	-		86	241	20	N			
17/10/04	PM	6	P24	<i>Cyclodomorphus melanops</i>	21		95	195		N			
17/10/04	AM	6	E1	<i>Cyclodomorphus melanops</i>	20		95	152	17.5	Y			
17/10/04	AM	6	P20	<i>Heteronotia binotata</i>	NA	NA	40			D			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
17/10/04	AM	6	P16	<i>Heteronotia binotata</i>	NA	NA	35	90		N			
17/10/04	PM	6	P22	<i>Proboscidephorus reginae</i>	6		24	75		N			
18/10/04	AM	1	E15	<i>Ctenotus grandis</i>	-								
18/10/04	PM	1	C1	<i>Ctenotus grandis</i>	6		118	336		N			
18/10/04	PM	1	P7	<i>Cyclodomorphus melanops</i>	6		91	196		N			
18/10/04	AM	1	P23	<i>Heteronotia binotata</i>	NA	NA	44	105		N			
18/10/04	AM	2	P2	<i>Ctenotus grandis</i>	6		102	246	31	Y			
18/10/04	AM	2	E2	<i>Ctenotus grandis</i>	7		113	305	40	N			
18/10/04	AM	2	E8	<i>Ctenotus grandis</i>	8		80	226		N			
18/10/04	AM	2	E19	<i>Ctenotus grandis</i>	9		109	274	33	N			
18/10/04	AM	2	P23	<i>Ctenotus grandis</i>	-	-							
18/10/04	AM	2	E23	<i>Ctenotus grandis</i>	10		110	283	31	N			
18/10/04	AM	2	P21	<i>Ctenotus grandis</i>	11		110	269	36	Y			
18/10/04	AM	2	E6	<i>Ctenotus sexaustralis</i>	6		95	258	19	N			
18/10/04	AM	2	E13	<i>Ctenotus sexaustralis</i>	7		19	267	19	N			
18/10/04	AM	2	P8	<i>Lerista bipora</i>	tc		58	94		N			
18/10/04	AM	2	P15	<i>Lerista bipora</i>	tc		51	93		N			
18/10/04	AM	2	P9	<i>Menetia greyii</i>	NA	NA	24	65		N			
18/10/04	AM	2	P16	<i>Menetia greyii</i>	NA	NA	30	65		N			
18/10/04	AM	2	P12	<i>Morelia ruficauda</i>	-	-							
18/10/04	PM	2	P10	<i>Morelia ruficauda</i>	-	-							
18/10/04	PM	2	P24	<i>Morelia ruficauda</i>	1								
18/10/04	AM	2	P14	<i>Notoscincus ornatus</i>	NA	NA	31	78		N			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
18/10/04	AM	3	E9	<i>Ctenotus grandis</i>	7	Y	125	325		N			
18/10/04	AM	3	P10	<i>Lerista bipes</i>	tc		54	90		N			
18/10/04	AM	3	P8	<i>Lerista bipes</i>	tc		52	98		N			
18/10/04	AM	3	P13	<i>Lerista bipes</i>	tc		54	95		N			
18/10/04	AM	3	P15	<i>Lerista bipes</i>	tc								
18/10/04	AM	3	P19	<i>Lerista bipes</i>	tc		54	94		N			
18/10/04	AM	3	P17	<i>Lerista bipes</i>	tc		58	90		Y			
18/10/04	AM	3	P17	<i>Lerista bipes</i>	tc		53	90		N			
18/10/04	AM	3	P17	<i>Lerista bipes</i>	tc		50	95		N			
18/10/04	AM	3	P16	<i>Lerista bipes</i>	tc		53	95		N			
18/10/04	AM	3	P16	<i>Lerista bipes</i>	tc	Y - 04	50	65		D			
18/10/04	AM	3	P23	<i>Lerista bipes</i>	tc		55	89		N			
18/10/04	PM	4	P14	<i>Ctenotus grandis</i>	8		110	250		N			
18/10/04	AM	4	P7	<i>Cyrtodromorphus melanops</i>	8		85	125		D			
18/10/04	AM	4	P1	<i>Lerista bipes</i>	tc		55	90		N			
18/10/04	PM	5	P18	<i>Ctenotus grandis</i>	-		113	295		N			
18/10/04	AM	5	P17	<i>Ctenotus pantherinus</i>	6		98	245		N			
18/10/04	AM	5	P12	<i>Lerista bipes</i>	tc		55	90		N			
18/10/04	AM	5	P24	<i>Lerista bipes</i>	tc		50	92		N			
18/10/04	AM	6	P24	<i>Heteronotia binotata</i>	NA								
18/10/04	PM	6	P13	<i>Lerista muelleri</i>	-		-						
19/10/04	AM	1	P8	<i>Ctenotus grandis</i>	7	R							
19/10/04	AM	1	P22	<i>Ctenotus grandis</i>	8		104	240		Y			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
19/10/04	PM	1	P4	<i>Dolma ora</i>	-								
19/10/04	PM	1	P1	<i>Lerista bipes</i>	-								
19/10/04	AM	1	P23	<i>Menetia greyii</i>	-		24	65			N		
19/10/04	AM	2	P10	<i>Ctenotus grandis</i>	-		82	199	14		Y		
19/10/04	AM	2	P21	<i>Ctenotus grandis</i>	80		113	330	42		N		
19/10/04	PM	2	P3	<i>Ctenotus grandis</i>	9		112	305			N		
19/10/04	AM	2	E6	<i>Ctenotus sexatilis</i>	8		89	248	19		Y		
19/10/04	AM	2	E23	<i>Ctenotus sexatilis</i>	9		90	254	21		N		
19/10/04	AM	2	P6	<i>Lerista bipes</i>			52	92			N		
19/10/04	AM	2	P6	<i>Lerista bipes</i>	tc		53	77			Y		
19/10/04	AM	2	P6	<i>Lerista bipes</i>	tc		55	92			Y		
19/10/04	AM	2	P23	<i>Lerista bipes</i>			51	68			Y		
19/10/04	AM	2	P23	<i>Lerista bipes</i>	tc		54	60			Y		
19/10/04	AM	2	P22	<i>Lerista bipes</i>	tc		54	82			N		
19/10/04	AM	2	P22	<i>Lerista bipes</i>	tc		34	75			Y		
19/10/04	AM	2	P25	<i>Lerista müelleri</i>	tc		NA	NA	23	62	N		
19/10/04	AM	2	P6	<i>Menetia greyii</i>	-		32	39			Y		
19/10/04	AM	2	P9	<i>Notoscincus ornatus</i>	-		32	60			Y		
19/10/04	AM	2	P24	<i>Notoscincus ornatus</i>	-		33	90			N		
19/10/04	PM	2	P13	<i>Notoscincus ornatus</i>	-		10	Y - 04	115	265	N		
19/10/04	AM	3	P13	<i>Ctenotus grandis</i>	16		78	225			N		
19/10/04	AM	3	P16	<i>Ctenotus grandis</i>									

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
19/10/04	AM	3	E21	<i>Ctenotus grandis</i>	17		120	280		N			
19/10/04	AM	3	P1	<i>Lerista bipes</i>		tc	54	95		N			
19/10/04	AM	3	P8	<i>Lerista bipes</i>		tc	56	65		D			
19/10/04	AM	3	P7	<i>Lerista bipes</i>		tc	43	73		N			
19/10/04	AM	3	P7	<i>Lerista bipes</i>		tc	57	90		Y			
19/10/04	AM	3	P7	<i>Lerista bipes</i>		tc	52	98		N			
19/10/04	AM	3	P7	<i>Lerista bipes</i>		tc	52	80		Y			
19/10/04	AM	3	P7	<i>Lerista bipes</i>		tc	54	72		D			
19/10/04	AM	3	P6	<i>Lerista bipes</i>	-								
19/10/04	AM	3	P14	<i>Lerista bipes</i>		tc	52	95		N			
19/10/04	AM	3	P15	<i>Lerista bipes</i>		tc	52	92		N			
19/10/04	AM	3	P23	<i>Lerista bipes</i>		tc	52	95		N			
19/10/04	AM	3	P23	<i>Lerista bipes</i>		tc	52	90		N			
19/10/04	AM	3	P23	<i>Lerista bipes</i>		tc	56	90		Y			
19/10/04	AM	3	P4	<i>Lerista muelleri</i>		tc	33	40		D			
19/10/04	AM	3	P7	<i>Lerista muelleri</i>	-								
19/10/04	AM	3	P7	<i>Menetia sp.</i>		tc	26	60		N			
19/10/04	AM	3	P17	<i>Nothoscincus ornatus</i>	6		32	41		D			
19/10/04	PM	4	P1	<i>Ctenotus grandis</i>	-								
19/10/04	AM	4	P1	<i>Lerista bipes</i>		tc	52	65		D			
19/10/04	AM	4	P9	<i>Lerista bipes</i>		tc	53	96		N			
19/10/04	AM	4	P8	<i>Lerista bipes</i>		tc	52	87		Y			
19/10/04	AM	4	P6	<i>Lerista bipes</i>		tc	53	90		N			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
19/10/04	AM	4	P11	<i>Lerista bipes</i>	tc		32	60		N			
19/10/04	AM	4	P11	<i>Lerista bipes</i>	tc	Y - 03	52	90		N			
19/10/04	AM	4	P17	<i>Lerista bipes</i>	tc		54	80		D			
19/10/04	AM	4	P12	<i>Lerista bipes</i>	tc								
19/10/04	AM	4	P16	<i>Lerista bipes</i>	tc								
19/10/04	AM	4	P21	<i>Lerista bipes</i>	tc		52	80		Y			
19/10/04	AM	4	P21	<i>Lerista bipes</i>	tc		58	90		Y			
19/10/04	AM	4	P21	<i>Lerista bipes</i>	tc		56	99		Y			
19/10/04	AM	4	P21	<i>Lerista bipes</i>	tc		55	90		Y			
19/10/04	AM	4	P22	<i>Lerista bipes</i>	tc		48	92		N			
19/10/04	AM	4	P22	<i>Lerista bipes</i>	tc		38	60		N			
19/10/04	AM	4	P24	<i>Lerista bipes</i>	tc		57	95		N			
19/10/04	AM	4	P25	<i>Lerista bipes</i>	tc		55	90		N			
19/10/04	PM	4	P6	<i>Lerista bipes</i>	tc		56	72		D			
19/10/04	PM	4	P7	<i>Lerista bipes</i>	tc		56	105		N			
19/10/04	PM	4	P8	<i>Lerista bipes</i>	tc		58	82		Y			
19/10/04	AM	4	P25	<i>Lerista muelleri</i>	tc		33	75		N			
19/10/04	PM	4	P4	<i>Lerista muelleri</i>	-								
19/10/04	PM	4	P20	<i>Lerista muelleri</i>	-								
19/10/04	AM	4	P7	<i>Morelia ruficauda</i>	-								
19/10/04	AM	5	E16	<i>Ctenotus grandis</i>	1	R - 03	115	330		N			
19/10/04	AM	5	P25	<i>Ctenotus sexatilis</i>	2 & 3		102	240		Y			
19/10/04	AM	5	P1	<i>Glabophis glaphyromorphus isolepis</i>	1		46	90		D			

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
19/10/04	AM	5	P7	<i>Lerista bipes</i>	tc		56	90		Y			
19/10/04	AM	5	P11	<i>Lerista bipes</i>	tc		35	50			D		
19/10/04	AM	5	P11	<i>Lerista bipes</i>	tc		57	90			N		
19/10/04	AM	5	P11	<i>Lerista bipes</i>	tc		55	104			N		
19/10/04	AM	5	P11	<i>Lerista bipes</i>	tc		38	55			Y		
19/10/04	AM	5	P12	<i>Lerista bipes</i>	tc		55	100			N		
19/10/04	AM	5	P13	<i>Lerista bipes</i>	tc	R - 04	50	75			N		
19/10/04	AM	5	P15	<i>Lerista bipes</i>	tc	R - 03	54	70			D		
19/10/04	AM	5	P16	<i>Lerista bipes</i>	tc		53	95			N		
19/10/04	AM	5	P17	<i>Lerista bipes</i>	tc		33	58			N		
19/10/04	AM	5	P19	<i>Lerista bipes</i>	tc		55	95			N		
19/10/04	AM	5	P19	<i>Lerista bipes</i>	tc		39	75			N		
19/10/04	AM	5	P20	<i>Lerista bipes</i>	tc		52	93			N		
19/10/04	AM	5	P23	<i>Lerista bipes</i>	tc		32	57			N		
19/10/04	AM	5	P21	<i>Lerista bipes</i>	tc		50	92			N		
19/10/04	PM	5	P6	<i>Lerista bipes</i>	tc		52	80			Y		
19/10/04	PM	5	P6	<i>Lerista bipes</i>	tc		54	96			N		
19/10/04	PM	5	P4	<i>Lerista bipes</i>	tc		52	80			Y		
19/10/04	PM	5	P4	<i>Lerista bipes</i>	tc		56	101			N		
19/10/04	PM	5	P4	<i>Lerista bipes</i>	tc		51	70			Y		
19/10/04	PM	5	P4	<i>Lerista bipes</i>	tc		55	100			N		
19/10/04	PM	5	P15	<i>Lerista bipes</i>	tc		54	60			D		
19/10/04	PM	5	P3	<i>Lerista muelleri</i>	-								

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
19/10/04	PM	5	P4	<i>Lorisba muelleri</i>	-								
19/10/04	PM	5	P4	<i>Meretia sp.</i>	-								
19/10/04	PM	5	P4	<i>Nolascinus ornatus</i>	1			32	90		N		
19/10/04	AM	6	P13	<i>Ctenous sexatilis</i>	3			53	152		N		
19/10/04	AM	6	P10	<i>Heteronotia binocellata</i>	NA	NA	NA	35	84		N		
19/10/04	AM	6	P20	<i>Heteronotia binocellata</i>	NA	NA	NA	38	99		N		
19/10/04	PM	6	P18	<i>Meretia sp.</i>	10			35	60		N		
19/10/04	PM	6	P11	<i>Probablepharus reginae</i>	10			30	55		D		
20/10/04	AM	1	E18	<i>Ctenous grandis</i>	9			106	269	35	N		
20/10/04	AM	1	P21	<i>Ctenous pantherinus</i>	6			87	231	19	N		
20/10/04	AM	1	P4	<i>Ctenous sexatilis</i>	-								
20/10/04	AM	1	E15	<i>Ctenous sexatilis</i>	6			95	239	21.5	N		
20/10/04	PM	1	P17	<i>Heteronotia binocellata</i>	-								
20/10/04	AM	1	P1	<i>Lorisba bipes</i>	tc	R		50	54		Y		
20/10/04	AM	1	P1	<i>Lorisba bipes</i>	tc			52	81		N		
20/10/04	AM	1	P2	<i>Lorisba bipes</i>	tc			54	82		N		
20/10/04	AM	1	P6	<i>Meretia greyii</i>	-								
20/10/04	AM	2	E22	<i>Ctenous grandis</i>	-								
20/10/04	AM	2	E4	<i>Ctenous grandis</i>	12			110	250		Y		
20/10/04	AM	2	P15	<i>Ctenous pantherinus</i>	6			90	235		N		
20/10/04	AM	2	P5	<i>Ctenous pantherinus</i>	-			93	248		N		
20/10/04	AM	2	E3	<i>Ctenous sexatilis</i>	7			95	240		Y		
20/10/04	AM	2	E5	<i>Ctenous sexatilis</i>	90			95	245		Y		

Date	Time	Grid	Trap	Species	Number	Rec	SVL	Total	Weight	Regrown tail	Sex	Cryo Number	Museum number
20/10/04	AM	2	P17	<i>Lerista bipes</i>	tc		58	87		Y			
20/10/04	AM	2	P17	<i>Lerista bipes</i>	tc		45	63		N			
20/10/04	AM	2	P17	<i>Lerista bipes</i>	tc		55	97		N			
20/10/04	AM	2	P7	<i>Lerista bipes</i>	tc		52	92		N			
20/10/04	AM	2	P21	<i>Lerista muelleri</i>	-		37	88		N			
20/10/04	AM	2	P7	<i>Lerista muelleri</i>	tc		35	75		N			
20/10/04	AM	2	P21	<i>Probablepharus reginae</i>	-		27	41		D			
20/10/04	AM	2	P17	<i>Probablepharus reginae</i>	-								
20/10/04	AM	2	P2	<i>Varanus acanthurus</i>	-		140	360		N			
20/10/04	AM	2	P2	<i>Varanus acanthurus</i>	-		130	355		N			
20/10/04	AM	6	P18	<i>Ctenophorus caudicinctus</i>	6		53	141		N			
20/10/04	AM	6	P22	<i>Ctenotus pantherinus</i>	1		80	176		N			
21/10/04	PM	1	P6	<i>Ctenotus grandis</i>	9		115	288		N			
21/10/04	PM	1	P4	<i>Cyclodomorphus melanops</i>	-								
21/10/04	PM	1	P11	<i>Lerista muelleri</i>	tc		32	68		N			
21/10/04	PM	1	P23	<i>Lerista muelleri</i>	-								
21/10/04	PM	1	P11	<i>Notoscincus ornatus</i>	1		32	94		N			
21/10/04	AM	2	E2	<i>Ctenotus sexatuberculatus</i>	10		89	248		N			
21/10/04	AM	2	P16	<i>Lerista muelleri</i>	tc		32	78		N			
21/10/04	AM	2	P22	<i>Menetia sp.</i>	-		24	55		N			

Attachment 5 - Details of Mammal Captures on the Six Grids in the Proposed Development Area, November-December 2003 and October 2004

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
01/12/03	AM 1	C17	Bettongia lesueur	630	982009101139931	AS1417	R							
01/12/03	AM 1	C16	<i>Isoodon auratus</i> <i>barrovensis</i>	210	240213		C	60.3					F	Virginal
01/12/03	AM 1	E17	<i>Isoodon auratus</i> <i>barrovensis</i>	230	258738		C							
01/12/03	AM 1	E09	<i>Isoodon auratus</i> <i>barrovensis</i>	220	982009100613438		R							
01/12/03	AM 1	C04	<i>Isoodon auratus</i> <i>barrovensis</i>	250	982009100621275		R							
01/12/03	AM 1	C24	<i>Isoodon auratus</i> <i>barrovensis</i>	220	982009100664874		R							
01/12/03	AM 1	C13	<i>Isoodon auratus</i> <i>barrovensis</i>	300	982009100671145		R							
01/12/03	AM 1	C02	<i>Isoodon auratus</i> <i>barrovensis</i>	225	982009100681581		R							regressed
01/12/03	AM 1	C21	<i>Isoodon auratus</i> <i>barrovensis</i>	260	982009100690840		R							
01/12/03	AM 1	E14	<i>Isoodon auratus</i> <i>barrovensis</i>	290	982009100713545		R							with young
01/12/03	AM 1	E15	<i>Isoodon auratus</i> <i>barrovensis</i>	220	982009101221296			61.5	15.2	20.8		M		
01/12/03	AM 1	C14	<i>Isoodon auratus</i> <i>barrovensis</i>	270	982009101238585		R							young still present
01/12/03	AM 1	C05	<i>Isoodon auratus</i> <i>barrovensis</i>	220	982009101241806		R							

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
01/12/03	AM 1	C22	<i>Isoodon auratus barrovensis</i>	300	982009101242881		N							
01/12/03	AM 1	E10	<i>Isoodon auratus barrovensis</i>	240	982009101244635		R							
01/12/03	AM 1	E22	<i>Isoodon auratus barrovensis</i>	285	982009101261108			65.1				F	Regressed	
01/12/03	AM 1	C18	<i>Isoodon auratus barrovensis</i>	220	982009101359509			62.7				F	1x20mm	
01/12/03	AM 1	E03	<i>Isoodon auratus barrovensis</i>		982009101453040		R							
01/12/03	AM 1	C15	<i>Lagorchestes conspicillatus</i>		No PIT			94.2				F	1x150mm	
01/12/03	AM 1	C20	<i>Trichosurus vulpecula</i>	107.5	982009101216118	AS1311		76.8				F	216118	
01/12/03	AM 2	C25	<i>Isoodon auratus barrovensis</i>	250	982009100618982		R							
01/12/03	AM 2	E15	<i>Isoodon auratus barrovensis</i>	255	982009100660088		R							
01/12/03	AM 2	E12	<i>Isoodon auratus barrovensis</i>	225	982009100677956		R							
01/12/03	AM 2	C17	<i>Isoodon auratus barrovensis</i>	315	982009100683037		R							
01/12/03	AM 2	E21	<i>Isoodon auratus barrovensis</i>	170	982009100702357		R							
01/12/03	AM 2	E3	<i>Isoodon auratus barrovensis</i>		982009100708906		R							
01/12/03	AM 2	C23	<i>Isoodon auratus barrovensis</i>	250	982009101224743		R							
01/12/03	AM 2	E16	<i>Isoodon auratus barrovensis</i>	270	982009101351583		R							

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
01/12/03	AM 2	E2	<i>Isoodon auratus barrovensis</i>	245	982009101351996		R							
01/12/03	AM 2	C5	<i>Isoodon auratus barrovensis</i>	270	982009101445505		R							
01/12/03	AM 2	C10	<i>Isoodon auratus barrovensis</i>	250	982009101455058		R							
01/12/03	AM 2	C10	<i>Lagorhestes conspicillatus</i>	4500	982009101244427			99	20.7	24.7		M		
01/12/03	AM 2	E20	<i>Pseudomys nannus ferulinus</i>											
01/12/03	AM 2	C12	<i>Trichosurus vulpecula</i>	550	239680	AS1305	C							
01/12/03	AM 2	E22	<i>Trichosurus vulpecula</i>	525	982009101220124	AS1312		71				F	Virginia	
01/12/03	AM 2	C21	<i>Trichosurus vulpecula</i>	1000	982009101446496		R							
01/12/03	AM 2	C13	<i>Trichosurus vulpecula</i>	1200	No PIT	AS1313		80.1				F	1x40mm	
01/12/03	AM 2	C11	<i>Trichosurus vulpecula</i>	1300	No PIT	AS1314		85.3	25.1	28.6		M		
01/12/03	AM 6	C21	<i>Isoodon auratus barrovensis</i>	140	451740		C							
01/12/03	AM 6	C5	<i>Isoodon auratus barrovensis</i>	200	982009101236881		R							
01/12/03	AM 6	E2	<i>Isoodon auratus barrovensis</i>	180	982009101241467		R							
01/12/03	AM 6	E21	<i>Isoodon auratus barrovensis</i>	160	982009101244207		R							
01/12/03	AM 6	E4	<i>Isoodon auratus barrovensis</i>	200	982009101263830			62.3	13.7	19.8		M		
01/12/03	AM 6	C11	<i>Isoodon auratus barrovensis</i>	270	982009101357885		R							

