

Appendix I  
Terrestrial Fauna Survey Methodology

# Contents

## Appendix I Terrestrial Fauna Survey Methodology

<b>I.1</b>	<b>Terrestrial Fauna Survey Methodology</b>	<b>I-1</b>
<b>I.2</b>	<b>Terrestrial Fauna Trapping Results</b>	<b>I-4</b>
<b>I.3</b>	<b>Summary of Terrestrial Fauna Survey Results</b>	<b>I-7</b>
<b>I.4</b>	<b>Terrestrial Fauna Combined Survey Results</b>	<b>I-15</b>

Appendix I.1  
Terrestrial Fauna Survey Methodology

# Appendix I.1

## Terrestrial Fauna Survey Methodology

### **Detailed Methods for Terrestrial 2002-03 Fauna Survey**

Sampling for the terrestrial fauna survey was carried out at seven sites in the Glyde and McArthur Rivers in December 2002 and April 2003 (Figure 13.4).

Standard biological survey techniques were used during field surveys, including a number of live capture/release trapping techniques, standard and general observational and habitat searches, as well as methods to indirectly detect the presence of terrestrial fauna. The survey focussed on rare and threatened/significant terrestrial vertebrate taxa, with incidental observations aimed at identification of any significant terrestrial invertebrate species. The following survey methods were employed for the main fauna groups.

The taxonomy, nomenclature and sequences of families, genera and species used in this report generally follow that described by Stanger *et al.* (1998), Menkhorst & Knight (2001) and Christidis & Boles (1994), with the exception of recently published taxonomic revisions.

### **Live Capture/Release Trapping**

Small mammals, amphibians and reptiles were surveyed using a number of live trapping methods, conducted under Parks and Wildlife Commission of the Northern Territory Permit Number 14818. Live capture/release methods included aluminium type A Elliott box traps for small mammals, wire cage traps for small to medium sized mammals and pitfall traps with drift fences.

Elliott type A traps (80mm x 90mm x 330mm) were placed at ten metre intervals along transects at survey sites (20 Elliott traps per transect). Traps were baited with a standard bait mixture and were operated over a three-night period at each trap site. Total effort included 600 Elliott trap nights in the Glyde River Gorge/escarpment habitats and 240 Elliott trap nights in the McArthur River floodplain/riverine habitats.

Pitfall traps and wire cage traps were located at each site in the McArthur River floodplain/riverine habitats and operated over three nights. Pitfall trap systems incorporated one 50cm PVC buckets with a screen drift fence (~10 m long x 0.2 m high). Wire cage traps for small to medium sized mammals (600mm x 300mm x 300mm) were baited with a standard bait mix. Pitfall and wire cage traps were located opportunistically in the vicinity of Elliott trap lines.

Insectivorous (microchiropteran) bats were sampled using mist nets and hand nets. Mist nets were used along potential flyways in riparian habitats, at the entrances of natural roost sites in escarpment/gorge habitats and around culverts and bridge structures. Hand nets were used to capture bats at roost sites in escarpment/gorge habitats and at artificial roosts in culverts and under bridge structures in floodplain habitats.

### **Hair Funnels, Scat Analysis and Signs**

Hair funnels were used as an additional method in the Glyde River Gorge/escarpment habitat. Hair funnels were baited and placed on the ground and in rock crevices to target ground, scansorial and

# Appendix I.1

## Terrestrial Fauna Survey Methodology

saxicoline dwelling mammals at survey sites throughout the Glyde component of the study area (8 funnels x 10 sites). Hair funnels were placed opportunistically in the vicinity of Elliott trap lines and were operated for a total of 240 hair funnel nights.

Fauna species identifications were also compiled from evidence of fauna presence, including tracks, scats, skeletal material and other signs. Predator and other scats encountered within the study area were collected for analysis.

### **Avifauna**

Diurnal birds were sampled using timed area searches and broad observational surveys during other time spent within the study area. Timed area searches included identification of all bird species seen or heard with 100 x 200 metre area during a 10-minute search period, commencing at dawn and including other survey periods (afternoon and dusk). Search areas were chosen to represent specific habitat/vegetation types, with each search area a minimum of 200m apart. Additional bird species records were compiled incidentally, during spotlight survey and from vocalisations.

Nocturnal birds were targeted during spotlight surveys and the presence of nocturnal species was assessed by call playback of selected species following the methodology described by Debus (1995). This involves the broadcast of recorded calls of selected species for a standard period of time, followed by a period spent listening for calls of nocturnal birds and spotlighting in the immediate area. Nocturnal birds were detected during vehicle spotlighting transects, spotlighting for other fauna groups and from vocalisations.

