

Australian Wildlife Conservancy

Paruna Sanctuary

Dec 2003

Vertebrate Fauna Surveys

Spring 2003 (Trapping Period 12)

Introduction

This report forms part of the on going biannual monitoring of Paruna Sanctuary and is an addendum to earlier reports produced 6 monthly from June 2000.

Methods

Trapping at Paruna involved the use of Sheffield cage traps, large Elliott traps, small Elliott traps and Pit-traps. Table 1 shows trapping effort and Table 2 shows trapping dates for the period.

Table 1:- Trapping Effort (Spring 2003)

Biannual trapping	West Block	East Block	Total
Pit-trap/Nights	84	72	156
Large Elliott trap/nights	84	72	156
Medium Elliott trap/nights	84	72	156
Sheffield trap/nights	210	210	420
Tammar Trap	6	9	15
Total Traps	468	435	903

All cage traps and pit lines were checked and emptied mornings and evenings. (For full trapping methodology refer to the Autumn 1999 Report.)

Table 2:- Trapping Dates Spring 2003

West Block	East Block
11th-13th Nov	25 th -27 th Nov

Results & Discussion

A total of 55 captures (including 7 re-traps) were made during the Spring trapping period. Five species of native mammals were recorded. This compares favourably to earlier trapping results from 1994 to 1996 when only 2 native mammals were recorded (Brushtail Possum and Echidna). Three of the species recorded (Tammar Wallaby, Woylie and Quenda) were translocated to Paruna Sanctuary after the commencement of feral animal control.

Table 3:- Summary of trapping results

Native Mammals	Total
Woylie	5
Tammar Wallaby	1
Chuditch	8
Brushtail Possum	1
Quenda	1
Exotic Mammals	
House Mouse	6
Birds	
Australian Raven	1
Magpie	2
Reptiles	
<i>Tiliqua rugosa</i>	9
<i>Ctenotus fallens</i>	1
<i>Menetia greyii</i>	5
<i>Morethia obscura</i>	2
<i>Hemiergus initialis</i>	1
<i>Diplodactylus granensis</i>	1
<i>Pogona minor</i>	1
<i>Ramphotyphlops australis</i>	7
<i>Varanus tristis</i>	1
Frogs	
<i>Pseudophryne guentheri</i>	1
<i>Helioporus braycragus</i>	1
Total	55
Trap Rate	6.09%

The Honey Possum, recorded previously, was not captured during this survey. Of significant interest is the capture of a further 8 Chuditch. It should be noted that during this trapping period extreme weather conditions were encountered, with two days over 40 degrees in the first week, followed by heavy rainfall during the second week.

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Methods

Trapping at Paruna involved the use of Sheffield cage traps, large Elliott traps, small Elliott traps and Pit-traps. Table 1 shows trapping effort and Table 2 shows trapping dates for the period.

Table 1:- Trapping Effort (Spring 2004)

Biannual trapping	West Block 27 th -29 th Oct	East Block 9 th -11 th Nov	Total
Pit-trap/Nights	96	60	156
Large Elliott trap/nights	96	60	156
Medium Elliott trap/nights	96	60	156
Sheffield trap/nights	210	210	420
Total Traps	498	390	888

All cage traps and pit lines were checked and emptied mornings and evenings. (For full trapping methodology refer to the Autumn 1999 Report.)

Results & Discussion

Table 2:- Summary of trapping results

Native Mammals	Total
Tammar Wallaby	1
Chuditch	1
Echidna	2
Woylie	14 (inc 4 retraps)
Quenda	3 (inc 1 retrap)
Exotic Mammals	
House Mouse	1
Black Rat	1
Birds	

Australian Raven	2
Magpie	3
Rufous Treecreeper	1
Reptiles	
<i>Tiliqua rugosa</i>	24
<i>Hemiergis initialis</i>	4
<i>Ramphotyphlops australis</i>	2
Total	59 (6.6%)

A total of 59 captures (including 5 known re-traps) were made during the Spring trapping period. Five species of native mammals were recorded including Woylie & Quenda, which were not recorded during the previous trapping period. During this period there was a release of Woylie and Quenda in July, and most individuals trapped were from this release. For details of individuals caught refer to the Woylie & Quenda Dec 2004 reports.