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
01/12/03	AM 6	E11	<i>Isoodon auratus barrovensis</i>	240	982009101447290		R							
01/12/03	AM 6	C17	<i>Isoodon auratus barrovensis</i>	200	982009101448585			65.3	15.8	21.2		M		
01/12/03	AM 6	C12	<i>Isoodon auratus barrovensis</i>	170	982009101450647		R							
01/12/03	AM 6	E7	<i>Isoodon auratus barrovensis</i>	230	982009101453358		R							
02/12/03	AM 6	C11	<i>Isoodon auratus barrovensis</i>	235	982009101447290		R							
02/12/03	AM 6	C5	<i>Isoodon auratus barrovensis</i>	175	982009101451260		R							
02/12/03	AM 6	E4	<i>Isoodon auratus barrovensis</i>	230	982009101453358		R							
02/12/03	AM 6	C12	<i>Isoodon auratus barrovensis</i>	260	No PIT			67.4	15.3	22.1		M		
02/12/03	AM 6	C16	<i>Isoodon auratus barrovensis</i>	210	No PIT			62.6	13.7	18.3		M		
02/12/03	AM 6	E2	<i>Isoodon auratus barrovensis</i>	260	No PIT			65.7	15.6	21.3		M		
02/12/03	AM 6	C21	<i>Trichosurus vulpecula</i>	1150	No PIT			76.1	24.4	29.4		M		
02/12/03	AM 6	C6	<i>Trichosurus vulpecula</i>	900	No PIT			69.9	15.2	15.8		M		
26/11/03	AM 4	C07	<i>Bettongia lesueur</i>	850	982009101221058			71.9		82	F	reg		
26/11/03	AM 4	C22	<i>Bettongia lesueur</i>	770	982009101245090			65.6	18.1	21.7	85	M		
26/11/03	AM 4	C01	<i>Isoodon auratus barrovensis</i>	270	982009101217247			62.75		40.28	F	2x15mm		
26/11/03	AM 4	C21	<i>Isoodon auratus barrovensis</i>	300	982009101223852			65.93		43.45	F	1x35mm		

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
26/11/03	AM 4	C06	<i>Isoodon auratus barrovensis</i>	290	982009101242467			63.81			42.68	F		regressed
26/11/03	AM 4	E07	<i>Isoodon auratus barrovensis</i>	230	982009101245369			61.44	12.44	19.73	40.78	M		
26/11/03	AM 4	E16	<i>Isoodon auratus barrovensis</i>	300	982009101259441			64.57			41.99	F		1x64.2mm F
26/11/03	AM 4	E15	<i>Isoodon auratus barrovensis</i>	280	982009101261450			67.26			42.75	F		1xlac
26/11/03	AM 4	C06	<i>Isoodon auratus barrovensis</i>	330	982009101262267			66.71	13.56	21.18	43.18	M		
26/11/03	AM 4	E06	<i>Isoodon auratus barrovensis</i>	290	982009101264699			62.5			39.7	F		2x35mm
26/11/03	AM 4	E20	<i>Isoodon auratus barrovensis</i>	270	982009101356742			67.22			37.85	F		1x40mm
26/11/03	AM 4	C05	<i>Isoodon auratus barrovensis</i>	210	982009101360729			59.5			35.7	F	v	
26/11/03	AM 4	E01	<i>Isoodon auratus barrovensis</i>	240	982009101446012			62.41	17.89	19.64	41.02	M		
26/11/03	AM 4	E24	<i>Isoodon auratus barrovensis</i>	210	982009101451826			39.09			41.67	F		virginal
26/11/03	AM 4	C02	<i>Trichosurus vulpecula</i>	1100	982009101222180			75.62			50.15	F		reg
26/11/03	AM 4	C19	<i>Trichosurus vulpecula</i>	1350	982009101239433			82.83	26.01	31.16	46.85	M		
26/11/03	AM 4	C11	<i>Trichosurus vulpecula</i>	1250	982009101357271			78.2	24.7	33.6	49	M		
26/11/03	AM 4	E21	<i>Zyzomys argurus</i>	52		1		37.2		13.5	21	M		
26/11/03	AM 5	E11	<i>Isoodon auratus barrovensis</i>	295	982009101222158			66.95			41.88	F		Yng 2x20mm
26/11/03	AM 5	E04	<i>Isoodon auratus barrovensis</i>	300	982009101241642			66.63			42.75	F		10mm

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
26/11/03	AM	5	S01	<i>Isoodon auratus barrovensis</i>	300	982009101246696			74.52	13.64	20.37	43.1	M	
26/11/03	AM	5	C25	<i>Isoodon auratus barrovensis</i>	260	982009101261583			64.44			42.18	F	Yng x2 20x20mm
26/11/03	AM	5	C15	<i>Isoodon auratus barrovensis</i>	200	982009101264875			61.26	14.08	19.35	41	M	
26/11/03	AM	5	E10	<i>Isoodon auratus barrovensis</i>	250	982009101267637			63.55	13.43	20.72	41.74	M	
26/11/03	AM	5	E03	<i>Isoodon auratus barrovensis</i>	200	982009101352703			65.27			37.34	IV	
26/11/03	AM	5	E05	<i>Isoodon auratus barrovensis</i>	270	982009101354739			68.98			39.76	F	Young 30mm
26/11/03	AM	5	C11	<i>Isoodon auratus barrovensis</i>	270	982009101355888			66.25			39.63	F	Yng 50mm M
26/11/03	AM	5	E25	<i>Isoodon auratus barrovensis</i>	310	982009101454810			70.48	12.2	18.85	46.44	M	
26/11/03	AM	5	C22	<i>Isoodon auratus barrovensis</i>		No PIT								
26/11/03	AM	5	P20	<i>Planigale</i> sp.	11		1		21.20			9.50	F	lactating
26/11/03	AM	5	C21	<i>Trichosurus vulpecula</i>	850	982009101220200			76.01			48.05	F	
26/11/03	AM	5	C21	<i>Trichosurus vulpecula</i>	950	982009101244679			74.10			44.83	F	
26/11/03	AM	5	C16	<i>Trichosurus vulpecula</i>	340	982009101245301			66.72			42.57	M	
26/11/03	AM	5	C21	<i>Trichosurus vulpecula</i>	410	982009101262197			66.70	12.91		42.24	M	
26/11/03	AM	5	C19	<i>Trichosurus vulpecula</i>	450	982009101449263			64.76	9.85	15.25	34.58	M	
27/11/03	AM	3	E04	<i>Isoodon auratus barrovensis</i>	290	982009101220313			70.35				F	Young 30mm

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
27/11/03	AM 3	C16	<i>Isoodon auratus barrovensis</i>	270	982009101222352			73.70	13.80	18.40		M		
27/11/03	AM 3	C01	<i>Isoodon auratus barrovensis</i>	210	982009101243662			63.46	13.40	19.50		M		
27/11/03	AM 3	C23	<i>Isoodon auratus barrovensis</i>	265	982009101257730			67.90				F	Young 60mm	
27/11/03	AM 3	C25	<i>Isoodon auratus barrovensis</i>	200	982009101355127			64.20				FV		
27/11/03	AM 3	E21	<i>Isoodon auratus barrovensis</i>	275	982009101356856			73.20	16.60	22.80		M		
27/11/03	AM 3	C18	<i>Isoodon auratus barrovensis</i>	235	982009101452045			69.70				FV		
27/11/03	AM 3	E19	<i>Pseudantechinus</i> sp.	17		1		32.80				F		
27/11/03	AM 3	C17	<i>Trichosurus vulpecula</i>	1300	982009101453702			82.00	19.40	28.80		M		
27/11/03	AM 4	E02	<i>Isoodon auratus barrovensis</i>	280	982009101242467		R					F		
27/11/03	AM 4	E22	<i>Isoodon auratus barrovensis</i>	190	982009101261225			60.20	6.30	7.90		M		
27/11/03	AM 4	E23	<i>Isoodon auratus barrovensis</i>	300	982009101261450		R					F		
27/11/03	AM 4	E01	<i>Isoodon auratus barrovensis</i>	220	982009101262623			67.10	15.90	22.60		M		
27/11/03	AM 4	E16	<i>Isoodon auratus barrovensis</i>	275	982009101264699		R							
27/11/03	AM 4	C01	<i>Isoodon auratus barrovensis</i>	300	982009101357113			64.80				F	Young 50mm x1	
27/11/03	AM 4	E25	<i>Isoodon auratus barrovensis</i>	220	982009101360729		R					FV		

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
27/11/03	AM 4	E21	<i>Isoodon auratus barrovensis</i>	190	982009101451826		R							
27/11/03	AM 4	C14	<i>Trichosurus vulpecula</i>	1300	982009101239433		R					M		
27/11/03	AM 4	C16	<i>Trichosurus vulpecula</i>	950	982009101262018			73.60				F	Furred young 90mm	
27/11/03	AM 4	C21	<i>Trichosurus vulpecula</i>	1400	982009101357271		R					M		
27/11/03	AM 5	E04	<i>Isoodon auratus barrovensis</i>	240	982009100609711			66.50				F		
27/11/03	AM 5	E03	<i>Isoodon auratus barrovensis</i>	230	982009101244635			65.80				F		
27/11/03	AM 5	E21	<i>Isoodon auratus barrovensis</i>	270	982009101246696		R					M		
27/11/03	AM 5	E05	<i>Isoodon auratus barrovensis</i>	235	982009101257692			63.80				F		
27/11/03	AM 5	C18	<i>Isoodon auratus barrovensis</i>	250	982009101258127			65.10				F	Yng 2x 15mm	
27/11/03	AM 5	E23	<i>Isoodon auratus barrovensis</i>	250	982009101261583		R					F		
27/11/03	AM 5	C15	<i>Isoodon auratus barrovensis</i>	170	982009101264875		R					M		
27/11/03	AM 5	E17	<i>Isoodon auratus barrovensis</i>	210	982009101264928			61.50				FV		
27/11/03	AM 5	E16	<i>Isoodon auratus barrovensis</i>	260	982009101355888		R					F		
27/11/03	AM 5	C24	<i>Lagorchestes conspicillatus</i>	4000	982009101224936			96.00				F	Yng 70mmx10mm	
27/11/03	AM 5	C12	<i>Trichosurus vulpecula</i>	1000	982009101244679		R					F		
27/11/03	AM 5	C20	<i>Trichosurus vulpecula</i>	1150	982009101265419			79.60	21.60	29.30	M			

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
27/11/03	AM	5	C23	<i>Trichosurus vulpecula</i>	1050	No PIT			75.10				F	
28/11/03	AM	1	C02	<i>Isoodon auratus barromensis</i>	240	982009100613438			63.70	15.20	22.90		M	
28/11/03	AM	1	C05	<i>Isoodon auratus barromensis</i>	260	982009100621275			68.20	15.00	22.20		M	
28/11/03	AM	1	C20	<i>Isoodon auratus barromensis</i>	240	982009100664874			66.00				F	
28/11/03	AM	1	E20	<i>Isoodon auratus barromensis</i>	240	982009100671145			65.80				F	Yng 65mm x 1
28/11/03	AM	1	C04	<i>Isoodon auratus barromensis</i>	240	982009100681581			66.90				F	
28/11/03	AM	1	E21	<i>Isoodon auratus barromensis</i>	255	982009100690840			66.30	14.90	18.00		M	
28/11/03	AM	1	E22	<i>Isoodon auratus barromensis</i>	280	982009100713545			68.10				F	Yng 65mmx1 female
28/11/03	AM	2	C21	<i>Bettongia lesuerii</i>	800	982009100985920	AS1973	C	75.40	16.20	19.90	83.9	M	
28/11/03	AM	2	C14	<i>Isoodon auratus barromensis</i>	240	982009100613872			68.60				F	
28/11/03	AM	2	E17	<i>Isoodon auratus barromensis</i>	265	982009100618982			65.50	16.50	22.10		M	
28/11/03	AM	2	C22	<i>Isoodon auratus barromensis</i>	250	982009100660088			65.10				F	
28/11/03	AM	2	C09	<i>Isoodon auratus barromensis</i>	230	982009100677956			67.60	14.10	21.30		M	
28/11/03	AM	2	C10	<i>Isoodon auratus barromensis</i>	300	982009100683037			66.60				F	Young 60mm
28/11/03	AM	2	E03	<i>Isoodon auratus barromensis</i>	250	982009100689973			65.10				F	Young 2x15mm

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
28/11/03	AM	2	C23	<i>Isoodon auratus barrovensis</i>	235	982009100693687			63.20				F	
28/11/03	AM	2	E11	<i>Isoodon auratus barrovensis</i>	210	982009100702357			60.90				TV	
28/11/03	AM	2	C04	<i>Isoodon auratus barrovensis</i>	280	982009100708906			65.60				F	Young 60mm
28/11/03	AM	2	E21	<i>Isoodon auratus barrovensis</i>	330	982009100819380			70.50	16.40	23.40		M	
28/11/03	AM	2	E23	<i>Isoodon auratus barrovensis</i>	240	982009101455058			63.60				F	2x 20mm
28/11/03	AM	2	C03	<i>Ligorhestes conspicillatus</i>	4500	982009101245091			96.10	19.20	24.30		M	
28/11/03	AM	2	C25	<i>Trichosurus vulpecula</i>	1450	982009101265683			79.90	26.30	29.70		M	
28/11/03	AM	2	C12	<i>Trichosurus vulpecula</i>	1050	982009101446496			78.50				F	90mm
28/11/03	AM	3	C07	<i>Isoodon auratus barrovensis</i>	320	982009100699086			70.40	15.50	23.30		M	
28/11/03	AM	3	E11	<i>Isoodon auratus barrovensis</i>	295	982009100701643			65.70				F	2 x15mm
28/11/03	AM	3	C13	<i>Isoodon auratus barrovensis</i>	180	982009100817306			64.8	11.7	16.2		M	
28/11/03	AM	3	E08	<i>Isoodon auratus barrovensis</i>	290	982009101220313	R					F	present	
28/11/03	AM	3	E20	<i>Isoodon auratus barrovensis</i>	210	982009101243662	R						M	
28/11/03	AM	3	E07	<i>Isoodon auratus barrovensis</i>	180	982009101355127	R							
28/11/03	AM	3	C12	<i>Isoodon auratus barrovensis</i>	275	982009101356856	R						M	
28/11/03	AM	3	C16	<i>Trichosurus vulpecula</i>	1300	982009100692633			78.70	23.20			M	1x15mm

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
28/11/03	AM	3	C06	<i>Trichosurus vulpecula</i>	1250	982009100813198		85.10					M	
28/11/03	AM	3	C20	<i>Trichosurus vulpecula</i>	1300	982009101453702	R						M	1x15mm
28/11/03	AM	4	C11	<i>Bettongia lesueur</i>		982009101221058	R						F	
28/11/03	AM	4	C21	<i>Isoodon auratus barromensis</i>	250	982009101217247	R						F	
28/11/03	AM	4	E05	<i>Isoodon auratus barromensis</i>	190	982009101245369	R						M	
28/11/03	AM	4	C25	<i>Isoodon auratus barromensis</i>	280	982009101259441	R						F	
28/11/03	AM	4	E03	<i>Isoodon auratus barromensis</i>	330	982009101262267	R						M	
28/11/03	AM	4	E21	<i>Isoodon auratus barromensis</i>	280	982009101264699	R						F	
28/11/03	AM	4	C16	<i>Isoodon auratus barromensis</i>	290	982009101357113	R						F	
28/11/03	AM	4	C23	<i>Isoodon auratus barromensis</i>	200	982009101360729	R						F	
28/11/03	AM	4	C06	<i>Isoodon auratus barromensis</i>	180	982009101361694		61.40					FV	
28/11/03	AM	4	C03	<i>Isoodon auratus barromensis</i>	220	982009101446012	R						M	
28/11/03	AM	4	P05	<i>Planigale sp.</i>	5.8		4		21.7		13.9		F	
28/11/03	AM	4	C12	<i>Trichosurus vulpecula</i>	1300	982009101239433	R						M	
28/11/03	AM	4	C01	<i>Trichosurus vulpecula</i>	1450	982009101357271	R						M	
28/11/03	AM	5	E10	<i>Isoodon auratus barromensis</i>	230	982009101221505		58.40					FV	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
28/11/03	AM	5	E03	<i>Isoodon auratus barromensis</i>	250	982009101222158		R					F	
28/11/03	AM	5	E12	<i>Isoodon auratus barromensis</i>	240	982009101244635		R					F	
28/11/03	AM	5	C10	<i>Isoodon auratus barromensis</i>	225	982009101257692		R					F	
28/11/03	AM	5	C01	<i>Isoodon auratus barromensis</i>	250	982009101258127		R					F	
28/11/03	AM	5	E20	<i>Isoodon auratus barromensis</i>	190	982009101264875		R					M	
28/11/03	AM	5	C22	<i>Isoodon auratus barromensis</i>	190	982009101264928		R					M	
28/11/03	AM	5	C15	<i>Isoodon auratus barromensis</i>	230	982009101267637		R					M	
28/11/03	AM	5	C02	<i>Isoodon auratus barromensis</i>		982009101355888		R					M	
28/11/03	AM	5	E13	<i>Isoodon auratus barromensis</i>	315	982009101454810		R					M	
28/11/03	AM	5	C25	<i>Pseudomyshannans ferulinus</i>	55								M	
28/11/03	AM	5	C16	<i>Trichosurus vulpecula</i>	900	982009101244679		R					F	
28/11/03	AM	5	E11	<i>Trichosurus vulpecula</i>	320	982009101245301		R					M	
28/11/03	AM	5	C18	<i>Trichosurus vulpecula</i>	1150	982009101265419		R					M	
29/11/03	AM	1	C21	<i>Bettongia lesueur</i>	650	982009101139931	AS1417		72.30					
29/11/03	AM	1	E11	<i>Isoodon auratus barromensis</i>	250	982009100621275		R						
29/11/03	AM	1	E19	<i>Isoodon auratus barromensis</i>	240	982009100664874		R						

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
29/11/03	AM 1	C17	<i>Isoodon auratus barrovensis</i>	245	982009100681581		R							
29/11/03	AM 1	E22	<i>Isoodon auratus barrovensis</i>	260	982009100690840		R							
29/11/03	AM 1	E18	<i>Isoodon auratus barrovensis</i>	300	982009100713545		R							
29/11/03	AM 1	E21	<i>Isoodon auratus barrovensis</i>	230	982009101241806									
29/11/03	AM 1	E23	<i>Isoodon auratus barrovensis</i>	260	982009101258734									
29/11/03	AM 1	E16	<i>Isoodon auratus barrovensis</i>	305	982009101266038									
29/11/03	AM 1	C25	<i>Isoodon auratus barrovensis</i>	320	982009101267297									
29/11/03	AM 2	C06	<i>Bettongia lesuer</i>	700	982009101168071	AS1416								
29/11/03	AM 2	E10	<i>Isoodon auratus barrovensis</i>	210	982009100613872		R							
29/11/03	AM 2	C23	<i>Isoodon auratus barrovensis</i>	270	982009100618982		R							
29/11/03	AM 2	C21	<i>Isoodon auratus barrovensis</i>	250	982009100660088		R							
29/11/03	AM 2	E21	<i>Isoodon auratus barrovensis</i>	220	982009100677956		R							
29/11/03	AM 2	E16	<i>Isoodon auratus barrovensis</i>	260	982009100689973		R							
29/11/03	AM 2	E09	<i>Isoodon auratus barrovensis</i>	340	982009100819380		R							
29/11/03	AM 2	C10	<i>Isoodon auratus barrovensis</i>	260	982009101258412								F	1x50mm young

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
29/11/03	AM	2	C05	<i>Isoodon auratus barromensis</i>	240	982009101351996			64.8	15.1	21.7		M	
29/11/03	AM	2	E04	<i>Isoodon auratus barromensis</i>	280	982009101445505			66.4				F	1X lactating
29/11/03	AM	2	E14	<i>Isoodon auratus barromensis</i>	110	982009101447147			53				F	virginal
29/11/03	AM	2	E20	<i>Isoodon auratus barromensis</i>	260	982009101455058	R							
29/11/03	AM	2	C12	<i>Lagorchestes conspicillatus</i>	4500	982009101225961			103.6				F	1X100mm young
29/11/03	AM	2	C03	<i>Lagorchestes conspicillatus</i>	5500	982009101452816								
29/11/03	AM	2	P16	<i>Planigale</i> sp.	9		1						M	
29/11/03	AM	2	C21	<i>Trichosurus vulpecula</i>	500	982009101239680	AS1305	R	62.7				F	Virginal
29/11/03	AM	2	C08	<i>Trichosurus vulpecula</i>	1200	982009101260761	AS1306		80.5	22.7	31		M	
29/11/03	AM	2	C19	<i>Trichosurus vulpecula</i>	1000	982009101446496	R							
29/11/03	AM	3	C09	<i>Bettongia lesueur</i>	750	982009101353434	AS1440		69.3				F	regressed
29/11/03	AM	3	C02	<i>Isoodon auratus barromensis</i>	295	982009100699086	R						M	
29/11/03	AM	3	E09	<i>Isoodon auratus barromensis</i>	280	982009101219142			66				F	regressed
29/11/03	AM	3	C02	<i>Isoodon auratus barromensis</i>	275	982009101220313	R						F	
29/11/03	AM	3	C06	<i>Isoodon auratus barromensis</i>	280	982009101222352	R							
29/11/03	AM	3	C18	<i>Isoodon auratus barromensis</i>	255	982009101241645			64.7				F	regressed