### **Spotlight Survey**

Spotlighting on foot using 50-watt spotlights and low-watt hand-held torches was undertaken in representative habitat types (~1 hour per site over two nights between dusk and 2200 hours). Spotlight survey incorporated searching for larger species on the ground and in trees with spotlights and searches for small nocturnal mammals, reptiles and frogs on the ground, deadwood, trees and rock surfaces. Spotlighting from a slow moving vehicle was undertaken along the main tracks and gridlines between survey sites and on the sealed roads in the McArthur River floodplain component of the study area.

### **Bat Echolocation Call Detection**

Microchiropteran bat echolocation calls were recorded using ultrasonic bat call detectors (Anabat II; Titley Electronics). Anabat detection was conducted from fixed points during spotlight survey at survey sites and from remote detection points using monitor mode or delay switches. Echolocation call detection was undertaken at all survey sites for a period of 30 minutes in the period between dusk and 2200 hours. In addition remote Anabat detection was undertaken at a number of survey sites to record microchiropteran bat activity in the period from ~2200 hours to dawn. Thirty-minute Anabat recordings were compiled at additional habitat features within the study area, including major water bodies (tailings dams), the existing mining camp/aerodrome and smaller tributaries on the McArthur River floodplain (Surprise and Barney Creeks). Calls were analysed with reference to Milne (2002) and reference calls collected in the local area.

# Appendix I.1

## Terrestrial Fauna Survey Methodology

### Active Diurnal Searches

Active diurnal searching for reptiles, amphibians and small mammals included scanning of trees and ground, removal of cover such as rocks and fallen logs and peeling the bark from trees (opportunistic at terrestrial survey sites). Large mammals and reptiles were recorded when encountered during trapping and bird survey, and along roads and tracks throughout the study area. Observations made of wildlife recorded outside of the main sampling sites were noted according to the habitat in which they were observed.

### References

Christides, L. and Boles, W.E. (1994) *The taxonomy and species of birds of Australia and its territories*. Royal Australian Ornithologists Union, Monograph 2, Melbourne.

Menkhorst, P. and Knight, F. (2001) *A field guide to the mammals of Australia*. Oxford University Press Melbourne.

Milne, D.J. (2002) *Bat Calls of the Top End of the Northern Territory*. PWCNT Palmerston.

Stanger, M., Clayton, M., Schodde, R., Wombey, J. and Mason, I. (1998) *CSIRO List of Australian Vertebrates*, CSIRO Publishing, Australia.

Appendix I.2  
Terrestrial Fauna Trapping Results

## Appendix I.2

# Terrestrial Fauna Survey Methodology Trapping Results

### Results of Elliot and Pitfall Trapping Program 2002-2003

E= Elliot trap trapline; P= Pitfall trap trapline

Sample Site	Trapline	Total Trapnights	F1	F1	F1	F1	F1	F2	F2	F3	F3	F3	F4	F5	F5	F6	F6	F7	F7
			E1	E2	E3	E4	E5	E1	E2	E1	E2	E3	E1	E1	P1	E1	P1	E1	P1
Common name	Scientific name		75	75	75	75	75	50	50	50	50	50	60	60	12	60	6	60	6
Desert Froglet	<i>Crinia deserticola</i>																		2
Ornate Burrowing Frog	<i>Limnodynastes ornatus</i>												2		2				
Green Tree Frog	<i>Litoria caerulea</i>												1					1	2
Pale Frog	<i>Litoria pallida</i>																		1
Cane Toad	<i>Bufo marinus</i>													2	37		1	3	27
Binoe's Gecko	<i>Heteronotia binoei</i>																		2
Gilbert's Lashtail	<i>Lophognathus gilberti</i>																	1	1
Bar-shouldered Ctenotus	<i>Ctenotus inornatus</i>						1												
Stripe-headed Finesnout Ctenotus	<i>Ctenotus striaticeps</i>					1													
Main's Skink	<i>Menetia maini</i>																1		
Common rock-rat	<i>Zyzomys argurus</i>			3			1					1							

## Appendix I.3

### Summary of Terrestrial Fauna Survey Results

## Appendix I.3

# Summary of Terrestrial Fauna Survey Methodology Results

### Summary of Terrestrial Fauna 2002-2003 Surveys Results

Common name	Scientific name	Fauna Sample Sites							Additional Sites		
		F1	F2	F3	F4	F5	F6	F7	Camp/ Airstrip	Tailings Dam	
<b>Amphibians</b>											
Desert Froglet	<i>Crinia deserticola</i>		x					x	x		x
Ornate Burrowing Frog	<i>Limnodynastes ornatus</i>	x				x		x			
Giant Frog	<i>Cyclorana australis</i>	x				x	x	x	x		x
Knife-foot Frog	<i>Cyclorana cultripes</i>							x			
Green Tree Frog	<i>Litoria caerulea</i>	x	x		x	x	x	x	x		
Peter's Frog	<i>Litoria inermis</i>		x					x			
Rockhole Frog	<i>Litoria meiriana</i>	x	x								
Rocket Frog	<i>Litoria nasuta</i>										x
Pale Frog	<i>Litoria pallida</i>	x	x					x			
Roth's Tree Frog	<i>Litoria rothi</i>	x	x						x		x
Desert Tree Frog	<i>Litoria rubella</i>					x			x		x
Wotjulum Frog	<i>Litoria wotjulumensis</i>		x								
Cane Toad	<i>Bufo marinus</i>	x	x		x	x	x	x	x	x	x
	<b>Total spp (13)</b>	<b>7</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>4</b>	<b>8</b>	<b>5</b>	<b>6</b>	
<b>Reptiles</b>											
Freshwater Crocodile	<i>Crocodylus johnstoni</i>	x	x			x					
Worrell's Turtle	<i>Emydura worrelli</i>	x	x		x	x					
Northern Dtella	<i>Gehyra australis</i>								x		
Borroloola Gecko	<i>Gehyra borroloola</i>	x									
House Gecko	<i>Hemidactylus frenatus</i>					x			x		
Binoe's Gecko	<i>Heteronotia binoei</i>							x			
Sandstone Heteronotia	<i>Heteronotia planiceps</i>	x									
Sharp-snouted Delma	<i>Delma nasuta</i>	x									
Burton's Legless Lizard	<i>Lialis burtonis</i>										
Ring-tailed Dragon	<i>Ctenophorus caudicinctus</i>	x	x								
Gilbert's Lashtail	<i>Lophognathus gilberti</i>	x	x	x		x		x			

## Appendix I.3 Summary of Terrestrial Fauna Survey Methodology Results

Common name	Scientific name	Fauna Sample Sites							Additional Sites	
		F1	F2	F3	F4	F5	F6	F7	Camp/ Airstrip	Tailings Dam
Yellow-spotted Monitor	<i>Varanus panoptes</i>	x							x	
Bauxite Rainbow-skink	<i>Carlia amax</i>		x	x					x	
Shaded-litter Rainbow-skink	<i>Carlia munda</i>		x	x					x	
Blotched Shinning-skink	<i>Cryptoblepharus megastictus</i>		x							
Callose-palmed Shinning-skink	<i>Cryptoblepharus plagiocephalus</i>					x	x		x	
Bar-shouldered Ctenotus	<i>Ctenotus inornatus</i>	x	x							
Stripe-headed Finesnout Ctenotus	<i>Ctenotus striaticeps</i>	x								
Main's Skink	<i>Menetia maini</i>						x			
Northern Bluetongue	<i>Tiliqua scincoides</i>									
Children's Python	<i>Antaresia childreni</i>	x	x				x			
Olive Python	<i>Liasis olivaceus</i>									x
Black-headed Python	<i>Aspidites melanocephalus</i>						x			
Arafura File Snake	<i>Acrochordus arafurae</i>				x	x				
Common Tree Snake	<i>Dendrelaphus punctulatus</i>	x	x							
Freshwater Snake	<i>Tropidonophis mairii</i>					x				
Black Whip Snake	<i>Demansia atra</i>		x							
	<b>Total spp. (27)</b>	<b>12</b>	<b>11</b>	<b>3</b>	<b>2</b>	<b>7</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>1</b>
<b>Birds</b>										
Emu	<i>Dromaius novaehollandiae</i>	x								
Magpie Goose	<i>Anseranas semipalmata</i>	x								x
Black Swan	<i>Cygnus atratus</i>									x
Pacific Black Duck	<i>Anas superciliosa</i>	x	x							x
Grey Teal	<i>Anas gracilis</i>	x								x
Pink-eared Duck	<i>Malacorhynchus membranaceus</i>									x
Hardhead	<i>Aythya australis</i>									x
Hoary-headed Grebe	<i>Poliiocephalus poliocephalus</i>									x
Darter	<i>Anhinga melanogaster</i>	x								
Pied Cormorant	<i>Phalacrocorax varius</i>					x				
Little Pied Cormorant	<i>Phalacrocorax melanoleucas</i>	x				x				
Little Black Cormorant	<i>Phalacrocorax sulcirostris</i>	x								
Australian Pelican	<i>Pelicanus conspicillatus</i>	x								