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
29/11/03	AM	3	C08	<i>Isoodon auratus barromensis</i>	230	982009101243662	R							
29/11/03	AM	3	E25	<i>Isoodon auratus barromensis</i>	320	982009101261312		64.2				F	1x10mm	
29/11/03	AM	3	C03	<i>Isoodon auratus barromensis</i>	170	982009101355127	R							
29/11/03	AM	3	E07	<i>Isoodon auratus barromensis</i>	255	982009101357653		63.4				F	2x15mm	
29/11/03	AM	3	C13	<i>Lagorchestes conspicillatus</i>		982009101449376		99.5				F	1x110mm	
29/11/03	AM	3	C16	<i>Trichosurus vulpecula</i>	1250	982009100692633	R							
29/11/03	AM	3	C20	<i>Trichosurus vulpecula</i>	1000	982009101361303	AS1307	78	22.8	26.1		M		
29/11/03	AM	4	C01	<i>Isoodon auratus barromensis</i>	280	982009101221870		70				M		
29/11/03	AM	4	C06	<i>Isoodon auratus barromensis</i>	270	982009101222068		67.6				F	1x10mm	
29/11/03	AM	4	C16	<i>Isoodon auratus barromensis</i>	310	982009101223852	R							
29/11/03	AM	4	C11	<i>Isoodon auratus barromensis</i>	320	982009101242881		68.2				F		
29/11/03	AM	4	E04	<i>Isoodon auratus barromensis</i>	225	982009101245369	R							
29/11/03	AM	4	E23	<i>Isoodon auratus barromensis</i>	290	982009101259441	R							
29/11/03	AM	4	E12	<i>Isoodon auratus barromensis</i>	300	982009101261450	R							
29/11/03	AM	4	C08	<i>Isoodon auratus barromensis</i>	270	982009101263196		66.8				F	1x60mm	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
29/11/03	AM	4	C21	<i>Isoodon auratus barromensis</i>	285	982009101357113		R						
29/11/03	AM	4	E20	<i>Isoodon auratus barromensis</i>	200	982009101360729		R						
29/11/03	AM	4	C09	<i>Trichosurus vulpecula</i>	1450	982009101239443		C						
29/11/03	AM	4	C23	<i>Trichosurus vulpecula</i>	1050	982009101222180		R						
29/11/03	AM	4	C17	<i>Trichosurus vulpecula</i>	1000	982009101262018		R						
29/11/03	AM	5	C04	<i>Isoodon auratus barromensis</i>	300	982009101241642		R						
29/11/03	AM	5	C01	<i>Isoodon auratus barromensis</i>	285	982009101246696		R						
29/11/03	AM	5	E05	<i>Isoodon auratus barromensis</i>	230	982009101257692		R						
29/11/03	AM	5	E02	<i>Isoodon auratus barromensis</i>	250	982009101258127		R						
29/11/03	AM	5	C10	<i>Isoodon auratus barromensis</i>	260	982009101261087							F	2x25mm
29/11/03	AM	5	E03	<i>Isoodon auratus barromensis</i>	240	982009101266837							F	1x70mm
29/11/03	AM	5	E09	<i>Isoodon auratus barromensis</i>	225	982009101267637		R						
29/11/03	AM	5	C14	<i>Isoodon auratus barromensis</i>	250	982009101354739		R						
29/11/03	AM	5	E10	<i>Isoodon auratus barromensis</i>	250	982009101355080							F	
29/11/03	AM	5	E18	<i>Isoodon auratus barromensis</i>	325	982009101454810		R						

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
29/11/03	AM	5	C15	<i>Isoodon auratus barromensis</i>	310	No PIT			69				F	
29/11/03	AM	5	C08	<i>Lagorchestes conspicillatus</i>		982009101224936		R						
29/11/03	AM	5	C03	<i>Trichosurus macrourus</i>	950	982009101244679		R						
29/11/03	AM	5	C12	<i>Trichosurus vulpecula</i>	320	982009101245301		R						
29/11/03	AM	5	C20	<i>Trichosurus vulpecula</i>	1100	982009101265419		R						
29/11/03	AM	6	C02	<i>Isoodon auratus barromensis</i>	200	982009101236881			66.1	16.3	21.7		M	
29/11/03	AM	6	E23	<i>Isoodon auratus barromensis</i>	210	982009101237480			65.1	15.6	22.3		M	
29/11/03	AM	6	E06	<i>Isoodon auratus barromensis</i>	180	982009101244207			61				F	2x10mm
29/11/03	AM	6	E24	<i>Isoodon auratus barromensis</i>	280	982009101261234			63.5				F	1x70mm
29/11/03	AM	6	C12	<i>Isoodon auratus barromensis</i>	260	982009101357885			66.6	18.3	22.7		M	
29/11/03	AM	6	C11	<i>Isoodon auratus barromensis</i>	250	982009101447290			64.3	13.9	19.9		M	
29/11/03	AM	6	E02	<i>Isoodon auratus barromensis</i>	180	982009101450647			62.2				F	1x20mm
29/11/03	AM	6	E07	<i>Isoodon auratus barromensis</i>	160	982009101450647		R	62.5				FV	
29/11/03	AM	6	E05	<i>Isoodon auratus barromensis</i>	240	982009101453358			69.9	16.1	20.9		M	
29/11/03	AM	6	P24	<i>Pseudantechinus royi</i>	26		10		33.5				F	6x
30/11/03	AM	1	C19	<i>Bettongia lesueur</i>		982009101139931	AS1417	R						
30/11/03	AM	1	C20	<i>Bettongia lesueur</i>	850	982009100985920	AS1973	N					M	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
30/11/03	AM	1	E19	<i>Isoodon auratus barromensis</i>	240	982009100613438		R						
30/11/03	AM	1	C21	<i>Isoodon auratus barromensis</i>	230	982009100664874		R						
30/11/03	AM	1	E24	<i>Isoodon auratus barromensis</i>	305	982009100713545		R						
30/11/03	AM	1	C17	<i>Isoodon auratus barromensis</i>	220	982009101218191								
30/11/03	AM	1	C24	<i>Isoodon auratus barromensis</i>	260	982009101237149								
30/11/03	AM	1	C02	<i>Isoodon auratus barromensis</i>	250	982009101238585								
30/11/03	AM	1	C15	<i>Isoodon auratus barromensis</i>	340	982009101243648								
30/11/03	AM	1	E20	<i>Isoodon auratus barromensis</i>	245	982009101244635		N						
30/11/03	AM	1	E11	<i>Isoodon auratus barromensis</i>	270	982009101258412		N						
30/11/03	AM	1	E17	<i>Isoodon auratus barromensis</i>	300	982009101259959								
30/11/03	AM	1	E21	<i>Isoodon auratus barromensis</i>	290	982009101266038		R						
30/11/03	AM	1	C25	<i>Isoodon auratus barromensis</i>	325	982009101267297		R					M	
30/11/03	AM	1	E05	<i>Isoodon auratus barromensis</i>	280	982009101357359							F	1x70mm
30/11/03	AM	1	E18	<i>Isoodon auratus barromensis</i>	280	982009101359995							F	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
30/11/03	AM	1	E15	<i>Isoodon auratus barrovensis</i>	270	982009101453040			65.8				F	2x50mm
30/11/03	AM	1	C22	<i>Pseudomys nannus</i>	53		1		34.1				F	
30/11/03	AM	1	C05	<i>Trichosurus macrourus</i>	1000	982009101237580	AS1309		75.4				F	
30/11/03	AM	2	E20	<i>Isoodon auratus barrovensis</i>	225	982009100613872		R						
30/11/03	AM	2	C21	<i>Isoodon auratus barrovensis</i>	255	982009100618982		R						
30/11/03	AM	2	E24	<i>Isoodon auratus barrovensis</i>	245	982009100660088		R						
30/11/03	AM	2	C18	<i>Isoodon auratus barrovensis</i>	225	982009100677956		R						
30/11/03	AM	2	E12	<i>Isoodon auratus barrovensis</i>	265	982009100689973		R						
30/11/03	AM	2	E21	<i>Isoodon auratus barrovensis</i>	240	982009100693687		R						
30/11/03	AM	2	E03	<i>Isoodon auratus barrovensis</i>	180	982009100702357		R						
30/11/03	AM	2	E02	<i>Isoodon auratus barrovensis</i>	290	982009100708906		R					F	
30/11/03	AM	2	E17	<i>Isoodon auratus barrovensis</i>	315	982009100819380		R						
30/11/03	AM	2	C12	<i>Isoodon auratus barrovensis</i>	270	982009101224743			67				F	
30/11/03	AM	2	C01	<i>Isoodon auratus barrovensis</i>	210	982009101245501			61.7	14.9	21.9		M	
30/11/03	AM	2	E05	<i>Isoodon auratus barrovensis</i>	290	982009101351583			67.5	16.6	23.2		M	

Date	Time	Grid	Trap	Species	WT	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
30/11/03	AM	2	C25	<i>Isoodon auratus barromensis</i>	245	982009101455058	R							
30/11/03	AM	2	C06	<i>Lagorchestes conspicillatus</i>	4500	982009101355704		99.2					F	1x70mm
30/11/03	AM	2	C16	<i>Trichosurus vulpecula</i>	1150	982009101260761	AS1306	R						
30/11/03	AM	2	C11	<i>Trichosurus vulpecula</i>	1200	982009101354895	AS1310						F	
30/11/03	AM	2	C20	<i>Trichosurus vulpecula</i>	1100	982009101446496		R						
30/11/03	AM	3	C23	<i>Bettongia lesueur</i>	875	982009101237492							M	
30/11/03	AM	3	C05	<i>Bettongia lesueur</i>	950	982009101354867	AS1441						F	1x20mm
30/11/03	AM	3	C01	<i>Isoodon auratus barromensis</i>	280	982009100699086		R						
30/11/03	AM	3	E17	<i>Isoodon auratus barromensis</i>	280	982009101218854							M	
30/11/03	AM	3	C07	<i>Isoodon auratus barromensis</i>	260	982009101220313		R						
30/11/03	AM	3	C06	<i>Isoodon auratus barromensis</i>	195	982009101238985							M	
30/11/03	AM	3	E10	<i>Isoodon auratus barromensis</i>	235	982009101243662		R					M	
30/11/03	AM	3	EE20	<i>Isoodon auratus barromensis</i>	195	982009101245099							F	2x20mm
30/11/03	AM	3	E21	<i>Isoodon auratus barromensis</i>	280	982009101257730								
30/11/03	AM	3	C12	<i>Isoodon auratus barromensis</i>	215	982009101352830							F	
30/11/03	AM	3	C16	<i>Isoodon auratus barromensis</i>	260	982009101356856		R					M	
30/11/03	AM	3	C25	<i>Trichosurus vulpecula</i>	1200	982009101261220	AS1308						M	

Date	Time	Grid	Trap	Species	WT	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
30/11/03	AM	3	C02	<i>Trichosurus vulpecula</i>	1050	982009101361303	AS1307	R						
30/11/03	AM	3	C20	<i>Trichosurus vulpecula</i>	1300	No PIT	Ear punch					M		
30/11/03	AM	3	C08	<i>Zyzomys argurus</i>	53.1				37				F	
30/11/03	AM	6	C13	<i>Isoodon auratus baronensis</i>	160	451740		R						
30/11/03	AM	6	E07	<i>Isoodon auratus baronensis</i>	190	982009101236881		R						
30/11/03	AM	6	E18	<i>Isoodon auratus baronensis</i>	215	982009101241467			64.1	16.7	23.8		M	
30/11/03	AM	6	E16	<i>Isoodon auratus baronensis</i>	180	982009101244207		R						
30/11/03	AM	6	E11	<i>Isoodon auratus baronensis</i>	250	982009101261234		R					F	
30/11/03	AM	6	E23	<i>Isoodon auratus baronensis</i>	200	982009101352288			62.3	13.5	21.8		M	
30/11/03	AM	6	C12	<i>Isoodon auratus baronensis</i>	240	982009101355689			67.6				F	
30/11/03	AM	6	C05	<i>Isoodon auratus baronensis</i>	180	982009101450647		R						
30/11/03	AM	6	C07	<i>Isoodon auratus baronensis</i>	185	982009101451260			62.9				FV	
30/11/03	AM	6	C02	<i>Isoodon auratus baronensis</i>	225	982009101453358		R						
30/11/03	AM	6	C10	<i>Lagorchestes conspicillatus</i>		982009101259860			96.8	21.2	23.2		M	
16/10/04	AM	3	C5	<i>Bettongia lesueur</i>	820	982F0091 - 01549647			73.8		19		M	
16/10/04	AM	3	C16	<i>Isoodon auratus baronensis</i>	220	982F0091 - 01326492			56.5		20		M	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
16/10/04	AM	3	E19	<i>Isoodon auratus barrovensis</i>	320	982F0091 - 01352830	R					F	PY	
16/10/04	AM	3	C4	<i>Isoodon auratus barrovensis</i>	250	982F0091 - 0135753	R	64.5				F	NPY	
16/10/04	AM	3	C12	<i>Isoodon auratus barrovensis</i>	440	982F0091 - 01373856		67		20		M		
16/10/04	AM	3	C15	<i>Isoodon auratus barrovensis</i>	245	982F0091 - 01452045	R	65				F	NPY	
16/10/04	AM	3	E24	<i>Isoodon auratus barrovensis</i>	255	982F0091 - 01547921		63				F	NPY	
16/10/04	AM	3	E5	<i>Isoodon auratus barrovensis</i>	220	982F0091 - 01658924		64				F	NPY	
16/10/04	AM	3	C25	<i>Isoodon auratus barrovensis</i>	320	982F0091 - 01659656		72		24		M		
16/10/04	AM	3	E25	<i>Isoodon auratus barrovensis</i>	340	982F0091 - 01667298		65		22		M		
16/10/04	AM	3	C19	<i>Lagorhestes conspicillatus</i>	2500	982F0091 - 01547863		84		22		M		
16/10/04	AM	3	C24	<i>Trichosurus vulpecula</i>	1400	982F0091 - 01670060		77		36		M		
16/10/04	AM	4	C13	<i>Bettongia lesuerii</i>	690	982F0091 - 01166621	R	64		18		M		
16/10/04	AM	4	E12	<i>Isoodon auratus barrovensis</i>	350	982F0091 - 01259441	R					F	PY	
16/10/04	AM	4	E8	<i>Isoodon auratus barrovensis</i>	345	982F0091 - 01261225	R	70		23		M		
16/10/04	AM	4	E17	<i>Isoodon auratus barrovensis</i>	354	982F0091 - 01261450	R	65				F	NPY	
16/10/04	AM	4	E25	<i>Isoodon auratus barrovensis</i>	365	982F0091 - 01360729	R						2+ PY dropped	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
16/10/04	AM 4	C17	<i>Isoodon auratus barromensis</i>	425	982F0091 - 01446012		R	68		20			M	
16/10/04	AM 4	C9	<i>Isoodon auratus barromensis</i>	305	982F0091 - 01451826		R					F	Large PY	
16/10/04	AM 4	E5	<i>Pseudomys nannus fusciventer</i>	65		#16		36.1		11		M		Scrotal testes
16/10/04	AM 4	P20	<i>Pseudomys nannus fusciventer</i>	12.5		#17		29.7					Juv	
16/10/04	AM 4	P23	<i>Pseudomys nannus fusciventer</i>	10		#18		24.4				M		Juv
16/10/04	AM 4	E23	<i>Pseudomys nannus fusciventer</i>	53	no data									
16/10/04	AM 4	C7	<i>Trichosurus vulpecula</i>	1150	982F0091 - 01222180		R	69.4				F	PY	
16/10/04	AM 4	C22	<i>Trichosurus vulpecula</i>	1370	982F0091 - 01357271	ear tag 304	R	78		28		M		
16/10/04	AM 4	C5	<i>Trichosurus vulpecula</i>	1005	982F0091 - 01598296		R	73		21		M		
16/10/04	AM 5	E9	<i>Isoodon auratus barromensis</i>	165		#16		59				F	NPY	
16/10/04	AM 5	E22	<i>Isoodon auratus barromensis</i>	95		#17		47		6		M		
16/10/04	AM 5	E12	<i>Isoodon auratus barromensis</i>	280	982F0091 - 01222158		R	65				F	NPY - pouch active	
16/10/04	AM 5	E6	<i>Isoodon auratus barromensis</i>	290	982F0091 - 01243648		R	67				F	NPY	
16/10/04	AM 5	E22	<i>Isoodon auratus barromensis</i>	365	982F0091 - 01245369		R	66		23		M		
16/10/04	AM 5	E21	<i>Isoodon auratus barromensis</i>	405	982F0091 - 01246696		R	72		22		M		

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young	
16/10/04	AM	5	C8	<i>Isoodon auratus barrovensis</i>	400	982F0091 - 01264875		R	70		24		M		
16/10/04	AM	5	E24	<i>Isoodon auratus barrovensis</i>	342	982F0091 - 01381631			60		21		M		
16/10/04	AM	5	E10	<i>Isoodon auratus barrovensis</i>	198	982F0091 - 01521525			61		16		M		
16/10/04	AM	5	E11	<i>Isoodon auratus barrovensis</i>	310	982F0091 - 01657561			66		23		M		
16/10/04	AM	5	C4	<i>Lagorchestes conspicillatus</i>		982F0091 - 01483584			84				F	NPY	
16/10/04	AM	5	C20	<i>Lagorchestes conspicillatus</i>	2900	982F0091 - 01524714							F	PY	
16/10/04	AM	5	E3	<i>Pseudomys nannus ferulinus</i>	12.5		#16			26			F	Juv	
16/10/04	AM	5	E13	<i>Pseudomys nannus ferulinus</i>	53	not marked									
16/10/04	AM	5	C22	<i>Trichosurus vulpecula</i>	1400	982F0091 - 01480090			69		27		M		
16/10/04	AM	5	C2	<i>Trichosurus vulpecula</i>		982F0091 - 01541399			82.5		26		M		
16/10/04	AM	5	C5	<i>Trichosurus vulpecula</i>	1185	982F0091 - 01546680			83		26		M		
17/10/04	AM	3	C19	<i>Bettongia lesueur</i>	665	982F0091 - 01060164	AS 1449	R	63		16		M		
17/10/04	AM	3	C15	<i>Bettongia lesueur</i>	440	982F0091 - 01166229			58		9		M		
17/10/04	AM	3	C25	<i>Bettongia lesueur</i>	790	982F0091 - 01243943		R	65		20		M		
17/10/04	AM	3	C17	<i>Bettongia lesueur</i>	761	982F0091 - 01319916			64		21		M		
17/10/04	AM	3	C4	<i>Isoodon auratus barrovensis</i>	144		#16			59		6		M	
17/10/04	AM	3	E24	<i>Isoodon auratus barrovensis</i>	160		#17			56.5		8		M	
17/10/04	AM	3	E12	<i>Isoodon auratus barrovensis</i>	170		#18			57			F	virgin pouch	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
17/10/04	AM	3	C11	<i>Isoodon auratus barromensis</i>	415	982F0091 - 00699086		R	73		22		M	
17/10/04	AM	3	E22	<i>Isoodon auratus barromensis</i>	270	982F0091 - 00701643		R	63				F	lactating
17/10/04	AM	3	E23	<i>Isoodon auratus barromensis</i>	270	982F0091 - 01061756			63				M	
17/10/04	AM	3	C9	<i>Isoodon auratus barromensis</i>	250	982F0091 - 01066534			60		20		M	
17/10/04	AM	3	E10	<i>Isoodon auratus barromensis</i>	375	982F0091 - 01193845			69		24		M	
17/10/04	AM	3	E15	<i>Isoodon auratus barromensis</i>	230	982F0091 - 01357653		R	61				F	post-lactating
17/10/04	AM	3	C8	<i>Isoodon auratus barromensis</i>	235	982F0091 - 01452045		R	58				F	post-lactating
17/10/04	AM	3	C5	<i>Isoodon auratus barromensis</i>	253	982F0091 - 01522276			59				F	
17/10/04	AM	3	C23	<i>Isoodon auratus barromensis</i>	310	982F0091 - 01659656		R	65.5		21		M	
17/10/04	AM	3	E25	<i>Isoodon auratus barromensis</i>	350	982F0091 - 01667298		R	68		21		M	
17/10/04	AM	3	E3	<i>Isoodon auratus barromensis</i>	274	982F0091 - 01671400			57				F	Post lactating
17/10/04	AM	3	C7	<i>Lagorchestes conspicillatus</i>	not marked - escaped									
17/10/04	AM	4	E21	<i>Isoodon auratus barromensis</i>	200		#18		63				M	
17/10/04	AM	4	E10	<i>Isoodon auratus barromensis</i>	265	982F0091 - 01162211			64		24		M	
17/10/04	AM	4	C11	<i>Isoodon auratus barromensis</i>	335	982F0091 - 0117374			66		21		M	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young	
17/10/04	AM 4	C5	<i>Isoodon auratus barrenensis</i>	340	982F0091 - 01259441		R	64				F		PY	
17/10/04	AM 4	E14	<i>Isoodon auratus barrenensis</i>	340	982F0091 - 01261450		R	63				F		NPY - recently used	
17/10/04	AM 4	C20	<i>Isoodon auratus barrenensis</i>	265	982F0091 - 01264928		R	59				F		PY	
17/10/04	AM 4	E15	<i>Isoodon auratus barrenensis</i>	355	982F0091 - 01360729		R	64				F		PY	
17/10/04	AM 4	E13	<i>Isoodon auratus barrenensis</i>	300	982F0091 - 01451826		R	63				F		PY	
17/10/04	AM 4	E7	<i>Pseudomys nanus fuscivittis</i>	40		#20							F		NPY - lactating
17/10/04	AM 4	C7	<i>Trichosurus vulpecula</i>	635	982F0091 - 01024279								M		
17/10/04	AM 4	C17	<i>Trichosurus vulpecula</i>	1040	982F0091 - 01180577								F		PY
17/10/04	AM 4	C10	<i>Trichosurus vulpecula</i>	1300	982F0091 - 01357271	ear tag 304 R							M		
17/10/04	AM 5	C13	<i>Bettongia lesueur</i>	865	982F0091 - 01358381		R	67					M		
17/10/04	AM 5	E22	<i>Isoodon auratus barrenensis</i>	95		#16	R	49					M		
17/10/04	AM 5	E18	<i>Isoodon auratus barrenensis</i>	170		#18							F		virgin pouch
17/10/04	AM 5	E12	<i>Isoodon auratus barrenensis</i>	195	982F0091 - 01018809								M		
17/10/04	AM 5	E21	<i>Isoodon auratus barrenensis</i>	210	982F0091 - 01154506								F		virgin pouch
17/10/04	AM 5	E16	<i>Isoodon auratus barrenensis</i>	225	982F0091 - 01175495								M		
17/10/04	AM 5	E6	<i>Isoodon auratus barrenensis</i>	275	982F0091 - 01243648		R	68				F		NPY	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
17/10/04	AM	5	C4	<i>Isoodon auratus barrenensis</i>	380	982F0091 - 01246696	R	73		24			M	
17/10/04	AM	5	E24	<i>Isoodon auratus barrenensis</i>	315	982F0091 - 01258127	R	66				F	PY	
17/10/04	AM	5	C5	<i>Isoodon auratus barrenensis</i>	385	982F0091 - 01264875	R	69		22			M	
17/10/04	AM	5	E19	<i>Isoodon auratus barrenensis</i>	450	982F0091 - 01267297	R	76		23			M	
17/10/04	AM	5	E1	<i>Isoodon auratus barrenensis</i>	395	982F0091 - 01267637	R	70		18			M	
17/10/04	AM	5	E3	<i>Isoodon auratus barrenensis</i>	270	982F0091 - 01337805		62.5		37		F	recently used pouch	
17/10/04	AM	5	E25	<i>Isoodon auratus barrenensis</i>	245	982F0091 - 01352703	R	63				F	NPY - lactating	
17/10/04	AM	5	C25	<i>Isoodon auratus barrenensis</i>	290	982F0091 - 01354739	R	62.5				F	PY	
17/10/04	AM	5	E11	<i>Isoodon auratus barrenensis</i>	220	982F0091 - 01355080	R	64				F	NPY	
17/10/04	AM	5	E23	<i>Isoodon auratus barrenensis</i>	340	982F0091 - 01381631	R	65		23		M		
17/10/04	AM	5	C7	<i>Lagorchestes conspicillatus</i>	2400		#1		82			F	NPY - lactating	
17/10/04	AM	5	C11	<i>Lagorchestes conspicillatus</i>	3100		#3		99			F	Small PY	
17/10/04	AM	5	C12	<i>Lagorchestes conspicillatus</i>	3000		#5		97		24	M		
17/10/04	AM	5	C14	<i>Lagorchestes conspicillatus</i>	3000		#7		94			F	Small PY	
17/10/04	AM	5	C21	<i>Lagorchestes conspicillatus</i>	2650		#9		94			F	30mm PY	
17/10/04	AM	5	C22	<i>Lagorchestes conspicillatus</i>	unmar ked									