## Appendix I.3

### Summary of Terrestrial Fauna Survey Methodology Results

Common name	Scientific name	Fauna Sample Sites							Additional Sites	
		F1	F2	F3	F4	F5	F6	F7	Camp/ Airstrip	Tailings Dam
White-necked Heron	<i>Ardea pacifica</i>	x					x	x		
Great-billed Heron	<i>Ardea sumatrana</i>	x								
White-faced Heron	<i>Ardea novaehollandiae</i>			x						
Great Egret	<i>Ardea alba</i>	x	x	x						
Intermediate Egret	<i>Ardea intermedia</i>	x								
Nankeen Night Heron	<i>Nycticorax caledonicus</i>	x	x			x				
Black Bittern	<i>Ixobrychus flavicollis</i>	x								
Black-necked Stork	<i>Ephippiorhynchus asiaticus</i>	x	x				x			
Osprey	<i>Pandion haliaetus</i>	x								
Black Kite	<i>Milvus migrans</i>			x		x	x	x	x	
Whistling Kite	<i>Haliastur spheonurus</i>	x		x	x	x				
White-bellied Sea-eagle	<i>Haliaeetus leucogaster</i>	x								
Little Eagle	<i>Hieraaetus morphnoides</i>		x							
Wedge-tailed Eagle	<i>Aquila audax</i>							x		
Australian Hobby	<i>Falco longipennis</i>	x								
Peregrine Falcon	<i>Falco peregrinus</i>	x								
Grey Falcon	<i>Falco hypoleucos</i>	x								
Brown Falcon	<i>Falco berigora</i>						x		x	
Brolga	<i>Grus rubicunda</i>						x	x		
Buff-banded Rail	<i>Gallirallus philippensis</i>							x	x	
Dusky Moorhen	<i>Gallinula tenebrosa</i>	x								
Purple Swamphen	<i>Porphyrio porphyrio</i>	x								
Eurasian Coot	<i>Fulica atra</i>									x
Australian Bustard	<i>Ardeotis australis</i>							x		
Red-backed Button-quail	<i>Turnix maculosa</i>						x			
Little Button-quail	<i>Turnix velox</i>						x			
Red-chested Button-quail	<i>Turnix pyrrhorthorax</i>									x
Black-winged Stilt	<i>Himantopus himantopus</i>	x								
Black-fronted Dotterel	<i>Euseyonis melanops</i>	x	x							
Oriental Plover	<i>Charadrius veredus</i>								x	
Masked Lapwing	<i>Vanellus miles</i>								x	

## Appendix I.3

### Summary of Terrestrial Fauna Survey Methodology Results

Common name	Scientific name	Fauna Sample Sites							Additional Sites	
		F1	F2	F3	F4	F5	F6	F7	Camp/ Airstrip	Tailings Dam
Oriental Pratincole	<i>Glareola maldivarum</i>								x	
Australian Pratincole	<i>Siltia isabella</i>								x	
Peaceful Dove	<i>Geopelia striata</i>	x	x	x	x	x	x	x	x	
Bar-shouldered Dove	<i>Geopelia humeralis</i>	x	x	x	x	x			x	
Crested Pigeon	<i>Ochyphaps lophotes</i>						x	x	x	
Spinifex Pigeon	<i>Geophaps plumifera</i>									
Red-tailed Black-Cockatoo	<i>Calyptorhynchus banksii</i>	x			x				x	
Sulphur-crested Cockatoo	<i>Cacatua galerita</i>				x	x	x	x		
Galah	<i>Cacatua roseicapilla</i>				x		x	x		
Red-collared Lorikeet	<i>Trichoglossus rubritorquis</i>				x	x	x	x	x	
Red-winged Parrot	<i>Aprosmictus erythropterus</i>	x			x	x	x	x		
Northern Rosella	<i>Platycerus venustus</i>					x				
Pallid Cuckoo	<i>Cuculus pallidus</i>				x	x				
Brush Cuckoo	<i>Cacomantis variolosus</i>	x			x	x				
Black-eared Cuckoo	<i>Chrysococcyx osculans</i>							x		
Channel-billed Cuckoo	<i>Scythrops novaehollandiae</i>	x	x	x	x		x	x	x	
Common Koel	<i>Eudynamys scolopacea</i>	x								
Pheasant Coucal	<i>Centropus phasianinus</i>	x	x		x					
Barking Owl	<i>Ninox connivens</i>	x								
Southern Boobook	<i>Ninox novaeseelandiae</i>				x					
Tawny Frogmouth	<i>Podargus strigoides</i>					x			x	
Australian Owlet-nightjar	<i>Aegotheles cristatus</i>	x								
Azure Kingfisher	<i>Alcedo azurea</i>	x			x	x				
Red-backed Kingfisher	<i>Todiramphus pyrrhopygia</i>					x	x			
Sacred Kingfisher	<i>Todiramphus sanctus</i>				x	x	x			
Blue-winged Kookaburra	<i>Dacelo leachii</i>	x	x			x	x		x	
Rainbow Bee-eater	<i>Merops ornatus</i>	x	x	x		x	x		x	
Dollarbird	<i>Eurystomus orientalis</i>							x	x	
Purple-crowned Fairy-wren	<i>Malurus coronatus</i>				x	x				
Variegated Fairy-wren	<i>Malurus lamberti</i>	x	x	x						
Red-backed Fairy-wren	<i>Malurus melanocephalus</i>		x			x	x	x		

## Appendix I.3

### Summary of Terrestrial Fauna Survey Methodology Results

Common name	Scientific name	Fauna Sample Sites							Additional Sites	
		F1	F2	F3	F4	F5	F6	F7	Camp/ Airstrip	Tailings Dam
Striated Pardalote	<i>Pardalotus striatus</i>				x	x	x			
Weebill	<i>Smicromis brevirostris</i>	x	x				x			
Silver-crowned Friarbird	<i>Philemon argenticeps</i>						x		x	
Little Friarbird	<i>Philemon citreogularis</i>						x	x		
White-gaped Honeyeater	<i>Lichenostomus unicolor</i>		x	x	x	x				
Yellow-tinted Honeyeater	<i>Lichenostomus flavescens</i>	x		x		x	x			
Grey-fronted Honeyeater	<i>Lichenostomus plumulus</i>	x								
Dusky Honeyeater	<i>Myzomela obscura</i>	x	x	x					x	
Brown Honeyeater	<i>Lichmera indistincta</i>	x	x		x				x	
Rufous-throated Honeyeater	<i>Conopophila rufogularis</i>						x	x		
Banded Honeyeater	<i>Certhionyx pectoralis</i>	x								
White-browed Robin	<i>Poecilodryas superciliosa</i>	x	x		x	x				
Grey-crowned Babbler	<i>Pomatostomus temporalis</i>						x	x	x	
Rufous Whistler	<i>Pachycephala rufiventris</i>	x			x	x	x			
Sandstone Shrike-thrush	<i>Colluricincla woodwardi</i>	x								
Grey Shrike-thrush	<i>Colluricincla harmonica</i>	x			x	x				
Restless Flycatcher	<i>Myiagra inquieta</i>	x	x		x	x				
Magpie-lark	<i>Grallina cyanoleuca</i>	x					x	x		
Rufous Fantail	<i>Rhipidura rufifrons</i>	x	x							
Willie Wagtail	<i>Rhipidura leucophrys</i>	x	x				x	x	x	
Black-faced Cuckoo-shrike	<i>Coracina novaehollandiae</i>						x	x	x	
White-bellied Cuckoo-shrike	<i>Coracina papuensis</i>					x	x	x		
Varied Triller	<i>Lalage leucomela</i>									
White-winged Triller	<i>Lalage sueurii</i>							x		
Olive-backed Oriole	<i>Oriolus sagittatus</i>					x	x			
Black-faced Woodswallow	<i>Artamus cinereus</i>					x		x		
Little Woodswallow	<i>Artamus minor</i>	x	x	x	x	x			x	
Pied Butcherbird	<i>Cracticus nigrogularis</i>				x		x	x	x	
Australian Magpie	<i>Gymnorhina tibicen</i>							x		
Torresian Crow	<i>Corvus orru</i>	x				x	x	x	x	
Australian Raven	<i>Corvus coronoides</i>					x		x		