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
17/10/04	AM	5	E4	<i>Pseudomys nannus</i> <i>fervidinus</i>	70		#17		36.2	10			M	
17/10/04	AM	5	C1	<i>Trichosurus vulpecula</i>	1320	982F0091 - 01480090	R	72	22				M	
17/10/04	AM	5	C2	<i>Trichosurus vulpecula</i>	995	982F0091 - 01541399	R	75	33				M	
17/10/04	AM	5	C15	<i>Trichosurus vulpecula</i>		not marked							F	1xhalf grown young
17/10/04	AM	6	C21	<i>Isoodon auratus</i> <i>barrovensis</i>	450	982F0091 - 01236881	R	62	25				M	
17/10/04	AM	6	C1	<i>Isoodon auratus</i> <i>barrovensis</i>	182	982F0091 - 01327188		97					F	Not lactating
17/10/04	AM	6	C16	<i>Isoodon auratus</i> <i>barrovensis</i>	260	982F0091 - 01451260	R	68					F	PY
17/10/04	AM	6	E25	<i>Isoodon auratus</i> <i>barrovensis</i>	140?	982F0091 - 01451740	R						F	
17/10/04	AM	6	C24	<i>Isoodon auratus</i> <i>barrovensis</i>	320	982F0091 - 01453358	R	63	21				M	Post lactating
17/10/04	AM	6	E21	<i>Isoodon auratus</i> <i>barrovensis</i>	296	982F0091 - 01543154			68	23			M	
17/10/04	AM	6	C2	<i>Lagorchestes conspicillatus</i>	2500		#16		79	28			M	
17/10/04	AM	6	C10	<i>Lagorchestes conspicillatus</i>	2250		#18		91	26			M	
17/10/04	AM	6	C20	<i>Lagorchestes conspicillatus</i>	2300		#20		36				F	Large PY
17/10/04	AM	6	C20	<i>Lagorchestes conspicillatus</i>	45	N/A - Pouch young of #20 - dec.							F	
17/10/04	AM	6	C4	<i>Trichosurus vulpecula</i>	1025	982F0091 - 01377159			98	32			M	
18/10/04	AM	1	E3	<i>Isoodon auratus</i> <i>barrovensis</i>	275	982F0091 - 00664874	R	65					F	inactive pouch

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
18/10/04	AM	1	E2	<i>Isoodon auratus barrovensis</i>	245	982F0091 - 00671145		R	65				F	no pouch young
18/10/04	AM	1	E19	<i>Isoodon auratus barrovensis</i>	280	982F0091 - 00681581		R	56.5				F	inactive pouch
18/10/04	AM	1	C8	<i>Isoodon auratus barrovensis</i>	380	982F0091 - 00690840		R	71		22		M	
18/10/04	AM	1	C20	<i>Isoodon auratus barrovensis</i>	330	982F0091 - 00713545		R	68				F	post lactating
18/10/04	AM	1	C3	<i>Isoodon auratus barrovensis</i>	320	982F0091 - 01164936			64.5		21		M	
18/10/04	AM	1	C5	<i>Isoodon auratus barrovensis</i>	380	982F0091 - 01221296		R	71		23		M	
18/10/04	AM	1	C13	<i>Isoodon auratus barrovensis</i>	260	982F0091 - 01243048		R	65				F	inactive pouch
18/10/04	AM	1	E6	<i>Isoodon auratus barrovensis</i>	300	982F0091 - 01244635		R	67				F	inactive pouch
18/10/04	AM	1	E7	<i>Isoodon auratus barrovensis</i>	265	982F0091 - 01338730			61		20		M	
18/10/04	AM	1	E5	<i>Isoodon auratus barrovensis</i>	310	982F0091 - 01453040		R	59				F	post lactating
18/10/04	AM	1	E8	<i>Isoodon auratus barrovensis</i>		not marked								
18/10/04	AM	1	C6	<i>Lagorchestes conspicillatus</i>	2950		#24		94		28		M	
18/10/04	AM	1	C17	<i>Trichosurus vulpecula</i>	335		#16		59				F	
18/10/04	AM	1	C16	<i>Trichosurus vulpecula</i>	1080	982F0091 - 01062845			73				F	pouch young
18/10/04	AM	1	C18	<i>Trichosurus vulpecula</i>	1090	982F0091 - 01067100			81				F	lactating
18/10/04	AM	1	C1	<i>Trichosurus vulpecula</i>	860	982F0091 - 01237580		R					F	pouch young

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
18/10/04	AM	1	C9	<i>Trichosurus vulpecula</i>	not marked									
18/10/04	AM	2	C2	<i>Isoodon auratus barromensis</i>	982F0091 - 00613872	R						F	pouch young	
18/10/04	AM	2	C21	<i>Isoodon auratus barromensis</i>	390	982F0091 - 00618982	R	73				M		
18/10/04	AM	2	E17	<i>Isoodon auratus barromensis</i>	315	982F0091 - 00660088	R	66				F	post lactating	
18/10/04	AM	2	C16	<i>Isoodon auratus barromensis</i>	405	982F0091 - 00677956	R	71				M		
18/10/04	AM	2	C23	<i>Isoodon auratus barromensis</i>	350	982F0091 - 00689973	R	60				F	no pouch young	
18/10/04	AM	2	E16	<i>Isoodon auratus barromensis</i>	305	982F0091 - 00693687	R	65				F	post lactating	
18/10/04	AM	2	C18	<i>Isoodon auratus barromensis</i>	395	982F0091 - 00819380	R	69				M		
18/10/04	AM	2	E9	<i>Isoodon auratus barromensis</i>	285	982F0091 - 01034150						M		
18/10/04	AM	2	E25	<i>Isoodon auratus barromensis</i>	210	982F0091 - 01169022						M		
18/10/04	AM	2	C17	<i>Isoodon auratus barromensis</i>	480	982F0091 - 01258734	R	75				M		
18/10/04	AM	2	C5	<i>Isoodon auratus barromensis</i>	470	982F0091 - 01351996	R	74				M		
18/10/04	AM	2	E20	<i>Isoodon auratus barromensis</i>		982F0091 - 01445505	R						large pouch young	
18/10/04	AM	2	C3	<i>Lagorchestes conspicillatus</i>	2880		#26					M		
18/10/04	AM	3	C12	<i>Bettongia lesueur</i>	900	982F0091 - 01261952	R	66				F	small pouch young	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
18/10/04	AM	3	C5	<i>Bettongia lesuer</i>		not marked							F	
18/10/04	AM	3	C25	<i>Isoodon auratus</i> <i>barromensis</i>	300		#32	R	68		20		M	
18/10/04	AM	3	C15	<i>Isoodon auratus</i> <i>barromensis</i>	135		#64		54				F	virgin pouch
18/10/04	AM	3	C8	<i>Isoodon auratus</i> <i>barromensis</i>	420	982F0091 - 00699086	R						M	
18/10/04	AM	3	C11	<i>Isoodon auratus</i> <i>barromensis</i>	325	982F0091 - 01021009			64		22		M	
18/10/04	AM	3	E16	<i>Isoodon auratus</i> <i>barromensis</i>	235	982F0091 - 01038424			61				F	post lactating
18/10/04	AM	3	C9	<i>Isoodon auratus</i> <i>barromensis</i>	275	982F0091 - 01154140			58		21		M	
18/10/04	AM	3	C4	<i>Isoodon auratus</i> <i>barromensis</i>	285	982F0091 - 01219142	R	64.5					F	post lactating
18/10/04	AM	3	E10	<i>Isoodon auratus</i> <i>barromensis</i>	230	982F0091 - 01241645			R	63.5			F	post lactating
18/10/04	AM	3	C19	<i>Isoodon auratus</i> <i>barromensis</i>	300	982F0091 - 01261312			R	62.5			F	post lactating
18/10/04	AM	3	E18	<i>Isoodon auratus</i> <i>barromensis</i>	320	982F0091 - 01352830	R							
18/10/04	AM	3	C7	<i>Isoodon auratus</i> <i>barromensis</i>	320	982F0091 - 01373856	R							
18/10/04	AM	3	C24	<i>Isoodon auratus</i> <i>barromensis</i>	310	982F0091 - 01659656	R						M	
18/10/04	AM	3	C23	<i>Isoodon auratus</i>	295	not marked					60		F	large pouch young
18/10/04	AM	3	C6	<i>Trichosurus vulpecula</i>	1000	982F0091 - 01192067			67				M	

Date	Time	Grid	Trap	Species	WT	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
18/10/04	AM 3	C16	Triboonurus nifenza	1320	982F0091 - 01261220		R	74		32		M		
18/10/04	AM 4	C13	Bettongia lesueur	700	982F0091 - 01178882			68		15		M		
18/10/04	AM 4	E22	<i>Isoodon auratus</i> <i>barrovensis</i>	115		#16						F	virgin pouch	
18/10/04	AM 4	E25	<i>Isoodon auratus</i> <i>barrovensis</i>	205		#18	R							
18/10/04	AM 4	E2	<i>Isoodon auratus</i> <i>barrovensis</i>	168		#19								
18/10/04	AM 4	E8	<i>Isoodon auratus</i> <i>barrovensis</i>	260	982F0091 - 01162211	R								
18/10/04	AM 4	E21	<i>Isoodon auratus</i> <i>barrovensis</i>	265	982F0091 - 01162442			56				F	post lactating	
18/10/04	AM 4	E18	<i>Isoodon auratus</i> <i>barrovensis</i>	345	982F0091 - 01173374							M		
18/10/04	AM 4	E4	<i>Isoodon auratus</i> <i>barrovensis</i>	343	982F0091 - 01261450	R						F		
18/10/04	AM 4	E23	<i>Isoodon auratus</i> <i>barrovensis</i>	260	982F0091 - 01263196			63				F	post lactating	
18/10/04	AM 4	E20	<i>Isoodon auratus</i> <i>barrovensis</i>	260	982F0091 - 01264928	R						F		
18/10/04	AM 4	C11	<i>Isoodon auratus</i> <i>barrovensis</i>	260	982F0091 - 01337600							F	virgin pouch	
18/10/04	AM 4	C10	<i>Isoodon auratus</i> <i>barrovensis</i>	355	982F0091 - 01360729	R						F		
18/10/04	AM 4	E12	<i>Isoodon auratus</i> <i>barrovensis</i>	430	982F0091 - 01446012	R						M		
18/10/04	AM 4	C5	<i>Isoodon auratus</i> <i>barrovensis</i>	295	982F0091 - 01451826	R						F		

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
18/10/04	AM 4	P17	<i>Pseudomys nannus ferulatus</i>			#18	R	24					F	
18/10/04	AM 4	E19	<i>Pseudomys nannus ferulatus</i>	55		#3		33.5	12			M		
18/10/04	AM 4	E3	<i>Pseudomys nannus ferulatus</i>	35		torn between #2 and #3		28.7				M		
18/10/04	AM 4	C6	<i>Trichosurus vulpecula</i>	650	982F0091 - 01024279		R					M		
18/10/04	AM 4	C17	<i>Trichosurus vulpecula</i>	1200	982F0091 - 01222180		R					F		
18/10/04	AM 4	C1	<i>Trichosurus vulpecula</i>	960	982F0091 - 01262018		R	68.5				F	pouch young	
18/10/04	AM 4	C9	<i>Trichosurus vulpecula</i>	1400	982F0091 - 01357271		R							
18/10/04	AM 4	C19	<i>Trichosurus vulpecula</i>	1100	982F0091 - 01598396		R	67	28			M		
18/10/04	AM 5	C14	<i>Bettongia lesuerii</i>	860	982F0091 - 01033357			66				M		
18/10/04	AM 5	C8	<i>Bettongia lesuerii</i>	920	982F0091 - 0135881		R							
18/10/04	AM 5	E4	<i>Isoodon auratus barronensis</i>	165		#20 (could be #18)	R	53.5				F	no pouch young	
18/10/04	AM 5	C7	<i>Isoodon auratus barronensis</i>	210		#64		61				F	pouch young	
18/10/04	AM 5	E25	<i>Isoodon auratus barronensis</i>	145		#64		53				F	virgin pouch	
18/10/04	AM 5	E22	<i>Isoodon auratus barronensis</i>	235	982F0091 - 01222158		R					F		
18/10/04	AM 5	E11	<i>Isoodon auratus barronensis</i>	360	982F0091 - 01245369		R							
18/10/04	AM 5	E8	<i>Isoodon auratus barronensis</i>	425	982F0091 - 01246696		R							

Date	Time	Grid	Trap	Species	WT	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
18/10/04	AM	5	E3	<i>Isoodon auratus barrovensis</i>	380	982F0091 - 01264875		R						
18/10/04	AM	5	C12	<i>Isoodon auratus barrovensis</i>	270	982F0091 - 01266837		R	67			F	post lactating	
18/10/04	AM	5	C19	<i>Isoodon auratus barrovensis</i>	420	982F0091 - 01267297		R	72			M		
18/10/04	AM	5	E2	<i>Isoodon auratus barrovensis</i>	380	982F0091 - 01267337		R						
18/10/04	AM	5	E12	<i>Isoodon auratus barrovensis</i>	270	982F0091 - 01337805		R						
18/10/04	AM	5	E24	<i>Isoodon auratus barrovensis</i>	325	982F0091 - 01381631		R				M		
18/10/04	AM	5	C25	<i>Isoodon auratus barrovensis</i>	355	982F0091 - 01454810		R	64			M		
18/10/04	AM	5	P21	<i>Planigale</i> sp.	11.5		#16		24.1			M		
18/10/04	AM	5	E7	<i>Pseudomys nannus ferulimus</i>	52		#18		32.4			F	post lactating	
18/10/04	AM	5	E13	<i>Pseudomys nannus ferulimus</i>	50		#19		32.8			M		
18/10/04	AM	5	C15	<i>Trichosurus vulpecula</i>	1100	982F0091 - 01060146			75			M		
18/10/04	AM	5	C20	<i>Trichosurus vulpecula</i>	1200	982F0091 - 01069349			77			M		
18/10/04	AM	5	P14	<i>Trichosurus vulpecula</i>	260	982F0091 - 01069611			59					
18/10/04	AM	5	C16	<i>Trichosurus vulpecula</i>	1280	982F0091 - 01480090		R	77			M		
18/10/04	AM	5	C11	<i>Trichosurus vulpecula</i>	1000	982F0091 - 01541399		R						
18/10/04	AM	6	C11	<i>Bettongia lesuerii</i>	840	982F0091 - 01237987		R	66			M		
18/10/04	AM	6	C1	<i>Isoodon auratus barrovensis</i>	235		#17		64			F	pouch young	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
18/10/04	AM	6	C16	<i>Isoodon auratus barrovensis</i>	190		#18		63	20			M	
18/10/04	AM	6	E11	<i>Isoodon auratus barrovensis</i>	330	982F0091 - 01035190		64	21				M	
18/10/04	AM	6	C6	<i>Isoodon auratus barrovensis</i>	355	982F0091 - 01059827		70	23				M	
18/10/04	AM	6	C12	<i>Isoodon auratus barrovensis</i>	210	982F0091 - 011191384	R	60	21				M	
18/10/04	AM	6	E25	<i>Isoodon auratus barrovensis</i>	420	982F0091 - 01236881	R							
18/10/04	AM	6	C5	<i>Isoodon auratus barrovensis</i>	350	982F0091 - 01237480	R	69.5	23				M	
18/10/04	AM	6	C19	<i>Isoodon auratus barrovensis</i>	395	982F0091 - 01241467	R	66	23				M	
18/10/04	AM	6	E4	<i>Isoodon auratus barrovensis</i>	285	982F0091 - 01261234	R						F	pouch young
18/10/04	AM	6	E16	<i>Isoodon auratus barrovensis</i>	232	982F0091 - 01327188	R	61					F	no pouch young
18/10/04	AM	6	E6	<i>Isoodon auratus barrovensis</i>	310	982F0091 - 01448585	R	69	22				M	
18/10/04	AM	6	E22	<i>Isoodon auratus barrovensis</i>	260	982F0091 - 01451260	R							
18/10/04	AM	6	E19	<i>Isoodon auratus barrovensis</i>	298	982F0091 - 01451740	R	60						
18/10/04	AM	6	E21	<i>Isoodon auratus barrovensis</i>	330	982F0091 - 01453558	R							
18/10/04	AM	6	E23	<i>Isoodon auratus barrovensis</i>	315	982F0091 - 01543154	R							
18/10/04	AM	6	C25	<i>Lagorchestes conspicillatus</i>	2450		#16	R						

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
18/10/04	AM	6	C13	<i>Lagorhestes conspicillatus</i>	2350		#20	R					F	no pouch young
18/10/04	AM	6	C24	<i>Lagorhestes conspicillatus</i>	2150		#22		88				F	small pouch young
18/10/04	AM	6	C4	<i>Trichosurus vulpecula</i>	1150	982F0091 - 01332594			81				F	post lactating
18/10/04	AM	6	C21	<i>Trichosurus vulpecula</i>	980	982F0091 - 01377759	R							
19/10/04	AM	1	E11	<i>Isoodon auratus barrovensis</i>	310		#16						F	pouch young
19/10/04	AM	1	E7	<i>Isoodon auratus barrovensis</i>		982F0091 - 00664874	R							
19/10/04	AM	1	C15	<i>Isoodon auratus barrovensis</i>		982F0091 - 00681581	R							
19/10/04	AM	1	E6	<i>Isoodon auratus barrovensis</i>		982F0091 - 00690840	R							
19/10/04	AM	1	E14	<i>Isoodon auratus barrovensis</i>		982F0091 - 00713545	R							
19/10/04	AM	1	C8	<i>Isoodon auratus barrovensis</i>	225	982F0091 - 01059617		64					F	post lactating
19/10/04	AM	1	E2	<i>Isoodon auratus barrovensis</i>		982F0091 - 011164936	R							
19/10/04	AM	1	C13	<i>Isoodon auratus barrovensis</i>	225	982F0091 - 011180492			62				M	
19/10/04	AM	1	E5	<i>Isoodon auratus barrovensis</i>		982F0091 - 01221296	R							
19/10/04	AM	1	E9	<i>Isoodon auratus barrovensis</i>	382	982F0091 - 01241806	R	65					F	
19/10/04	AM	1	C5	<i>Isoodon auratus barrovensis</i>		982F0091 - 01244635	R							

Date	Time	Grid	Trap	Species	WT	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
19/10/04	AM	1	C3	<i>Isoodon auratus barromensis</i>	310	982F0091 - 01333353			70		22		M	
19/10/04	AM	1	E4	<i>Isoodon auratus barromensis</i>		982F0091 - 01453040	R							
19/10/04	AM	1	C21	<i>Isoodon auratus barromensis</i>										
19/10/04	AM	1	C7	<i>Trichosurus vulpecula</i>	1040	982F0091 - 01237580	R							
19/10/04	AM	1	C2	<i>Trichosurus vulpecula</i>	1040	982F0091 - 01340125			67		21		M	
19/10/04	AM	2	E24	<i>Isoodon auratus barromensis</i>	105		#16				50		F	
19/10/04	AM	2	C21	<i>Isoodon auratus barromensis</i>	325		#16		67.5		21		M	
19/10/04	AM	2	C1	<i>Isoodon auratus barromensis</i>		982F0091 - 00613872	R							
19/10/04	AM	2	E7	<i>Isoodon auratus barromensis</i>		982F0091 - 00660088	R							
19/10/04	AM	2	C3	<i>Isoodon auratus barromensis</i>	228	982F0091 - 01066536			66		21		M	
19/10/04	AM	2	E1	<i>Isoodon auratus barromensis</i>	320	982F0091 - 01266038	R	71.5				F	inactive pouch	
19/10/04	AM	2	E4	<i>Isoodon auratus barromensis</i>		982F0091 - 01351996	R							
19/10/04	AM	2	C4	<i>Isoodon auratus barromensis</i>		982F0091 - 01445505	R							
19/10/04	AM	2	C5	<i>Isoodon auratus barromensis</i>		982F0091 - 11034150	R							
19/10/04	AM	2	C11	<i>Isoodon auratus barromensis</i>		982F0091- 00618982	R							

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
19/10/04	AM	2	C16	<i>Isoodon auratus barrovensis</i>		982F0091- 00677956	R							
19/10/04	AM	2	C12	<i>Isoodon auratus barrovensis</i>		982F0091- 00689973	R							
19/10/04	AM	2	E16	<i>Isoodon auratus barrovensis</i>		982F0091- 00693687	R							
19/10/04	AM	2	E15	<i>Isoodon auratus barrovensis</i>	335	982F0091- 00702357	R	60				F		2 x PY
19/10/04	AM	2	C23	<i>Isoodon auratus barrovensis</i>		982F0091- 00819380	R							
19/10/04	AM	2	E21	<i>Isoodon auratus barrovensis</i>	485	982F0091- 01033775		71			23	M		
19/10/04	AM	2	E22	<i>Isoodon auratus barrovensis</i>		982F0091- 01037246					20	M		
19/10/04	AM	2	E19	<i>Isoodon auratus barrovensis</i>	250	982F0091- 01062890					62	F		Pre-lactating
19/10/04	AM	2	E13	<i>Isoodon auratus barrovensis</i>		982F0091- 01169022	R							
19/10/04	AM	2	E17	<i>Isoodon auratus barrovensis</i>		982F0091- 01258734	R							
19/10/04	AM	2	C15	<i>Lagorhestes conspicillatus</i>	2650		#32							lactating
19/10/04	AM	2	C15	<i>Lagorhestes conspicillatus</i>	480		#34							
19/10/04	AM	2	C24	<i>Trichosurus vulpecula</i>	1340	982F0091- 01220124	R				72	F		>1 PY
19/10/04	AM	2	C25	<i>Trichosurus vulpecula</i>	1190	982F0091- 01260761	R				74			M
19/10/04	AM	3	E18	<i>Bettongia lesueur</i>	400	982F0091- 01166229	R							
19/10/04	AM	3	C18	<i>Bettongia lesueur</i>	750	982F0091- 01319916	R							
19/10/04	AM	3	C17	<i>Bettongia lesueur</i>		982F0091- 01353434	R							

Date	Time	Grid	Trap	Species	WT	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
19/10/04	AM	3	C12	<i>Bettongia lesueur</i>	790	982F0091- 01549647		R						
19/10/04	AM	3	C9	<i>Bettongia lesueur</i>	940	982F0091- 01668970		69		27			M	
19/10/04	AM	3	C23	<i>Isoodon auratus barromensis</i>			#18	R					F	virgin pouch
19/10/04	AM	3	E3	<i>Isoodon auratus barromensis</i>	185		#65		57.5		8		M	
19/10/04	AM	3	E24	<i>Isoodon auratus barromensis</i>	165		#66		57		8		M	
19/10/04	AM	3	E17	<i>Isoodon auratus barromensis</i>	150		#68							
19/10/04	AM	3	E8	<i>Isoodon auratus barromensis</i>	410	982F0091- 00699086		R						
19/10/04	AM	3	E25	<i>Isoodon auratus barromensis</i>	215	982F0091- 01026853			60				F	small PY
19/10/04	AM	3	E2	<i>Isoodon auratus barromensis</i>	335	982F0091- 01066534		R						
19/10/04	AM	3	C15	<i>Isoodon auratus barromensis</i>	240	982F0091- 01154140		R						
19/10/04	AM	3	E22	<i>Isoodon auratus barromensis</i>	315	982F0091- 01171557			71		20		M	
19/10/04	AM	3	C25	<i>Isoodon auratus barromensis</i>	260	982F0091- 01190500			53.5				F	PY
19/10/04	AM	3	E9	<i>Isoodon auratus barromensis</i>	360	982F0091- 01218854		R	64		25		M	
19/10/04	AM	3	E4	<i>Isoodon auratus barromensis</i>	33	982F0091- 01219142		R					F	NPY
19/10/04	AM	3	C6	<i>Isoodon auratus barromensis</i>	355	982F0091- 01243662		R	60.5		21		M	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
19/10/04	AM	3	C13	<i>Isoodon auratus barborensis</i>	290	982F0091- 01261312		R						
19/10/04	AM	3	E11	<i>Isoodon auratus barborensis</i>	220	982F0091- 01326492		R						
19/10/04	AM	3	C2	<i>Isoodon auratus barborensis</i>	260	982F0091- 01327437			40.5			F	PY	
19/10/04	AM	3	C1	<i>Isoodon auratus barborensis</i>	265	982F0091- 01328303			59.5			F	NPY	
19/10/04	AM	3	E6	<i>Isoodon auratus barborensis</i>	255	982F0091- 01355127		R						
19/10/04	AM	3	E15	<i>Isoodon auratus barborensis</i>	240	982F0091- 01357653		R						
19/10/04	AM	3	E7	<i>Isoodon auratus barborensis</i>	295	982F0091- 01373856		R						
19/10/04	AM	3	C19	<i>Isoodon auratus barborensis</i>		982F0091- 01452045		R						
19/10/04	AM	3	E10	<i>Isoodon auratus barborensis</i>	270	982F0091- 01522376		R						
19/10/04	AM	3	E5	<i>Isoodon auratus barborensis</i>	245	982F0091- 01525412			59			F	Post-lactational	
19/10/04	AM	3	E20	<i>Isoodon auratus barborensis</i>	285	982F0091- 01547921		R						
19/10/04	AM	3	E1	<i>Isoodon auratus barborensis</i>	225	982F0091- 01656232			61	19		M		
19/10/04	AM	3	E16	<i>Isoodon auratus barborensis</i>	280	982F0091- 01657326			65			F	Post-lactational	
19/10/04	AM	3	E12	<i>Isoodon auratus barborensis</i>	230	982F0091- 01657750			56	17		M		

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
19/10/04	AM 3	E19	<i>Isoodon auratus barromensis</i>		982F0091- 01659656		R							
19/10/04	AM 3	E13	<i>Isoodon auratus barromensis</i>	205	982F0091- 01666093			60		22		M		
							#1 (big chunk - natural mark)							
19/10/04	AM 3	C21	<i>Lagorchestes conspicillatus</i>	3200									M	
19/10/04	AM 3	C11	<i>Trichosurus vulpecula</i>	1170	982F0091- 01261220		R						M	
19/10/04	AM 3	C5	<i>Trichosurus vulpecula</i>	990	982F0091- 01540851			74					M	
19/10/04	AM 4	E18	<i>Isoodon auratus barromensis</i>	200			#18	R					M	
19/10/04	AM 4	E8	<i>Isoodon auratus barromensis</i>	250	982F0091- 01162211		R						M	
19/10/04	AM 4	C17	<i>Isoodon auratus barromensis</i>	260	982F0091- 01162442		R						F	
													M	
19/10/04	AM 4	E11	<i>Isoodon auratus barromensis</i>	330	982F0091- 01173374		R							
19/10/04	AM 4	E3	<i>Isoodon auratus barromensis</i>	360	982F0091- 01259441		R							
19/10/04	AM 4	C9	<i>Isoodon auratus barromensis</i>	355	982F0091- 01261225		R							
19/10/04	AM 4	C20	<i>Isoodon auratus barromensis</i>	325	982F0091- 01261450		R							
19/10/04	AM 4	E24	<i>Isoodon auratus barromensis</i>	230	982F0091- 01263196		R							
19/10/04	AM 4	C24	<i>Isoodon auratus barromensis</i>	260	982F0091- 01264928		R							

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
19/10/04	AM 4	E7	<i>Isoodon auratus barrovensis</i>	265	982F0091- 01337600		R						F	
19/10/04	AM 4	E1	<i>Isoodon auratus barrovensis</i>	315	982F0091- 01357113		R	64					F	post-lactating
19/10/04	AM 4	C5	<i>Isoodon auratus barrovensis</i>	345	982F0091- 01360729		R						F	
19/10/04	AM 4	E6	<i>Isoodon auratus barrovensis</i>	260	982F0091- 01361694		R	65					F	2 x very small PY
19/10/04	AM 4	E21	<i>Isoodon auratus barrovensis</i>	425	982F0091- 01446012		R						M	
19/10/04	AM 4	E4	<i>Isoodon auratus barrovensis</i>	305	982F0091- 01451826		R						M	
19/10/04	AM 4	C7	<i>Isoodon auratus barrovensis</i>	225	982F0091- 01655481			59					M	
19/10/04	AM 4	E2	<i>Isoodon auratus barrovensis</i>	225	982F0091- 01661132			56					F	virgin pouch
19/10/04	AM 4	E24	<i>Isoodon auratus barrovensis</i>	285	982F0091- 01662579			60					M	
19/10/04	AM 4	C1	<i>Trichosurus vulpecula</i>	600	982F0091- 01024279		R							
19/10/04	AM 4	C13	<i>Trichosurus vulpecula</i>	920	982F0091- 01180577		R						F	
19/10/04	AM 4	EE22	<i>Trichosurus vulpecula</i>	1170	982F0091- 01222180		R						F	
19/10/04	AM 4	C11	<i>Trichosurus vulpecula</i>	1290	982F0091- 01357271		R						M	
19/10/04	AM 5	C5	<i>Bettongia lesueur</i>	630	982F0091- 01060164		R							
19/10/04	AM 5	C4	<i>Bettongia lesueur</i>	380	982F0091- 01166621		R							
19/10/04	AM 5	C9	<i>Bettongia lesueur</i>	870	982F0091- 01654682			70					M	
19/10/04	AM 5	E4	<i>Isoodon auratus barrovensis</i>	195	#19								M	
												58	9	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
19/10/04	AM	5	E10	<i>Isoodon auratus barrovensis</i>	135		#65		49		10		M	
19/10/04	AM	5	C8	<i>Isoodon auratus barrovensis</i>	195		#66		54		9		M	
19/10/04	AM	5	E15	<i>Isoodon auratus barrovensis</i>	200		#67		56		8		M	
19/10/04	AM	5	E19	<i>Isoodon auratus barrovensis</i>	195		#68		59				F	virgin pouch
19/10/04	AM	5	E17	<i>Isoodon auratus barrovensis</i>	165		#69		55				F	virgin pouch
19/10/04	AM	5	E7	<i>Isoodon auratus barrovensis</i>	210	982F0091- 01018809	R							
19/10/04	AM	5	E8	<i>Isoodon auratus barrovensis</i>	220	982F0091- 01175495	R		60		22		M	
19/10/04	AM	5	E25	<i>Isoodon auratus barrovensis</i>	280	982F0091- 012221505	R		60				F	small PY
19/10/04	AM	5	E22	<i>Isoodon auratus barrovensis</i>	270	982F0091- 01222158	R							
19/10/04	AM	5	C20	<i>Isoodon auratus barrovensis</i>	410	982F0091- 01246696	R						M	
19/10/04	AM	5	E23	<i>Isoodon auratus barrovensis</i>	310	982F0091- 01258127	R							
19/10/04	AM	5	E11	<i>Isoodon auratus barrovensis</i>	265	982F0091- 01266837	R							
19/10/04	AM	5	C22	<i>Isoodon auratus barrovensis</i>	430	982F0091- 01267297	R							
19/10/04	AM	5	E3	<i>Isoodon auratus barrovensis</i>	370	982F0091- 01267337	R						M	

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
19/10/04	AM 5	C12	<i>Isoodon auratus baronensis</i>	270	982F0091- 01337805		R							
19/10/04	AM 5	C24	<i>Isoodon auratus baronensis</i>	290	982F0091- 01354739		R							
19/10/04	AM 5	C25	<i>Isoodon auratus baronensis</i>	315	982F0091- 01381631		R							
19/10/04	AM 5	E13	<i>Isoodon auratus baronensis</i>		982F0091- 01541775			63.5						
19/10/04	AM 5	E18	<i>Isoodon auratus baronensis</i>	245	982F0091- 01670154			59					F	Large PY CR=20mm
19/10/04	AM 5	C7	<i>Lagorhestes conspicillatus</i>	2900		#3	R							
19/10/04	AM 5	C6	<i>Lagorhestes conspicillatus</i>	2950			#4 (natural mark)	96						
19/10/04	AM 5	P14	<i>Pseudomyshermannus</i>	35			#16	R					M	
19/10/04	AM 5	E1	<i>Pseudomyshermannus fernlinus</i>	10.5			#20						M	
19/10/04	AM 5	C10	<i>Trichosurus vulpecula</i>	1170	982F0091- 01069349		R							
19/10/04	AM 5	C2	<i>Trichosurus vulpecula</i>	890	982F0091- 01244679		R	78.5					F	NPY
19/10/04	AM 5	C15	<i>Trichosurus vulpecula</i>	990	982F0091- 01380569			79					F	
19/10/04	AM 5	C14	<i>Trichosurus vulpecula</i>	1210	982F0091- 01453702		R	75					M	
19/10/04	AM 5	C11	<i>Trichosurus vulpecula</i>	1250	982F0091- 01480090		R							
19/10/04	AM 6	C1	<i>Isoodon auratus baronensis</i>	255			#16	R						
19/10/04	AM 6	E22	<i>Isoodon auratus baronensis</i>	170			#20						F	virgin pouch

Date	Time	Grid	Trap	Species	WT	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
19/10/04	AM	6	E1	<i>Isoodon auratus barrovensis</i>		982F0091 - 01035190	R							
19/10/04	AM	6	E19	<i>Isoodon auratus barrovensis</i>	345	982F0091 - 01061173		66	17			M		
19/10/04	AM	6	C11	<i>Isoodon auratus barrovensis</i>	360	982F0091 - 01164926		69	21			M		
19/10/04	AM	6	C21	<i>Isoodon auratus barrovensis</i>	200	982F0091 - 01165279 and #18	R	65						
19/10/04	AM	6	E16	<i>Isoodon auratus barrovensis</i>	260	982F0091 - 01188434		70	24			M		
19/10/04	AM	6	C20	<i>Isoodon auratus barrovensis</i>		982F0091 - 01191384	R							
19/10/04	AM	6	E21	<i>Isoodon auratus barrovensis</i>		982F0091 - 01236881	R							
19/10/04	AM	6	C15	<i>Isoodon auratus barrovensis</i>		982F0091 - 01241467	R							
19/10/04	AM	6	E8	<i>Isoodon auratus barrovensis</i>		982F0091 - 01261234	R	62						
19/10/04	AM	6	C16	<i>Isoodon auratus barrovensis</i>	340	982F0091 - 01341030		70	23			M		
19/10/04	AM	6	E4	<i>Isoodon auratus barrovensis</i>	407	982F0091 - 01352288	R	70	23			M		
19/10/04	AM	6	E11	<i>Isoodon auratus barrovensis</i>		982F0091 - 01451260	R							
19/10/04	AM	6	E10	<i>Isoodon auratus barrovensis</i>		982F0091 - 01453558	R							
19/10/04	AM	6	E23	<i>Isoodon auratus barrovensis</i>		982F0091 - 01543154	R							
19/10/04	AM	6	C3	<i>Lagorchestes conspicillatus</i>	3050	#28		92	21			M		

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
19/10/04	AM	6	C7	<i>Trichosurus vulpecula</i>	1040	982F0091 - 01036036			76		24		M	
19/10/04	AM	6	C6	<i>Trichosurus vulpecula</i>	1150	982F0091 - 01332594	R							
20/10/04	AM	1	C7	<i>Bettongia lesueur</i>	1870	982F0091- 00985920			10		21		M	
20/10/04	AM	1	C13	<i>Isoodon auratus barrovensis</i>	160		#18							
20/10/04	AM	1	C24	<i>Isoodon auratus barrovensis</i>	95		#24							
20/10/04	AM	1	E7	<i>Isoodon auratus barrovensis</i>	280		#32 (natural)							
20/10/04	AM	1	E1	<i>Isoodon auratus barrovensis</i>		982F0091- 00664874	R							
20/10/04	AM	1	C22	<i>Isoodon auratus barrovensis</i>		982F0091- 00690840	R							
20/10/04	AM	1	E4	<i>Isoodon auratus barrovensis</i>		982F0091- 00713545	R							
20/10/04	AM	1	C25	<i>Isoodon auratus barrovensis</i>		982F0091- 01164936	R							
20/10/04	AM	1	C6	<i>Isoodon auratus barrovensis</i>	235	982F0091- 01218191			67			F	Post-lactational	
20/10/04	AM	1	E3	<i>Isoodon auratus barrovensis</i>		982F0091- 01241806	R							
20/10/04	AM	1	C2	<i>Isoodon auratus barrovensis</i>		982F0091- 01243648	R							
20/10/04	AM	1	C9	<i>Isoodon auratus barrovensis</i>		982F0091- 01333553	R							
20/10/04	AM	1	C8	<i>Isoodon auratus barrovensis</i>		982F0091- 01338730	R							

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
20/10/04	AM	1	C14	<i>Isoodon auratus barromensis</i>	315	982F0091- 01357359			71				F	small pouch young
20/10/04	AM	1	C11	<i>Isoodon auratus barromensis</i>	375	982F0091- 01359995			64				F	small pouch young
20/10/04	AM	1	C15	<i>Isoodon auratus barromensis</i>		982F0091- 01453040	R							
20/10/04	AM	1	C5	<i>Isoodon auratus barromensis</i>		982F0091- 01509617	R							
20/10/04	AM	1	C1	<i>Trichosurus vulpecula</i>		982F0091- 01062845	R							
20/10/04	AM	1	C3	<i>Trichosurus vulpecula</i>		982F0091- 01237580	R							
20/10/04	AM	1	C16	<i>Trichosurus vulpecula</i>	1470	982F0091- 01265683			79				M	
20/10/04	AM	2	C21	<i>Isoodon auratus barromensis</i>	320		#16	R	63.5				M	
20/10/04	AM	2	E1	<i>Isoodon auratus barromensis</i>		982F0091- 00613872	R							
20/10/04	AM	2	E11	<i>Isoodon auratus barromensis</i>		982F0091- 00618982	R						M	
20/10/04	AM	2	C16	<i>Isoodon auratus barromensis</i>	390	982F0091- 00677956	R							
20/10/04	AM	2	E12	<i>Isoodon auratus barromensis</i>	335	982F0091- 00689973	R							
20/10/04	AM	2	E9	<i>Isoodon auratus barromensis</i>		982F0091- 00702357	R							
20/10/04	AM	2	E23	<i>Isoodon auratus barromensis</i>	365	982F0091- 00819380	R							
20/10/04	AM	2	C22	<i>Isoodon auratus barromensis</i>	460	982F0091- 01033775	R							

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
20/10/04	AM 2	E14	<i>Isoodon auratus barrovensis</i>	290	982F0091- 01034150		R							
20/10/04	AM 2	C5	<i>Isoodon auratus barrovensis</i>	215	982F0091- 01066536		R							
20/10/04	AM 2	E13	<i>Isoodon auratus barrovensis</i>	310	982F0091- 01169022		R							
20/10/04	AM 2	C25	<i>Isoodon auratus barrovensis</i>	400	982F0091- 01245501		R	62						
20/10/04	AM 2	C18	<i>Isoodon auratus barrovensis</i>	435	982F0091- 01258734		R							
20/10/04	AM 2	C1	<i>Isoodon auratus barrovensis</i>		982F0091- 01266038		R							
20/10/04	AM 2	C4	<i>Isoodon auratus barrovensis</i>	405	982F0091- 01445505		R							
20/10/04	AM 2	C7	<i>Isoodon auratus barrovensis</i>	320	982F0091- 01447147		R	67						
20/10/04	AM 2	E20	<i>Isoodon auratus barrovensis</i>	340	982F0091- 01481092			65.6						
20/10/04	AM 2	C9	<i>Lagorhestes conspicillatus</i>	#18		R								
20/10/04	AM 2	C20	<i>Lagorhestes conspicillatus</i>	2250		#32	R							
20/10/04	AM 2	C17	<i>Trichosurus vulpecula</i>	250	982F0091- 01220124		R							
20/10/04	AM 2	C24	<i>Trichosurus vulpecula</i>	1170	982F0091- 01260761		R							
20/10/04	AM 2	C23	<i>Trichosurus vulpecula</i>	1190	982F0091- 01667601			71						
20/10/04	AM 6	E21	<i>Isoodon auratus barrovensis</i>	185		#22		60						
20/10/04	AM 6	C16	<i>Isoodon auratus barrovensis</i>	145		#26		59						

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
20/10/04	AM	6	E20	<i>Isoodon auratus barromensis</i>	220	982F0091- 00957324			60		20		M	
20/10/04	AM	6	E22	<i>Isoodon auratus barromensis</i>		982F0091- 01164926	R							
20/10/04	AM	6	E6	<i>Isoodon auratus barromensis</i>	365	982F0091- 01188434	R							
20/10/04	AM	6	C21	<i>Isoodon auratus barromensis</i>		982F0091- 01191384	R							
20/10/04	AM	6	E16	<i>Isoodon auratus barromensis</i>		982F0091- 01236881	R?							
20/10/04	AM	6	C14	<i>Isoodon auratus barromensis</i>	320	982F0091- 01237480	R							
20/10/04	AM	6	C18	<i>Isoodon auratus barromensis</i>		982F0091- 01241467	R?							
20/10/04	AM	6	E8	<i>Isoodon auratus barromensis</i>		982F0091- 01244207	R	64				F	Post-lactational	
20/10/04	AM	6	E10	<i>Isoodon auratus barromensis</i>	250	982F0091- 01261234	R							
20/10/04	AM	6	C25	<i>Isoodon auratus barromensis</i>		982F0091- 01327188	R							
20/10/04	AM	6	C5	<i>Isoodon auratus barromensis</i>	390	982F0091- 01352288	R					M		
20/10/04	AM	6	E13	<i>Isoodon auratus barromensis</i>	265	982F0091- 01374608		58				F	Post-lactational	
20/10/04	AM	6	C6	<i>Isoodon auratus barromensis</i>	250	982F0091- 01375356		60.5				F	PY	
20/10/04	AM	6	E1	<i>Isoodon auratus barromensis</i>	315	982F0091- 01448585	R					M		

Date	Time	Grid	Trap	Species	Wt	PIT#	Ear Clip #	Rec	Crown	GL	GW	Pes	Sex	Young
20/10/04	AM	6	E11	<i>Isoodon auratus barrovensis</i>	205	982F0091- 01451260		R						
20/10/04	AM	6	E25	<i>Isoodon auratus barrovensis</i>		982F0091- 01451740		R						
20/10/04	AM	6	C19	<i>Isoodon auratus barrovensis</i>		982F0091- 01453358		R?						
20/10/04	AM	6	C23	<i>Isoodon auratus barrovensis</i>		982F0091- 01543154		R						
20/10/04	AM	6	C20	<i>Lagorhestes conspicillatus</i>	3050		#18							
20/10/04	AM	6	C24	<i>Lagorhestes conspicillatus</i>	2470		#64 (?: natural)	86		25			M	
20/10/04	AM	6	C4	<i>Lagorhestes conspicillatus</i>	2300	unmarked			80		26		M	
20/10/04	AM	6	C1	<i>Trichosurus vulpecula</i>			#1		56		10		M	young of 01546382
20/10/04	AM	6	C9	<i>Trichosurus vulpecula</i>	1070	982F0091- 01332594		R						
20/10/04	AM	6	C15	<i>Trichosurus vulpecula</i>	930	982F0091- 01377159		R						
20/10/04	AM	6	C1	<i>Trichosurus vulpecula</i>		982F0091- 01546382			75			F	mother of #1	

Attachment 6 - Annotated List of Reptiles Collected From the Proposed Development Area in November 2003

Ctenophorus c. caudicinctus

This species was observed on more occasions than the five vouchered specimens suggest (R154125 – 29) and from most areas visited. Most observations were of individuals amongst *Triodia* on exposed limestone and were typically observed basking on large rocks in the windrows along the major roads or on termitaria. There was variation with respect to colour patterns of the males.