## Appendix I.3

### Summary of Terrestrial Fauna Survey Methodology Results

Common name	Scientific name	Fauna Sample Sites							Additional Sites	
		F1	F2	F3	F4	F5	F6	F7	Camp/ Airstrip	Tailings Dam
Great Bowerbird	<i>Chlamydera nuchalis</i>	x	x	x		x	x	x	x	
Double-barred Finch	<i>Taeniopygia bichenovii</i>	x	x			x	x	x	x	
Crimson Finch	<i>Neochmia phaeton</i>	x	x		x	x				
Long-tailed Finch	<i>Poephila acuticauda</i>						x		x	
Chestnut-breasted Mannikin	<i>Lochnura castaneothorax</i>					x				
Mistletoebird	<i>Dicaeum hirundinaceum</i>					x	x	x		
Fairy Martin	<i>Hirundo ariel</i>	x		x						
Golden-headed Cisticola	<i>Cisticola exilis</i>						x	x		
	<b>Total spp. (144)</b>	<b>59</b>	<b>26</b>	<b>15</b>	<b>26</b>	<b>39</b>	<b>39</b>	<b>34</b>	<b>28</b>	<b>9</b>
<b>Mammals</b>										
Short-beaked Echidna	<i>Tachyglossus aculeatus</i>		x							
Northern Quoll	<i>Dasyurus hallucatus</i>	x								
Long-tailed Planigale	<i>Planigale ingrami</i>									
Rock Ringtail Possum	<i>Petropseudes dahl</i>	x								
Agile Wallaby	<i>Macropus agilis</i>				x	x			x	
Common Wallaroo	<i>Macropus robustus</i>	x	x							
Little Red Flying Fox	<i>Pteropus scapulatus</i>					x				
Yellow-bellied Sheathtail-bat	<i>Saccolaimus flaviventris</i>	x	x				x		x	x
Common Sheathtail-bat	<i>Taphozous georgianus</i>	x	x	x						
Dusky Leaf-nosed Bat	<i>Hipposideros ater</i>						x			
Gould's Wattled Bat	<i>Chalinolobus gouldi</i>	x	x			x	x	x	x	
Northern Myotis	<i>Myotis moluccarum</i>	x				x				
Unident Long-eared Bat	<i>Nyctophilus sp.</i>	x	x		x	x		x	x	x
Little Broad-nosed Bat	<i>Scotorepens greyii</i>									
Little Broad-nosed Bat/Hoary Wattled Bat	<i>S. greyii/Chalinolobus nigrogriseus</i>	x	x				x			x
Northern Cave Bat	<i>Vespadelus caurinus</i>	x	x	x					x	x
Northern Freetail Bat	<i>Chaerephon jobensis</i>	x	x		x				x	x
Common Rock-rat	<i>Zyomus argurus</i>	x	x	x						
Dingo	<i>Canis lupus dingo</i>					x		x	x	
Donkey	<i>Equus asinus</i>				x	x			x	

## Appendix I.3

### Summary of Terrestrial Fauna Survey Methodology Results

Common name	Scientific name	Fauna Sample Sites							Additional Sites	
		F1	F2	F3	F4	F5	F6	F7	Camp/ Airstrip	Tailings Dam
Cattle	<i>Bos taurus/indicus</i>					x				
Pig	<i>Sus scrofa</i>	x								
Feral Cat	<i>Felis catus</i>							x	x	
	<b>Total spp (23)</b>	<b>13</b>	<b>10</b>	<b>3</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>4</b>	<b>9</b>	<b>5</b>

## Appendix I.4

### Terrestrial Fauna Combined Survey Results

## Appendix I.4

### Terrestrial Fauna Survey Methodology

#### Terrestrial Fauna Recorded at McArthur River Mine Project Area 1986-2003

References: 1=Current Survey, 2003; 2=Ecostudy (1992); 3=Hollingsworth Dames & Moore (1992); 4=Martin & McKean (1986); 5=Tyler (1992); 6=MRM bird obs 1999-2002.