This species is represented in the Western Australian Museum's collection by 75 specimens, including three with associated tissue samples. Collection localities are given as Barrow Island, Double Island, Town Point, Flacourt Bay, Turtle Bay, Surf Point, Cape Malouet. Smith (1976) notes that this species was widespread across the Island whilst Butler (1970) noted it as the 'most prevalent and obvious reptile on the Island.'

Delma borea

Recorded from just two specimens (R154143 and R154148) including a gravid female. A juvenile (R154143, SVL of 36 mm) was raked from beneath spoil on G1 ($20^{\circ} 47.402' 115^{\circ} 27.364'$) whilst the gravid female (R154148, SVL of 79mm) was collected from pit trap 13 on G4. The species is represented in the Western Australian Museum's collection by just two specimens, one collected in 1973, with a locality listed as Shark Point and the other collected in 1967, listed as Barrow Island.

The '*borea*' species complex has recently been reviewed by Brad Maryan (Western Australian Museum) using both morphological and molecular analysis, though no tissue from Barrow Island individuals was available at the time of the study. The study suggests that the Barrow Island population is the same species as that from the mainland Pilbara at Mandora.

Delma nasuta

A single gravid female (SVL 100 mm, R154170) was collected from trapping grid 1. This species is represented in the Western Australian Museum's collection by 63 specimens, most of which (n=53) were collected by Smith (1976) during his visit in late October/early November 1973. The remaining individuals were collected prior to 1989, with the majority being collected in the 1970s. Smith also collected gravid females during his October/November survey and noted that specimens predominantly came from '*T. angusta* on red sands and loams.' Locality records from the Western Australian Museum's collection comprise Barrow Island and Flacourt Bay.

Lialis burtonis

Recorded on two occasions, the first record was of a female collected from the cliff in Airport Creek (R154133) a second female (R154134) was collected from pale dunes vegetated with *Triodia* sp. adjacent to trap point T1.11.

The Western Australian Museum's collection includes 21 specimens, all collected during, or prior to 1977, with the locality given as either Barrow Island or Cape Malouet. Smith (1976) collected 17 specimens from '*T. angusta* whilst Butler (1970) notes that he collected specimens from '*Triodia* tussocks, mostly in dune habitats.'

Gehyra variegata

A single specimen (R154142) was collected from the accommodation block at the main camp. The form collected appears to differ from another specimen collected earlier in the year, that also appears to occur on Cape Range and on Varanus Island.

The taxon is represented by 14 specimens in the Western Australian Museum's collection with localities listed as Barrow Island, Town Point, Boodie Island, Whitlock Cove and Flacourt Bay. Smith (1976) collected his specimens from 'under debris such as timber, iron and old tyres.'

Heteronotia binoei

Eleven specimens that were vouchered (R154100 – R154108, R154114, R154141) were collected during the survey. Most were collected whilst raking beneath leaf litter, but specimens were also collected from the main track through the proposed Development area whilst road-spotting, and from termitaria.

Represented by 51 specimens in the collection from localities including Barrow Island, Town Point and Boodie Island. With the exception of one specimen collected in 1990, the remaining collections were made prior to 1977. Smith (1976) notes that this species was 'particularly common under man-made debris' whilst Butler (1970) recorded this species from 'termitaria, caves, *Triodia* clumps and under old camp rubbish.'

Strophurus jeanae

Single specimen (R154145) collected from under a live *Triodia* hummock. Represented by 15 specimens in the collection with localities given as Town Point and Barrow Island. With the exception of one specimen collected in 1990, all others were collected prior to 1977. Smith (1976) recorded all specimens from '*T. angusta* on siliceous sands and loams.'

Carlia triacantha

Several specimens were observed actively foraging on exposed limestone cap, but none were captured. Known from three specimens in the collection, with localities given as Town Point and Flacourt Bay. This species may be genuinely uncommon on Barrow Island. Smith (1976) only recorded a single individual from a 'well vegetated inter-dune near Town Point.'

Cryptoblepharus carnabyi

Five records including one from dead *Acacia coriacea* on the primary dunes within the proposed gas processing facility footprint area (R154112) and four specimens (R154109 – 11 and R154113) collected from low walls within the main camp. Known from 12 specimens within the Western Australian Museum's collection from localities given as Barrow Island and Town Point. Butler (1970) collected this species from mangrove trunks, rock faces, termitaria and caves, whilst Smith (1976) collected his specimens from similar habitat and the trunk of a eucalypt.

Ctenotus grandis

This species was represented by 18 captures including ten specimens vouchered with the Western Australian Museum (R154081 – 90). All individuals recorded by the authors were captured using medium size Elliott traps. A small section of tail was taken from the remaining eight individuals and stored in 100 % ethanol for future molecular studies.

This species is represented by 11 specimens in the collection, including two from 2001 from which tissue was taken. Locations are given as Barrow Island and Town Point. Both Butler (1970) and Smith (1976) record this species as being collected from sand areas.

Ctenotus pantherinus acripes

Only two specimens were collected, though an additional two were seen actively moving through *Triodia* hummock grass. This taxon is represented by 40 specimens in the collections of the Western Australian Museum, but just one from which tissue was taken. Butler (1970) recorded his specimens from '*Triodia* and *Frankenia* on barren salt eroded limestone outcrops on the west coast.' Smith (1976) noted the primary habitat as 'rocky areas with *Triodia wiseana*'.

According to current taxonomy this sub-species does not occur elsewhere in Western Australia, but is recorded from Northern Territory and Queensland (Horner 1991). There is some question over the validity of the sub-species described for Western Australia (Aplin and Smith, 2001) and genetic studies are required.

Ctenotus saxatilis

This species was recorded on nine occasions with an additional two specimens collected from the trapping grids; all eleven specimens were eventually vouchered (R154091 – 99 and R154149 – 50). The majority of the individuals ($n=9$) were collected using medium size Elliott traps established along the three transects and came from *Triodia* hummock grassland.

The species is well represented in the Western Australian Museum's collection with 96 specimens, though none are complemented with tissue samples. Localities are given as Barrow Island, South Double Island, South Pascoe Island, Town Point, Flacourt Bay, Surf Point, Cape Dupuy, Double Island, Pelican Point, Ant Point and Bandicoot Bay. Smith (1976) notes that this species is the 'dominant skink on the Island ... found in all habitats'. Butler (1970) indicates that this species occurs in '*Triodia* and coastal *Spinifex* thickets'.

The closely related taxa *Ctenotus saxatilis*, *C. fallens* and *C. ornatus* are currently the subject of a detailed phylogenetic study which will also attempt to resolve species distributions in these very similar looking species. Additional collections from Barrow Island and its close neighbours would provide valuable tissue to help resolve these phylogenies as well as place the Barrow Island population in a regional context.

Cyclodomorphus melanops

Recorded from three specimens during opportunistic collections (R154130 – 32) including one gravid female, supplemented by an additional three specimens (R154152, R154154 and R154160) collected from pit-traps in the trapping grids. The former three were recorded from beneath dead *Triodia* in spoil piles and, in one case, from under *Triodia* on limestone.

Represented by 60 specimens in the Western Australian Museum's collection, including one specimen with tissue. Localities are given as Barrow Island, Cape Dupuy, Town Point and Surf Point. Smith (1976) gives the habitat of this species as '*T. angusta* on consolidated dunes and loamy flats'. He also recorded females with enlarged follicles during October and November.

Lerista bipes

A total of ten individuals were lodged with the Western Australian Museum, comprising eight specimens (R154114 – 22) raked from beneath debris and vegetation and a further two collected

from pit traps (R154171 – 72). The collection included three individuals collected from Cape Dupuy. Specimens were raked from white siliceous sand on the primary dunes as well as loamy areas.

Represented by 89 specimens in the Western Australian Museum, including just two with associated tissue samples. Localities are given as Barrow Island, Town Point, Flacourt Bay, Surf Point, WAPET Camp, Bandicoot Bay, Pelican Point and Ant Point. Smith (1976) notes that this species was recorded from ‘consolidated dunes and loamy flats’.

Lerista muelleri

Two opportunistic collections (R154139 – 40) were supplemented by six pit-trapped specimens (R154162 – 67). Those collected opportunistically were raked from beneath spoil in Airport Creek and from beneath *Triodia* at Cape Dupuy.

Represented by 42 specimens within the Western Australian Museum’s collection with locations given as Barrow Island, Town Point, Flacourt Bay, Bandicoot Bay, Pelican Point and Ant Point. Smith (1976) notes that this species was found from ‘consolidated dunes’. He recorded one female with an enlarged follicle during October/November.

A recent review of this species complex yielded in excess of 15 new species and it appears that the Barrow Island taxon is similar to that on the adjacent Pilbara coast.

Menetia greyii

Nine specimens vouchered with the Western Australian Museum, including seven collected from pit-traps (R154153, R154156 – 58, R154161, R154169, R154173) and two collected opportunistically, including one raked from beneath *Triodia* on a primary dune (R154123) and another from under *Triodia* on limestone (R154144). The collection included one gravid female.

Poorly collected on Barrow Island, with just four specimens in the Western Australian Museum collection, with localities given as Barrow Island and Flacourt Bay. The sparsity of this species on Barrow Island was noted by Smith (1976).

This taxa is known to be a complex of species that displays polyplodony, probable parthenogenesis, sympatry and hybridisation (Aplin and Smith 2001).

Morethia ruficauda exquisita

Just the one specimen vouchered with the Western Australian Museum (R154174) collected from a pit-trap.

Represented by 26 specimens in the Western Australian Museum collection with localities given as Barrow Island, Town Point, Flacourt Bay, Pelican Point and Ant Point. Smith (1976) found this species in all habitats but noted it ‘mostly in siliceous foredunes and consolidated dunes.’

Notoscincus ornatus ornatus

Five specimens vouchered with the Western Australian Museum, including three from pit traps (R154147, R154155, R154159), one raked from beneath spoil in Airport Creek (R154137) and another from *Triodia* on exposed limestone near Town Point (R154138).

Represented by 25 specimens in the collection including two specimens with associated tissue samples. Localities include Barrow Island, Town Point, Surf Point and Flacourt Bay. Smith (1976) notes that this species ‘can be found in all habitats but is most common in consolidated dunes and loamy flats.’

Proablepharus reginae

Just two specimens vouchered with the Western Australian Museum, both collected opportunistically. The first was raked from beneath spoil in Airport Creek (R154135) and the second was collected near T1.21 in sparse *Acacia coriacea* on red loam.

Thirty-one specimens in the Western Australian Museum’s collection with localities given as Barrow Island, Flacourt Bay and Surf Point.

Varanus giganteus

No specimens vouchered but often encountered on the major tracks and at Town Point.

Represented in the Western Australian Museum’s collection by eight specimens, all collected prior to 1985. There are no supporting tissue samples. It is envisaged that any road kill specimens will be collected and stored in the chest freezer on site. Any such specimens will provide valuable tissue for any future molecular studies.

Pseudechis australis

A single individual collected whilst road-spotting through the proposed Development area (R154124).

This species is represented by just six specimens in the Western Australian Museum collection, with localities given as Barrow Island and Town Point.

Smith (1976) suggests that the Barrow Island form of this species may exhibit dwarfism given the shorter SVL in these individuals.

Attachment 7 - Annotated List of Reptiles Collected From the Proposed Development Area in August-September 2004

AGAMIDAE

Ctenophorus caudicinctus caudicinctus

This species was recorded on nine occasions at Flacourt Bay, alternative campsites and the Gorgon footprint area. Most records were in Acacia over Triodia on limestone (seven observations) with the remaining two records being in Melaleuca cardiophylla and Triodia on limestone. Smith (1976) notes that this species was “seen all over the island” whilst Butler (1970) noted it as the “most prevalent and obvious reptile on the island.”

Pogona minor minor

Recorded from two individuals captured in the alternative campsites and old airport area. One individual was from Triodia angusta valleys and the other was from Triodia on loam. Smith (1976) collected most specimens from “2-3 m up in dead Hakea lorea, or Acacia shrubs”. Butler (1970) recorded most specimens from Acacia coriacea along the coast and this was the habitat where most individuals were captured during the trapping program in 2003.

PYGOPODIDAE

Delma borea

Recorded on just one occasion from east of the old airport. The individual was captured in Triodia on loam. Smith (1976) states that the one specimen he obtained was “out of Triodia”.

The ‘borea’ species complex has recently been reviewed by Brad Maryan (Western Australian Museum), using both morphological and molecular analysis. His study suggests that the Barrow Island population is the same species as that from the mainland Pilbara at Mandora.

GEKKONIDAE

Gehyra variegata

A single individual was recorded in the Gorgon project area near the pipeline in Melaleuca cardiophylla and Triodia on limestone. This individual apparently belongs to a species found on Barrow Island and adjacent parts of the Pilbara mainland, which is different from true variegata (G. Harold, pers. comm.). Smith (1976) collected his specimens from “under debris such as timber, iron and old tyres” and Butler (1970) obtained his specimens from “dead Acacia coriacea, caves and termitaria” although it seems likely that his records include other Gehyra species.

Heteronotia binoei

Five records from the alternative campsites, Gorgon project area and old airport area. Most records from Melaleuca cardiophylla and Triodia on limestone (three records) with one record from Triodia angusta valleys and one record from cleared areas at the old airport. Smith (1976) notes that this species was “particularly common under man-made debris” whilst Butler (1970) recorded this species from “termitaria, caves, Triodia clumps and under old camp rubbish”.

SCINCIDAE

Cryptoblepharus carnabyi

Recorded from two individuals. One was collected from a stone wall at the main camp and the other was collected from bare sandstone below a limestone cliff at Barge Landing. Butler (1970) collected this species from “rock faces, mangrove trunks, termitaria and caves”, whilst Smith (1976) collected his specimens from “mangroves, a eucalypt trunk, the wall of a building and the face of a sink hole”.

This species, as currently recognised, is a species complex containing over a dozen true species. It is not clear how widely distributed the form on Barrow Island is.

Ctenotus grandis titan

Only one capture from Triodia on loam in the alternative campsites. Both Butler (1970) and Smith (1976) record this species as being collected from sand areas.

Ctenotus pantherinus acripes

Seven records from the Gorgon project area and alternative campsites. Most records were from Triodia on loam (five records) with the remaining two records being from Melaleuca cardiophylla and Triodia on limestone. This species was recorded from north of the Gorgon footprint during this survey and Butler (1970) recorded his specimens from “Triodia and Frankenia on barren salt eroded limestone outcrops on the west coast”. Smith (1976) noted the primary habitat as “rocky areas with Triodia wiseana”. This species is clearly widespread across the island.

According to current taxonomy this sub-species does not occur elsewhere in Western Australia, but is recorded from Northern Territory and Queensland (Horner 1991). There is some question over the validity of the sub-species described for Western Australia (Smith and Aplin 2001) and genetic studies are required.

Ctenotus saxatilis

Five records from White’s Beach, old airport area and Gorgon project area. It was recorded in a range of habitats with single records in each of Acacia over Triodia on limestone, Melaleuca cardiophylla and Triodia on limestone, Triodia on loam, disturbed ground and Triodia angusta valleys. Smith (1976) notes that this species is the “dominant skink on the islandfound in all habitats.” Butler (1970) indicates that this species occurs in “Triodia and coastal Spinifex thickets.”

Cyclodomorphus melanops melanops

Eight records from the old airport and Gorgon project areas. Two records from each of Triodia angusta valleys and regrowth Triodia in rehabilitated areas with single records from each of Melaleuca cardiophylla and Triodia on limestone, Acacia over Triodia on limestone and Triodia on loam. Butler (1970) obtained all his specimens “from Triodia except one found under a limestone slab”. Smith (1976) gives the habitat of this species as “T. angusta on consolidated dunes and loamy flats”. He also recorded females with enlarged follicles during October and November.

Lerista bipes

Seven records from the Gorgon project area and Airport Creek. Most records were from Acacia *coriacea* over *Triodia* on coastal sand (three records) and *Triodia* on loam (two records) with single records from each of *Melaleuca cardiophylla* and *Triodia* on limestone and Acacia over *Triodia* on limestone. Butler (1970) said that “their tracks are extremely common throughout the island in sandy areas” and Smith (1976) notes that this species was recorded from “consolidated dunes and loamy flats”.

Lerista elegans

One record from just north of Town Point, in Acacia *coriacea* on white beach sand. Not previously recorded in the Gorgon project area. During the 2004 trapping survey, the species was recorded in large numbers from *Triodia* on white sand in the Bandicoot Bay area and Butler (1970) reports it as being common “on *Triodia* in sand”. Not collected by Smith (1976).

Lerista muelleri

Seven records from the alternative campsites, old airport area and Gorgon project area. Most records from Acacia over *Triodia* on limestone (five observations), with the remaining two records from *Melaleuca cardiophylla* and *Triodia* on limestone. Smith (1976) notes that this species was found “among consolidated dunes” and Butler (1970) recorded one from a “sand dune.....among Acacia and Spinifex”.

A recent review of this species complex by Laurie Smith at the WA Museum yielded in excess of 15 new species and it appears that the Barrow Island taxon is similar to that on the adjacent Pilbara coast.

Menetia greyii

Nine records from White’s Beach, alternative campsites, old airport area and Gorgon project area. Most records from *Melaleuca cardiophylla* and *Triodia* on limestone (four records), with further records from *Triodia* on loam (three records), *Triodia angusta* valleys (one record) and *Triodia* on the edge of a rehabilitated area (one record). Not recorded by either Butler (1970), or Smith (1976).

This taxa is known to be a complex of species that displays polyplody, probable parthenogenesis, sympatry and hybridisation (Aplin and Smith 2001).

Morethia ruficauda exquisita

Three records from the Gorgon project area in *Melaleuca cardiophylla* and *Triodia* on limestone (two records) and *Acacia coriacea* on white sand (one record). Smith (1976) found this species in all habitats but noted it “mostly in siliceous foredunes and consolidated dunes” and Butler (1970) found it “on limestone edges of sand dunes”.

Notoscincus ornatus ornatus

Four records from the old airport and Gorgon project areas. Two records from *Acacia* over *Triodia* on limestone, with single records from each of *Triodia angusta* valleys and *Melaleuca cardiophylla* and *Triodia* on limestone. Not recorded by Butler (1970) but Smith (1976) notes that this species “can be found in all habitats but is most common in consolidated dunes and loamy flats”.

Proablepharus reginae

Five records from the alternative campsites, old airport area and Gorgon project area. Three records from Triodia on loam, with single records from each of Triodia angusta valleys and Melaleuca cardiophylla and Triodia on limestone. Butler (1970) recorded the species from “Triodia on sand” whilst Smith (1976) recorded it only from “Triodia angusta on sandy soil” but noted that it was one of the most common lizards on the island.

VARANIDAE

Varanus acanthurus

One record from Acacia coriacea on white sand just north of Town Point. Not recorded by Butler (1970) and Smith (1976) collected three specimens, “two under rubbish, the other out of Triodia”.

Varanus giganteus

Four observations from the alternative campsites and Gorgon project area. Two observations in Acacia over Triodia on limestone with one observation from Triodia on loam. Butler (1970) described the species as “wide-ranging over all habitats” and Smith (1976) had 27 sightings “in all habitats”.