Terrestrial Fauna Species		Habitats Recorded						Mine site (habitat not specified)
		Glyde R. gorge	Sandstone plateau	McArthur R. Riverine	Woodland/ grassland	Stony Rises	Existing Tailings Dam	
Common name	Scientific name							
<b>Amphibians</b>								
Desert Froglet	<i>Crinia deserticola</i>	1		2,3	1,3	3	1	5
Ornate Burrowing Frog	<i>Limnodynastes ornatus</i>	1		1,2,3	3	3		5
Stonemason Toadlet	<i>Uperoleia lithomoda</i>							5
Floodplain Toadlet	<i>Uperoleia inundata</i>							5
Giant Frog	<i>Cyclorana australis</i>	1		1,2,3	1,2,3		1	5
Hidden-ear Frog	<i>Cyclorana cryptotis</i>							5
Knife-foot Frog	<i>Cyclorana cultripes</i>				1,2,3	3		5
Bicolor Tree Frog	<i>Litoria bicolor</i>							5
Green Tree Frog	<i>Litoria caerulea</i>	1		1,2	1,3	2		5
Peter's Frog	<i>Litoria inermis</i>	1		2				5
Rockhole Frog	<i>Litoria meiriana</i>	1						5
Rocket Frog	<i>Litoria nasuta</i>			2	1		1	5
Pale Frog	<i>Litoria pallida</i>	1		2,3	1			5
Roth's Tree Frog	<i>Litoria rothi</i>	1		2	1,3		1	5
Desert Tree Frog	<i>Litoria rubella</i>				1		1	5
Wotjulum Frog	<i>Litoria wotjulumensis</i>	1		2				5
Cane Toad	<i>Bufo marinus</i>	1		1,2,3	1,2,3	1	1	5
	<b>Total spp (17)</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>5</b>	<b>6</b>	<b>16</b>
<b>Reptiles</b>								
Freshwater Crocodile	<i>Crocodylus johnstoni</i>	1		1,2,3				
Worrell's Turtle	<i>Emydura worrelli</i>	1		1,2,3				

## Appendix I.4 Terrestrial Fauna Survey Methodology

Terrestrial Fauna Species		Habitats Recorded					
		Glyde R. gorge	Sandstone plateau	McArthur R. Riverine	Woodland/ grassland	Stony Rises	Existing Tailings Dam
Common name	Scientific name						
Immaculate Gecko	<i>Diplodactylus immaculatus</i>					2	
Northern Dtella	<i>Gehyra australis</i>				1,2,3		
Borroloola Gecko	<i>Gehyra borroloola</i>	1	1		2	2	
Northern Spotted Rock Dtella	<i>Gehyra nana</i>					2	
House Gecko	<i>Hemidactylus frenatus</i>				1		
Binoe's Gecko	<i>Heteronotia binoei</i>		4	2	1,2,3	2	
Sandstone Heteronotia	<i>Heteronotia planiceps</i>		1				
Zig-zag Gecko	<i>Oedura rhombifer</i>				2	3	
Beaked Gecko	<i>Rhynchoedura ornata</i>				2		
Sharp-snouted Delma	<i>Delma nasuta</i>	1					
Excitable Delma	<i>Delma tincta</i>			2			
Burton's Legless Lizard	<i>Lialis burtonis</i>				1		
Ring-tailed Dragon	<i>Ctenophorus caudicinctus</i>	1	1,3,4			2	
Two-lined Dragon	<i>Diporiphora cf. bilineatus</i>				3		
Yellow-sided Two-lined Dragon	<i>Diporiphora magna</i>				2		
Gilbert's Lashtail	<i>Lophognathus gilberti</i>	1		2,3	1,2,3		
Ridge-tailed Monitor	<i>Varanus acanthurus</i>			2	2	2	
Merten's Water Monitor	<i>Varanus mertensi</i>			3			
Yellow-spotted Monitor	<i>Varanus panoptes</i>	1					
Storr's Monitor	<i>Varanus storri</i>					2,3	
Black-tailed Monitor	<i>Varanus tristis</i>			2			
Bauxite Rainbow-skink	<i>Carlia amax</i>	1	1,3,4			2,3	
Shaded-litter Rainbow-skink	<i>Carlia munda</i>	1		2,3	1,2	1,2	
Blotched Shinning-skink	<i>Cryptoblepharus megastictus</i>	1	3			2	
	<i>Cryptoblepharus</i>						
Callose-palmed Shinning-skink	<i>plagiocephalus</i>			1,2,3	3	2	
Bar-shouldered Ctenotus	<i>Ctenotus inornatus</i>	1	1		2,3	2,3	
Robust Ctenotus	<i>Ctenotus robustus</i>				2		