Attachment 8 - List of Reptile Specimens from Barrow Island Donated to the Western Australian Museum

Reg No.	Genus	Species	Subspecies	Latitude	Longitude	Date
154363	<i>Antaresia</i>	<i>stimsoni</i>	<i>stimsoni</i>	20°49`36"S	115°26`41"E	29/11/2003
154109	<i>Cryptoblepharus</i>	<i>carnabyi</i>		20°49`36"S	115°26`41"E	22/11/2003
154110	<i>Cryptoblepharus</i>	<i>carnabyi</i>		20°49`36"S	115°26`41"E	20/11/2003
154111	<i>Cryptoblepharus</i>	<i>carnabyi</i>		20°49`36"S	115°26`41"E	20/11/2003
154112	<i>Cryptoblepharus</i>	<i>carnabyi</i>		20°47`18"S	115°27`46"E	20/11/2003
154113	<i>Cryptoblepharus</i>	<i>carnabyi</i>		20°49`36"S	115°26`41"E	23/11/2003
154125	<i>Ctenophorus</i>	<i>caudicinctus</i>	<i>caudicinctus</i>	20°40`16"S	115°26`13"E	24/11/2003
154126	<i>Ctenophorus</i>	<i>caudicinctus</i>	<i>caudicinctus</i>	20°48`09"S	115°26`53"E	23/11/2003
154127	<i>Ctenophorus</i>	<i>caudicinctus</i>	<i>caudicinctus</i>	20°47`32"S	115°26`18"E	22/11/2003
154128	<i>Ctenophorus</i>	<i>caudicinctus</i>	<i>caudicinctus</i>	20°47`32"S	115°26`18"E	23/11/2003
154129	<i>Ctenophorus</i>	<i>caudicinctus</i>	<i>caudicinctus</i>	20°47`06"S	115°27`42"E	23/11/2003
154081	<i>Ctenotus</i>	<i>grandis</i>	<i>titan</i>	20°47`58"S	115°27`12"E	20/11/2003
154082	<i>Ctenotus</i>	<i>grandis</i>	<i>titan</i>	20°47`58"S	115°27`12"E	20/11/2003
154083	<i>Ctenotus</i>	<i>grandis</i>	<i>titan</i>	20°47`58"S	115°27`12"E	22/11/2003
154084	<i>Ctenotus</i>	<i>grandis</i>	<i>titan</i>	20°47`12"S	115°27`22"E	22/11/2003
154085	<i>Ctenotus</i>	<i>grandis</i>	<i>titan</i>	20°47`12"S	115°27`22"E	21/11/2003
154086	<i>Ctenotus</i>	<i>grandis</i>	<i>titan</i>	20°47`58"S	115°27`12"E	20/11/2003
154087	<i>Ctenotus</i>	<i>grandis</i>	<i>titan</i>	20°47`12"S	115°27`22"E	21/11/2003
154088	<i>Ctenotus</i>	<i>grandis</i>	<i>titan</i>	20°47`58"S	115°27`12"E	21/11/2003
154089	<i>Ctenotus</i>	<i>grandis</i>	<i>titan</i>	20°47`58"S	115°27`12"E	22/11/2003
154090	<i>Ctenotus</i>	<i>grandis</i>	<i>titan</i>	20°47`58"S	115°27`12"E	22/11/2003
154151	<i>Ctenotus</i>	<i>pantherinus</i>	<i>acripes</i>	20°47`29"S	115°27`31"E	28/11/2003
154168	<i>Ctenotus</i>	<i>pantherinus</i>	<i>acripes</i>	20°47`58"S	115°27`12"E	30/11/2003
154389	<i>Ctenotus</i>	<i>pantherinus</i>	<i>acripes</i>	20°47`12"S	115°27`22"E	29/11/2003
154091	<i>Ctenotus</i>	<i>saxatilis</i>		20°47`58"S	115°27`12"E	22/11/2003
154092	<i>Ctenotus</i>	<i>saxatilis</i>		20°47`58"S	115°27`12"E	22/11/2003
154093	<i>Ctenotus</i>	<i>saxatilis</i>		20°47`03"S	115°27`21"E	24/11/2003
154094	<i>Ctenotus</i>	<i>saxatilis</i>		20°47`03"S	115°27`21"E	24/11/2003
154095	<i>Ctenotus</i>	<i>saxatilis</i>		20°47`12"S	115°27`22"E	21/11/2003
154096	<i>Ctenotus</i>	<i>saxatilis</i>		20°47`03"S	115°27`21"E	24/11/2003
154097	<i>Ctenotus</i>	<i>saxatilis</i>		20°47`58"S	115°27`12"E	20/11/2003
154098	<i>Ctenotus</i>	<i>saxatilis</i>		20°47`58"S	115°27`12"E	24/11/2003
154099	<i>Ctenotus</i>	<i>saxatilis</i>		20°47`58"S	115°27`12"E	24/11/2003
154149	<i>Ctenotus</i>	<i>saxatilis</i>		20°47`29"S	115°27`31"E	28/11/2003

Reg No.	Genus	Species	Subspecies	Latitude	Longitude	Date
154150	<i>Ctenotus</i>	<i>saxatilis</i>		20°47`03"S	115°27`21"E	28/11/2003
154130	<i>Cyclodomorphus</i>	<i>melanops</i>	<i>melanops</i>	20°48`08"S	115°26`52"E	21/11/2003
154131	<i>Cyclodomorphus</i>	<i>melanops</i>	<i>melanops</i>	20°48`08"S	115°26`52"E	21/11/2003
154132	<i>Cyclodomorphus</i>	<i>melanops</i>	<i>melanops</i>	20°47`06"S	115°27`42"E	19/11/2003
154152	<i>Cyclodomorphus</i>	<i>melanops</i>	<i>melanops</i>	20°47`18"S	115°27`43"E	27/11/2003
154154	<i>Cyclodomorphus</i>	<i>melanops</i>	<i>melanops</i>	20°47`58"S	115°27`12"E	29/11/2003
154160	<i>Cyclodomorphus</i>	<i>melanops</i>	<i>melanops</i>	20°47`12"S	115°27`22"E	28/11/2003
154143	<i>Delma</i>	<i>borea</i>		20°47`24"S	115°27`21"E	21/11/2003
154148	<i>Delma</i>	<i>borea</i>		20°47`18"S	115°27`43"E	26/11/2003
154170	<i>Delma</i>	<i>nasuta</i>		20°47`12"S	115°27`22"E	28/11/2003
154362	<i>Delma</i>	<i>nasuta</i>		20°46`35"S	115°26`53"E	02/12/2003
154142	<i>Gebyra</i>	<i>variegata</i>		20°47`06"S	115°27`42"E	22/11/2003
154100	<i>Heteronotia</i>	<i>binoei</i>		20°49`55"S	115°26`06"E	22/11/2003
154101	<i>Heteronotia</i>	<i>binoei</i>		20°48`06"S	115°26`54"E	22/11/2003
154102	<i>Heteronotia</i>	<i>binoei</i>		20°48`08"S	115°26`53"E	21/11/2003
154103	<i>Heteronotia</i>	<i>binoei</i>		20°47`18"S	115°27`46"E	20/11/2003
154104	<i>Heteronotia</i>	<i>binoei</i>		20°47`28"S	115°27`12"E	21/11/2003
154105	<i>Heteronotia</i>	<i>binoei</i>		20°47`16"S	115°27`09"E	22/11/2003
154106	<i>Heteronotia</i>	<i>binoei</i>		20°47`16"S	115°27`09"E	22/11/2003
154107	<i>Heteronotia</i>	<i>binoei</i>		20°48`08"S	115°26`53"E	21/11/2003
154108	<i>Heteronotia</i>	<i>binoei</i>		20°48`08"S	115°26`53"E	21/11/2003
154114	<i>Heteronotia</i>	<i>binoei</i>		20°48`48"S	115°26`31"E	22/11/2003
154141	<i>Heteronotia</i>	<i>binoei</i>		20°49`24"S	115°27`18"E	24/11/2003
154115	<i>Lerista</i>	<i>bipes</i>		20°40`16"S	115°26`13"E	23/11/2003
154116	<i>Lerista</i>	<i>bipes</i>		20°40`16"S	115°26`13"E	23/11/2003
154117	<i>Lerista</i>	<i>bipes</i>		20°47`18"S	115°27`47"E	20/11/2003
154118	<i>Lerista</i>	<i>bipes</i>		20°40`16"S	115°26`13"E	23/11/2003
154119	<i>Lerista</i>	<i>bipes</i>		20°47`18"S	115°27`46"E	20/11/2003
154120	<i>Lerista</i>	<i>bipes</i>		20°48`20"S	115°27`03"E	21/11/2003
154121	<i>Lerista</i>	<i>bipes</i>		20°48`24"S	115°27`01"E	22/11/2003
154122	<i>Lerista</i>	<i>bipes</i>		20°48`24"S	115°27`01"E	22/11/2003
154171	<i>Lerista</i>	<i>bipes</i>		20°47`12"S	115°27`22"E	01/12/2003
154172	<i>Lerista</i>	<i>bipes</i>		20°47`03"S	115°27`21"E	01/12/2003
154139	<i>Lerista</i>	<i>muelleri</i>		20°48`16"S	115°26`57"E	18/11/2003
154140	<i>Lerista</i>	<i>muelleri</i>		20°40`15"S	115°26`13"E	23/11/2003
154162	<i>Lerista</i>	<i>muelleri</i>		20°47`12"S	115°27`22"E	27/11/2003
154163	<i>Lerista</i>	<i>muelleri</i>		20°47`12"S	115°27`22"E	28/11/2003

Reg No.	Genus	Species	Subspecies	Latitude	Longitude	Date
154164	<i>Lerista</i>	<i>muelleri</i>		20°47`29"S	115°27`31"E	27/11/2003
154165	<i>Lerista</i>	<i>muelleri</i>		20°47`29"S	115°27`31"E	27/11/2003
154166	<i>Lerista</i>	<i>muelleri</i>		20°47`58"S	115°27`12"E	27/11/2003
154167	<i>Lerista</i>	<i>muelleri</i>		20°47`18"S	115°27`43"E	25/11/2003
154133	<i>Lialis</i>	<i>burtonis</i>		20°48`08"S	115°26`53"E	20/11/2003
154134	<i>Lialis</i>	<i>burtonis</i>		20°47`28"S	115°27`27"E	21/11/2003
154123	<i>Menetia</i>	<i>greyii</i>		20°48`24"S	115°27`01"E	22/11/2003
154144	<i>Menetia</i>	<i>greyii</i>		20°47`32"S	115°26`18"E	23/11/2003
154153	<i>Menetia</i>	<i>greyii</i>		20°47`03"S	115°27`21"E	28/11/2003
154156	<i>Menetia</i>	<i>greyii</i>		20°46`35"S	115°26`53"E	29/11/2003
154157	<i>Menetia</i>	<i>greyii</i>		20°46`35"S	115°26`53"E	29/11/2003
154158	<i>Menetia</i>	<i>greyii</i>		20°47`29"S	115°27`31"E	29/11/2003
154161	<i>Menetia</i>	<i>greyii</i>		20°47`12"S	115°27`22"E	28/11/2003
154169	<i>Menetia</i>	<i>greyii</i>		20°47`12"S	115°27`22"E	28/11/2003
154173	<i>Menetia</i>	<i>greyii</i>		20°47`03"S	115°27`21"E	01/12/2003
154174	<i>Morethia</i>	<i>ruficauda</i>	<i>exquisita</i>	20°47`58"S	115°27`12"E	30/11/2003
154137	<i>Notoscincus</i>	<i>ornatus</i>	<i>ornatus</i>	20°48`16"S	115°26`57"E	18/11/2003
154138	<i>Notoscincus</i>	<i>ornatus</i>	<i>ornatus</i>	20°48`00"S	115°28`00"E	22/11/2003
154147	<i>Notoscincus</i>	<i>ornatus</i>	<i>ornatus</i>	20°47`03"S	115°27`21"E	28/11/2003
154155	<i>Notoscincus</i>	<i>ornatus</i>	<i>ornatus</i>	20°47`12"S	115°27`22"E	29/11/2003
154159	<i>Notoscincus</i>	<i>ornatus</i>	<i>ornatus</i>	20°47`03"S	115°27`21"E	28/11/2003
154135	<i>Proablepharus</i>	<i>reginae</i>		20°48`16"S	115°26`57"E	18/11/2003
154136	<i>Proablepharus</i>	<i>reginae</i>		20°47`28"S	115°27`27"E	24/11/2003
154124	<i>Pseudochis</i>	<i>australis</i>		20°48`32"S	115°27`18"E	24/11/2003
154145	<i>Strophurus</i>	<i>jeanae</i>		20°47`20"S	115°27`17"E	22/11/2003

Attachment 9 - Report on the Findings of the Hepetofauna Survey of the Gorgon Project Area 2004. Report to RPS Bowman Bishaw Gorham by Biota Environmental Sciences, April 2005.

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Report on the findings of the herpetofauna survey of the Gorgon project area 2004

Introduction

The purpose of the herpetofauna work was to sample the Gorgon project area at a different season and, specifically, to search for additional herpetofauna species that may have been present in the Gorgon project area. The aim of the survey was to collect species that do not readily enter pit traps and to search for previously unrecorded species, in particular *Aprasia rostrata* (see below). That new species are still to be recorded for Barrow Island is suggested by the recent (Jan 2004) recording of *Varanus brevicauda* on Obe's Beach.

Methodology

The herpetofauna survey was conducted between the 25th August and 1st September 2004 in comparison to the 18th and 25th November 2003. For the 2004 survey, hand foraging and raking was conducted throughout the day as the cooler temperatures enabled reptiles to remain active throughout the daylight hours. However, little nocturnal work was completed because the low temperatures and strong winds after dark precluded any significant reptile activity at night time (Table 1). A total of 33.4mm of rain had fallen on Barrow between 1st April 2004 and the end of the survey compared to an average from April to August inclusive of 162.7mm. This indicates that the survey was conducted during a very dry period.

Table 1: Climatic variables for Barrow Island for the duration of the 2004 herpetofauna survey (data from Bureau of Meteorology website
<http://www.bom.gov.au/climate/dwo/IDCJDW6008.shtml>)

Date	25/8/04	26/8/04	27/8/04	28/8/04	29/8/04	30/8/04	31/8/04	1/9/04	Average
Maximum	23.8	23.9	23.9	23.5	22.4	22.0	21.3	23.1	23.0
Minimum	19.1	18.6	17.7	18.1	17.7	17.7	13.4	14.7	17.1
Rainfall	0	0	0	0	0	0	0	0	0

For all reptiles hand captured or identified in the field, we recorded (1) date, (2) species, (3) number of individuals, (4) location (northing and eastings in WGS 84) and (5) a habitat description. All collecting was undertaken under licences granted to Mr Greg Harold by the Department of Conservation and Land Management (DCLM).

Results

The targeted herpetofauna survey yielded 19 species of reptile (Table 2). This compares with 18 species captured in the 2003 survey and a total of 42 species known from the island (excluding sea-snakes and marine turtles). All of the 19 species were previously

known from the Gorgon project area, except *Lerista elegans*. The location of all individuals captured during the herpetological survey are shown in Figure 1.

Table 2: Reptile species recorded from Barrow Island (Source: Butler 1970, Smith 1976; WA Museum Faunabase, Brad Maryan pers comm.)

Family Agamidae	<i>Cyclodomorphus melanops melanops</i> *
<i>Ctenophorus caudicinctus caudicinctus</i> *	<i>Eremiascincus richardsonii</i>
<i>Lophognathus gilberti</i>	<i>Glaphyromorphus isolepis</i>
<i>Pogona minor</i> *	<i>Lerista bipes</i> *
Family Pygopodidae	<i>Lerista elegans</i> *
<i>Delma borea</i> *	<i>Lerista muelleri</i> *
<i>Delma nasuta</i>	<i>Menetia greyii</i> *
<i>Delma tincta</i>	<i>Morethia lineoocellata</i>
<i>Lialis burtonis</i>	<i>Morethia ruficauda exquisita</i> *
<i>Pygopus nigriceps</i>	<i>Notoscincus ornatus ornatus</i> *
Family Gekkonidae	<i>Proablepharus reginae</i> *
<i>Diplodactylus stenodactylus</i>	
<i>Gehyra pilbara</i>	Family Typhlopidae
<i>Gehyra variegata</i> *	<i>Ramphotyphlops ammodytes</i>
<i>Heteronotia binoei</i> *	<i>Ramphotyphlops longissimus</i>
<i>Strophurus jeanae</i>	
Family Scincidae	Family Varanidae
<i>Carlia triacantha</i>	<i>Varanus acanthurus</i> *
<i>Cryptoblepharus carnabyi</i> *	<i>Varanus brevicauda</i>
<i>Ctenotus duricola</i>	<i>Varanus giganteus</i> *
<i>Ctenotus grandis titan</i> *	Family Boidae
<i>Ctenotus hanloni</i>	<i>Antaresia stimsoni</i>
<i>Ctenotus pantherinus acripes</i> *	Family Elapidae
<i>Ctenotus saxatilis</i> *	<i>Brachyurophis approximans</i>
<i>Ctenotus serventyi</i>	<i>Demansia psammophis reticulata</i>
	<i>Furina ornata</i>
	<i>Pseudechis australis</i>

* recorded during the 2004 survey

Annotated List

AGAMIDAE

Ctenophorus caudicinctus caudicinctus

This species was recorded on nine occasions at Flacourt Bay, alternative campsites and the Gorgon footprint area. Most records were in *Acacia* over *Triodia* on limestone (seven observations) with the remaining two records being in *Melaleuca cardiophylla* and *Triodia* on limestone. Smith (1976) notes that this species was “seen all over the island” whilst Butler (1970) noted it as the “most prevalent and obvious reptile on the island.”

Pogona minor minor

Recorded from two individuals captured in the alternative campsites and old airport area. One individual was from *Triodia angusta* valleys and the other was from *Triodia* on loam. Smith (1976) collected most specimens from “2-3 m up in dead *Hakea lorea*, or *Acacia* shrubs”. Butler (1970) recorded most specimens from *Acacia coriacea* along the coast and this was the habitat where most individuals were captured during the trapping program in 2003.

PYGOPODIDAE

Delma borea

Recorded on just one occasion from east of the old airport. The individual was captured in *Triodia* on loam. Smith (1976) states that the one specimen he obtained was “out of *Triodia*”.

The ‘*borea*’ species complex has recently been reviewed by Brad Maryan (Western Australian Museum), using both morphological and molecular analysis. His study suggests that the Barrow Island population is the same species as that from the mainland Pilbara at Mandora.

GEKKONIDAE

Gehyra variegata

A single individual was recorded in the Gorgon project area near the pipeline in *Melaleuca cardiophylla* and *Triodia* on limestone. This individual apparently belongs to a species found on Barrow Island and adjacent parts of the Pilbara mainland, which is different from true *variegata* (G. Harold, pers. comm.). Smith (1976) collected his specimens from “under debris such as timber, iron and old tyres” and Butler (1970) obtained his specimens from “dead *Acacia coriacea*, caves and termitaria” although it seems likely that his records include other *Gehyra* species.

Heteronotia binoei

Five records from the alternative campsites, Gorgon project area and old airport area. Most records from *Melaleuca cardiophylla* and *Triodia* on limestone (three records) with one record from *Triodia angusta* valleys and one record from cleared areas at the old airport. Smith (1976) notes that this species was “particularly common under man-made debris” whilst Butler (1970) recorded this species from “termitaria, caves, *Triodia* clumps and under old camp rubbish”.

SCINCIDAE

Cryptoblepharus carnabyi

Recorded from two individuals. One was collected from a stone wall at the main camp and the other was collected from bare sandstone below a limestone cliff at Barge Landing. Butler (1970) collected this species from “rock faces, mangrove trunks, termitaria and caves”, whilst Smith (1976) collected his specimens from “mangroves, a eucalypt trunk, the wall of a building and the face of a sink hole”.

This species, as currently recognised, is a species complex containing over a dozen true species. It is not clear how widely distributed the form on Barrow Island is.

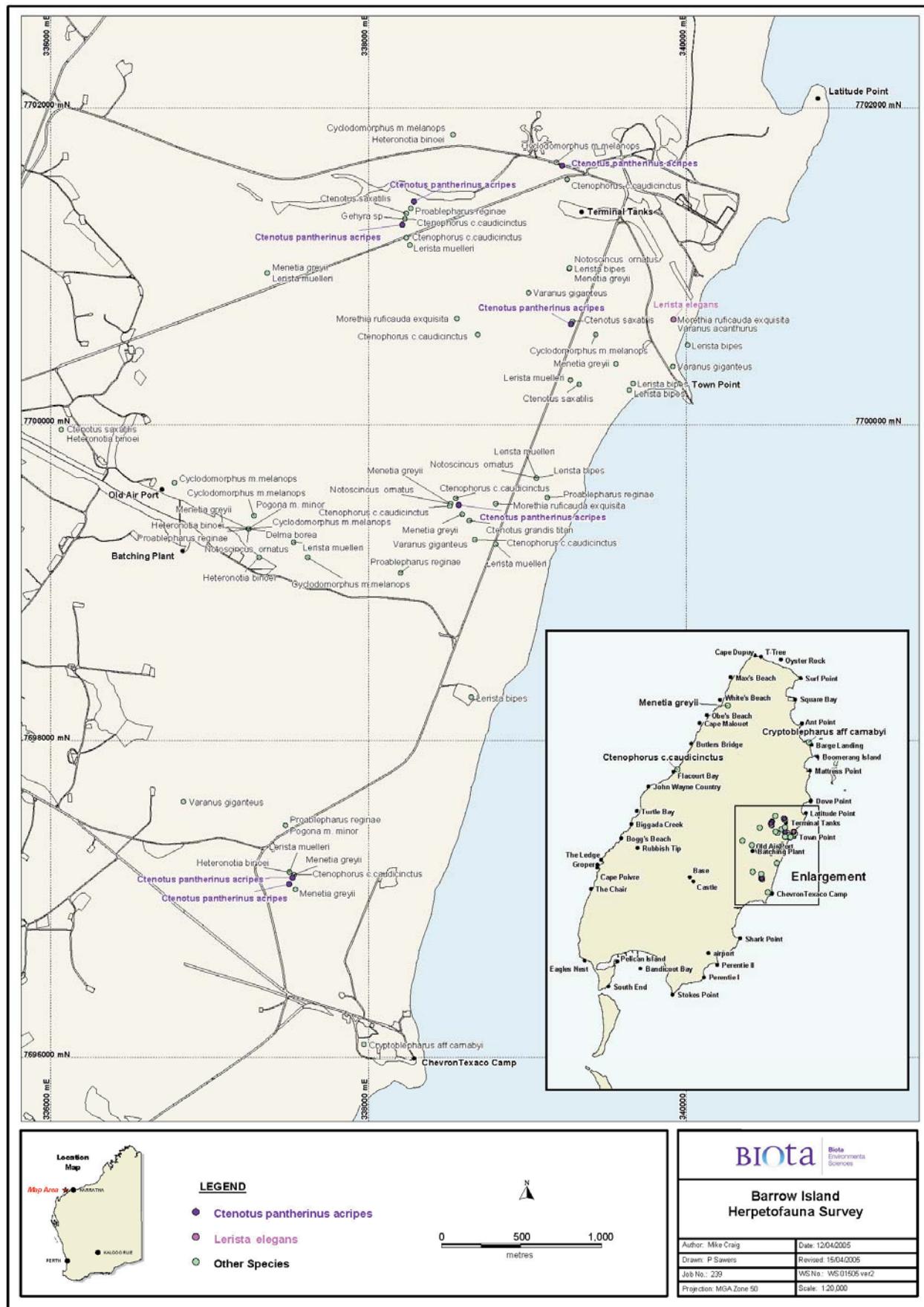


Figure 1. Location of all reptiles captured during the herpetological survey.

Ctenotus grandis titan

Only one capture from *Triodia* on loam in the alternative campsites. Both Butler (1970) and Smith (1976) record this species as being collected from sand areas.

Ctenotus pantherinus acripes

Seven records from the Gorgon project area and alternative campsites. Most records were from *Triodia* on loam (five records) with the remaining two records being from *Melaleuca cardiophylla* and *Triodia* on limestone. This species was recorded from north of the Gorgon footprint during this survey and Butler (1970) recorded his specimens from “*Triodia and Frankenia on barren salt eroded limestone outcrops on the west coast*”. Smith (1976) noted the primary habitat as “*rocky areas with Triodia wiseana*”. This species is clearly widespread across the island.

According to current taxonomy this sub-species does not occur elsewhere in Western Australia, but is recorded from Northern Territory and Queensland (Horner 1991). There is some question over the validity of the sub-species described for Western Australia (Smith and Aplin 2001) and genetic studies are required.

Ctenotus saxatilis

Five records from White’s Beach, old airport area and Gorgon project area. It was recorded in a range of habitats with single records in each of *Acacia* over *Triodia* on limestone, *Melaleuca cardiophylla* and *Triodia* on limestone, *Triodia* on loam, disturbed ground and *Triodia angusta* valleys. Smith (1976) notes that this species is the “*dominant skink on the islandfound in all habitats.*” Butler (1970) indicates that this species occurs in “*Triodia and coastal Spinifex thickets.*”

Cyclodomorphus melanops melanops

Eight records from the old airport and Gorgon project areas. Two records from each of *Triodia angusta* valleys and regrowth *Triodia* in rehabilitated areas with single records from each of *Melaleuca cardiophylla* and *Triodia* on limestone, *Acacia* over *Triodia* on limestone and *Triodia* on loam. Butler (1970) obtained all his specimens “*from Triodia except one found under a limestone slab*”. Smith (1976) gives the habitat of this species as “*T. angusta on consolidated dunes and loamy flats*”. He also recorded females with enlarged follicles during October and November.

Lerista bipes

Seven records from the Gorgon project area and Airport Creek. Most records were from *Acacia coriacea* over *Triodia* on coastal sand (three records) and *Triodia* on loam (two records) with single records from each of *Melaleuca cardiophylla* and *Triodia* on limestone and *Acacia* over *Triodia* on limestone. Butler (1970) said that “*their tracks are extremely common throughout the island in sandy areas*” and Smith (1976) notes that this species was recorded from “*consolidated dunes and loamy flats*”.

Lerista elegans

One record from just north of Town Point, in *Acacia coriacea* on white beach sand. Not previously recorded in the Gorgon project area. During the 2004 trapping survey, the species was recorded in large numbers from *Triodia* on white sand in the Bandicoot Bay

area and Butler (1970) reports it as being common “*on Triodia in sand*”. Not collected by Smith (1976).

Lerista muelleri

Seven records from the alternative campsites, old airport area and Gorgon project area. Most records from *Acacia* over *Triodia* on limestone (five observations), with the remaining two records from *Melaleuca cardiophylla* and *Triodia* on limestone. Smith (1976) notes that this species was found “*among consolidated dunes*” and Butler (1970) recorded one from a “*sand dune.....among Acacia and Spinifex*”.

A recent review of this species complex by Laurie Smith at the WA Museum yielded in excess of 15 new species and it appears that the Barrow Island taxon is similar to that on the adjacent Pilbara coast.

Menetia greyii

Nine records from White’s Beach, alternative campsites, old airport area and Gorgon project area. Most records from *Melaleuca cardiophylla* and *Triodia* on limestone (four records), with further records from *Triodia* on loam (three records), *Triodia angusta* valleys (one record) and *Triodia* on the edge of a rehabilitated area (one record). Not recorded by either Butler (1970), or Smith (1976).

This taxa is known to be a complex of species that displays polyploidy, probable parthenogenesis, sympatry and hybridisation (Aplin and Smith 2001).

Morethia ruficauda exquisita

Three records from the Gorgon project area in *Melaleuca cardiophylla* and *Triodia* on limestone (two records) and *Acacia coriacea* on white sand (one record). Smith (1976) found this species in all habitats but noted it “*mostly in siliceous foredunes and consolidated dunes*” and Butler (1970) found it “*on limestone edges of sand dunes*”.

Notoscincus ornatus ornatus

Four records from the old airport and Gorgon project areas. Two records from *Acacia* over *Triodia* on limestone, with single records from each of *Triodia angusta* valleys and *Melaleuca cardiophylla* and *Triodia* on limestone. Not recorded by Butler (1970) but Smith (1976) notes that this species “*can be found in all habitats but is most common in consolidated dunes and loamy flats*”.

Proablepharus reginae

Five records from the alternative campsites, old airport area and Gorgon project area. Three records from *Triodia* on loam, with single records from each of *Triodia angusta* valleys and *Melaleuca cardiophylla* and *Triodia* on limestone. Butler (1970) recorded the species from “*Triodia on sand*” whilst Smith (1976) recorded it only from “*Triodia angusta on sandy soil*” but noted that it was one of the most common lizards on the island.

VARANIDAE

Varanus acanthurus

One record from *Acacia coriacea* on white sand just north of Town Point. Not recorded by Butler (1970) and Smith (1976) collected three specimens, “*two under rubbish, the other out of Triodia*”.

Varanus giganteus

Four observations from the alternative campsites and Gorgon project area. Two observations in *Acacia* over *Triodia* on limestone with one observation from *Triodia* on loam. Butler (1970) described the species as “*wide-ranging over all habitats*” and Smith (1976) had 27 sightings “*in all habitats*”.

Discussion

The 2004 herpetofauna survey recorded only one additional species for the Gorgon project area, the skink *Lerista elegans*. This species was recorded north of Town Point on the edge of the Gorgon footprint. However, the species is widespread elsewhere on the island and appears to be particularly common in white sand areas around Bandicoot Bay. In addition, *Ctenotus pantherinus acripes* was also recorded to the north of the Gorgon footprint which, combined with Butler’s records from the west coast, indicate that the species is widespread outside the Gorgon footprint. None of the species recorded in the Gorgon project area are restricted to that part of the island.

One species that was not recorded during the 2004 survey was the pygopodid *Aprasia rostrata*, even though it was specifically targeted. This species is found on the Montbello Islands and on the Pilbara mainland at Cape Range, so its absence from Barrow Island is surprising. Its apparent absence from the Gorgon project area suggests that searches in the northern part of Barrow Island around Cape Dupuy may be more fruitful. The northern part of the island was separated from the much larger southern part when sea levels were higher a few thousand years ago (W.H. Butler, pers. comm.). As this area is geographically closer to the Montebello Islands, it seems the most likely place for the species to occur, assuming that it is present on Barrow Island.

Another species not recorded by this survey, *Ramphotyphlops longissimus*, is the only reptile species endemic to Barrow Island. However, this species is known from only one pair hauled up from below ground with some well casings (Storr et al. 2002). Based on its morphology, this species appears to spend its entire life in subterranean limestone caves. Thus, there is almost no chance of detecting one during a terrestrial survey such as this one. It is hoped that further stygofauna and troglobitic surveys will reveal more specimens.

A total of 27 reptile species are now known from the Gorgon project area (Table 3). As reptile assemblages can change markedly over time, particularly in arid areas in response to rainfall events, it is unlikely that the reptile list for the Gorgon project area is complete. However, it is likely that any additional species are rare or temporally highly variable in

abundance in the project area. Based on the species recorded so far, none are restricted to the Gorgon project area.

Table 2: Reptile species recorded from the Gorgon Project Area

Family Agamidae	<i>Cyclodomorphus melanops melanops</i>
<i>Ctenophorus caudicinctus caudicinctus</i>	<i>Lerista bipes</i>
<i>Pogona minor</i>	<i>Lerista elegans</i>
Family Pygopodidae	<i>Lerista muelleri</i>
<i>Delma borea</i>	<i>Menetia greyii</i>
<i>Delma nasuta</i>	<i>Morethia ruficauda exquisita</i>
<i>Lialis burtonis</i>	<i>Notoscincus ornatus ornatus</i>
<i>Pygopus nigriceps</i>	<i>Proablepharus reginae</i>
Family Gekkonidae	Family Typhlopidae
<i>Gehyra variegata</i>	<i>Ramphotyphlops ammodytes</i>
<i>Heteronotia binoei</i>	Family Varanidae
<i>Strophurus jeanae</i>	<i>Varanus acanthurus</i>
Family Scincidae	<i>Varanus giganteus</i>
<i>Carlia triacantha</i>	Family Boidae
<i>Cryptoblepharus carnabyi</i>	<i>Antaresia stimsoni</i>
<i>Ctenotus grandis titan</i>	Family Elapidae
<i>Ctenotus pantherinus acripes</i>	<i>Pseudechis australis</i>
<i>Ctenotus saxatilis</i>	

References

- Aplin, K.P. and Smith, L.A. (2001). Checklist of the frogs and reptiles of Western Australia. *Records of the Western Australian Museum Supplement No. 63*: 51-74.
- Butler, W.H. (1970). A summary of the vertebrate fauna of Barrow Island. *Western Australian Naturalist*, **11**: 149-160
- Horner, P. (1991). Skinks of the Northern Territory. Northern Territory Government Printing Office, Darwin.
- Smith, L.A. (1976). The Reptiles of Barrow Island. *Western Australian Naturalist*, **13**: 125-136.
- Storr, G.M., Smith, L.A. and Johnstone, R.E. (2002) Snakes of Western Australia. Western Australian Museum, Perth.

Appendix 1: A list of the all the reptiles seen or captured during the 2004 herpetofauna survey including location and habitat information.

Family	Species	Number	Northing	Easting	Habitat	Comments
AGAMIDAE	<i>Ctenophorus caudicinctus caudicinctus</i>	1	338238	7701179	Acacia over <i>Triodia</i> on limestone	
AGAMIDAE	<i>Ctenophorus caudicinctus caudicinctus</i>	1	331192	7705341	<i>Triodia</i> on limestone	Limestone headland
AGAMIDAE	<i>Ctenophorus caudicinctus caudicinctus</i>	2	338229	7701297	<i>Triodia</i> on limestone	
AGAMIDAE	<i>Ctenophorus caudicinctus caudicinctus</i>	1	338511	7699486	<i>Triodia</i> on limestone	
AGAMIDAE	<i>Ctenophorus caudicinctus caudicinctus</i>	1	338549	7699533	<i>Triodia</i> on limestone	
AGAMIDAE	<i>Ctenophorus caudicinctus caudicinctus</i>	1	338668	7699272	<i>Triodia</i> on limestone	
AGAMIDAE	<i>Ctenophorus caudicinctus caudicinctus</i>	3	339249	7701547	<i>Triodia</i> on limestone	
AGAMIDAE	<i>Ctenophorus caudicinctus caudicinctus</i>	1	337532	7697155	<i>Triodia/Melaleuca</i> on limestone	
AGAMIDAE	<i>Ctenophorus caudicinctus caudicinctus</i>	1	338687	7700567	<i>Triodia/Melaleuca</i> on limestone	
AGAMIDAE	<i>Pogona minor minor</i>	1	337246	7699341	<i>Triodia angusta</i>	In rehab pit
AGAMIDAE	<i>Pogona minor minor</i>	1	337478	7697468	<i>Triodia</i> on red loamy sand	
PYGOPODIDAE	<i>Delma borea</i>	2	337246	7699341	<i>Triodia</i> on red loamy sand	
GEKKONIDAE	<i>Gehyra variegata</i>	1	338229	7701297	<i>Triodia/Melaleuca</i> on limestone	
GEKKONIDAE	<i>Heteronotia binoei</i>	9	337246	7699341	<i>Triodia angusta</i>	On edge of rehab
GEKKONIDAE	<i>Heteronotia binoei</i>	1	338532	7701830	<i>Triodia</i> on limestone	
GEKKONIDAE	<i>Heteronotia binoei</i>	1	337312	7699160	<i>Triodia/Melaleuca</i> on limestone	
GEKKONIDAE	<i>Heteronotia binoei</i>	1	337503	7697172	<i>Triodia/Melaleuca</i> on limestone	
GEKKONIDAE	<i>Heteronotia binoei</i>	1	336068	7699966?		
SCINCIDAE	<i>Cryptoblepharus carnabyi</i>	1	341044	7707397	On bare sandstone below limestone cliff	
SCINCIDAE	<i>Cryptoblepharus carnabyi</i>	3	337971	7696084	Stone walls at camp	
SCINCIDAE	<i>Ctenotus grandis titan</i>	1	338634	7699393	<i>Triodia</i> on red loamy sand	
SCINCIDAE	<i>Ctenotus pantherinus acripes</i>	1	337501	7697096	Acacia over <i>Triodia</i> on limestone	
SCINCIDAE	<i>Ctenotus pantherinus acripes</i>	1	337522	7697137	Acacia over <i>Triodia</i> on loamy sand	
SCINCIDAE	<i>Ctenotus pantherinus acripes</i>	1	339273	7700632	Acacia over <i>Triodia</i> on loamy sand	
SCINCIDAE	<i>Ctenotus pantherinus acripes</i>	1	338567	7699491	<i>Triodia</i> on red loamy sand	
SCINCIDAE	<i>Ctenotus pantherinus acripes</i>	1	339217	7701636	<i>Triodia</i> on red loamy sand	
SCINCIDAE	<i>Ctenotus pantherinus acripes</i>	1	338213	7701261	<i>Triodia/Melaleuca</i> on limestone	
SCINCIDAE	<i>Ctenotus pantherinus acripes</i>	3	338286	7701408	<i>Triodia/Melaleuca</i> on limestone	
SCINCIDAE	<i>Ctenotus saxatilis</i>	1	339325	7700252	Acacia over <i>Triodia</i> on limestone	

SCINCIDAE	<i>Ctenotus saxatilis</i>	1	334970	7710149 Dead <i>Triodia</i> along creek	
SCINCIDAE	<i>Ctenotus saxatilis</i>	1	336068	7699966 Scattered herbs on bare hard loam	Dead in pit trap
SCINCIDAE	<i>Ctenotus saxatilis</i>	1	339283	7700651 <i>Triodia</i> on red loamy sand	
SCINCIDAE	<i>Ctenotus saxatilis</i>	1	338238	7701333 <i>Triodia/Melaleuca</i> on limestone	Dead in pit trap
SCINCIDAE	<i>Cyclodomorphus melanops melanops</i>	2	337280	7699424 Sparse Acacia over <i>Triodia</i> on rehab	
SCINCIDAE	<i>Cyclodomorphus melanops melanops</i>	1	337618	7699160 <i>Triodia angusta</i>	
SCINCIDAE	<i>Cyclodomorphus melanops melanops</i>	1	?	?	<i>Triodia angusta</i>
SCINCIDAE	<i>Cyclodomorphus melanops melanops</i>	1	336780	7699632 <i>Triodia</i> on edge of rehab	
SCINCIDAE	<i>Cyclodomorphus melanops melanops</i>	1	338532	7701830 <i>Triodia</i> on limestone	
SCINCIDAE	<i>Cyclodomorphus melanops melanops</i>	2	339182	7701655 <i>Triodia</i> on red loamy sand	
SCINCIDAE	<i>Cyclodomorphus melanops melanops</i>	1	339429	7700567 <i>Triodia/Melaleuca</i> on limestone	
SCINCIDAE	<i>Cyclodomorphus melanops melanops</i>	4	337246	7699341 ?	
SCINCIDAE	<i>Lerista bipes</i>	1	339640	7700217 Acacia coriacea on wet sand dune	
SCINCIDAE	<i>Lerista bipes</i>	1	339664	7700258 Acacia coriacea on wet sand dune	
SCINCIDAE	<i>Lerista bipes</i>	1	338646	7698278 Acacia coriacea over <i>Triodia</i> on sand	
SCINCIDAE	<i>Lerista bipes</i>	1	339056	7699662 Acacia over <i>Triodia</i> on loamy sand	
SCINCIDAE	<i>Lerista bipes</i>	1	340007	7700502 Acacia over <i>Triodia</i> on loamy sand	
SCINCIDAE	<i>Lerista bipes</i>	2	339056	7699662 Acacia coriacea on white beach sand	Dead in pit trap
SCINCIDAE	<i>Lerista bipes</i>	2	339262	7700983 <i>Triodia/Melaleuca</i> on limestone	
SCINCIDAE	<i>Lerista elegans</i>	1	339918	7700662 Acacia coriacea on white beach sand	
SCINCIDAE	<i>Lerista muelleri</i>	1	338260	7701133 Acacia over <i>Triodia</i> on limestone	
SCINCIDAE	<i>Lerista muelleri</i>	1	338800	7699243 Acacia over <i>Triodia</i> on limestone	
SCINCIDAE	<i>Lerista muelleri</i>	1	337363	7700956 <i>Triodia</i> on limestone	
SCINCIDAE	<i>Lerista muelleri</i>	1	339056	7699662 <i>Triodia</i> on limestone	Dead in pit trap
SCINCIDAE	<i>Lerista muelleri</i>	1	339270	7700280 <i>Triodia/Melaleuca</i> on limestone	Dead in pit trap
SCINCIDAE	<i>Lerista muelleri</i>	2	337503	7697172 <i>Triodia/Melaleuca</i> on limestone	
SCINCIDAE	<i>Menetia greyii</i>	1	337529	7699257 <i>Triodia/Melaleuca</i> on limestone	
SCINCIDAE	<i>Menetia greyii</i>	1	334970	7710149 Dead <i>Triodia</i> along creek	
SCINCIDAE	<i>Menetia greyii</i>	1	337541	7697063 <i>Melaleuca & Acacia</i> over <i>Triodia</i> on sandy loam	
SCINCIDAE	<i>Menetia greyii</i>	7	337246	7699341 <i>Triodia</i> on edge of rehab	
SCINCIDAE	<i>Menetia greyii</i>	2	338589	7699433 <i>Triodia</i> on red loamy sand	
SCINCIDAE	<i>Menetia greyii</i>	1	339556	7700383 <i>Triodia</i> on red loamy sand	
SCINCIDAE	<i>Menetia greyii</i>	2	337363	7700956 <i>Triodia/Melaleuca</i> on limestone	

SCINCIDAE	<i>Menetia greyii</i>	1	337532	7697155 <i>Triodia/Melaleuca</i> on limestone
SCINCIDAE	<i>Menetia greyii</i>	1	338516	7699499 <i>Triodia/Melaleuca</i> on limestone
SCINCIDAE	<i>Menetia greyii</i>	1	339262	7700983 <i>Triodia/Melaleuca</i> on limestone
SCINCIDAE	<i>Morethia ruficauda exquisita</i>	1	339918	7700662 <i>Acacia coriacea</i> on white beach sand
SCINCIDAE	<i>Morethia ruficauda exquisita</i>	1	338556	7700668 <i>Triodia/Melaleuca</i> on limestone
SCINCIDAE	<i>Morethia ruficauda exquisita</i>	1	338800	7699499 <i>Triodia/Melaleuca</i> on limestone
SCINCIDAE	<i>Notoscincus ornatus ornatus</i>	1	337246	7699341 <i>Triodia angusta</i>
SCINCIDAE	<i>Notoscincus ornatus ornatus</i>	1	338516	7699499 <i>Triodia</i> on limestone
SCINCIDAE	<i>Notoscincus ornatus ornatus</i>	1	339056	7699662 <i>Triodia</i> on limestone
SCINCIDAE	<i>Notoscincus ornatus ornatus</i>	1	339264	7700988 <i>Triodia/Melaleuca</i> on limestone
SCINCIDAE	<i>Proablepharus reginae</i>	1	337478	7697468 <i>Acacia</i> over <i>Triodia</i> on loamy sand
SCINCIDAE	<i>Proablepharus reginae</i>	1	339124	7699538 <i>Acacia</i> over <i>Triodia</i> on loamy sand
SCINCIDAE	<i>Proablepharus reginae</i>	1	338202	7699061 <i>Melaleuca</i> over <i>Triodia</i> on loamy sand
SCINCIDAE	<i>Proablepharus reginae</i>	1	337246	7699341 <i>Triodia angusta</i>
SCINCIDAE	<i>Proablepharus reginae</i>	1	338266	7701364 <i>Triodia/Melaleuca</i> on limestone
VARANIDAE	<i>Varanus acanthurus</i>	1	339918	7700662 <i>Acacia coriacea</i> on white beach sand
VARANIDAE	<i>Varanus giganteus</i>	1	338668	7699272 <i>Triodia</i> on limestone
VARANIDAE	<i>Varanus giganteus</i>	1	339914	7700365 <i>Triodia</i> on limestone
VARANIDAE	<i>Varanus giganteus</i>	1	336836	7697617 <i>Triodia</i> on red loamy sand
VARANIDAE	<i>Varanus giganteus</i>	1	339007	7700831 ?

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