## Appendix I.4

### Terrestrial Fauna Survey Methodology

Terrestrial Fauna Species		Habitats Recorded						
		Glyde R. gorge	Sandstone plateau	McArthur R. Riverine	Woodland/ grassland	Stony Rises	Existing Tailings Dam	Mine site (habitat not specified)
Common name	Scientific name							
Red-sided Ctenotus	<i>Ctenotus pulchellus</i>				2			
Straight-browed Ctenotus	<i>Ctenotus spaldingi</i>				2,3			
Stripe-headed Finesnout Ctenotus	<i>Ctenotus striaticeps</i>		1					
Hosmer's Skink	<i>Egernia hosmeri</i>					2,3		
Northeastern Orange-tailed Slider	<i>Lerista orientalis</i>			2	2			
Common Dwarf Skink	<i>Menetia greyii</i>			2				
Northern Dwarf Skink	<i>Menetia maini</i>			2	1,2	2,3		
Ornate Soil-crevice Skink	<i>Notoscincus ornatus</i>				2			
Norther Soil-crevice Skink	<i>Proablepharus tenuis</i>				2			
Northern Bluetongue	<i>Tiliqua scincoides</i>				1			
Robust Blind Snake	<i>Ramphoathyphlops ligatus</i>			3				
Children's Python	<i>Antaresia childreni</i>		1			2		
Water Python	<i>Liasis fuscus</i>			2				
Olive Python	<i>Liasis olivaceus</i>				1		1	
Black-headed Python	<i>Aspidites melanocephalus</i>				1			
Arafura File Snake	<i>Acrochordus arafurae</i>			1				
Common Tree Snake	<i>Dendrelaphus punctulatus</i>	1		2				
Freshwater Snake	<i>Tropidonophis mairii</i>			1				
Black Whip Snake	<i>Demansia atra</i>	1		3				
Olive Whip Snake	<i>Demansia olivacea</i>					3		
Ringed Brown Snake	<i>Pseudonaja modesta</i>					3		
Western Brown Snake	<i>Pseudonaja nuchalis</i>		4					
King Brown Snake	<i>Pseudechis australis</i>		4					
Curl Snake	<i>Suta suta</i>				2			
<b>Total Spp (53)</b>		<b>13</b>	<b>11</b>	<b>19</b>	<b>25</b>	<b>18</b>	<b>1</b>	<b>0</b>
<b>Birds</b>								
Emu	<i>Dromaius novaehollandiae</i>	1			2			

## Appendix I.4 Terrestrial Fauna Survey Methodology

Terrestrial Fauna Species		Habitats Recorded					
		Glyde R. gorge	Sandstone plateau	McArthur R. Riverine	Woodland/ grassland	Stony Rises	Existing Tailings Dam
Common name	Scientific name						
Brown Quail	<i>Coturnix ypsilophora</i>				3		
Magpie Goose	<i>Anseranas semipalmata</i>	1		3		1	6
Wandering Whistling-Duck	<i>Dendrocygna arcuata</i>						6
Green Pygmy-goose	<i>Nettapus pulchellus</i>						6
Black Swan	<i>Cygnus atratus</i>					1	
Pacific Black Duck	<i>Anas superciliosa</i>	1,6				1	6
Grey Teal	<i>Anas gracilis</i>	1,6				1,3	6
	<i>Malacorhynchus membranaceus</i>					1	6
Pink-eared Duck	<i>Aythya australis</i>					1	6
Hardhead	<i>Poliiocephalus poliocephalus</i>					1	6
Hoary-headed Grebe	<i>Tachybaptus novaehollandiae</i>						6
Australasian Grebe	<i>Anhinga melanogaster</i>	1,6				1	6
Darter	<i>Phalacrocorax varius</i>			1			6
Pied Cormorant	<i>Phalacrocorax melanoleucas</i>			1,2			
Little Pied Cormorant	<i>Phalacrocorax sulcirostris</i>	1,6		2	2		
Australian Pelican	<i>Pelicanus conspicillatus</i>	1,6					
White-necked Heron	<i>Ardea pacifica</i>	1		3	1		6
Great-billed Heron	<i>Ardea sumatrana</i>	1					
White-faced Heron	<i>Ardea novaehollandiae</i>	1		2,3			6
Pied Heron	<i>Ardea picata</i>						6
Great Egret	<i>Ardea alba</i>	1,4,6		3			6
Intermediate Egret	<i>Ardea intermedia</i>	1		2,3			6
Little Egret	<i>Egretta garzetta</i>						6
Cattle Egret	<i>Ardea ibis</i>						6
Nankeen Night Heron	<i>Nycticorax caledonicus</i>	1,4		3			
Black Bittern	<i>Ixobrychus flavicollis</i>	1					

## Appendix I.4 Terrestrial Fauna Survey Methodology

Terrestrial Fauna Species		Habitats Recorded						Mine site (habitat not specified)
		Glyde R. gorge	Sandstone plateau	McArthur R. Riverine	Woodland/ grassland	Stony Rises	Existing Tailings Dam	
Common name	Scientific name							
Straw-necked Ibis	<i>Threskiornis spinicollis</i>							6
Glossy Ibis	<i>Plegadis falcinellus</i>							6
Royal Spoonbill	<i>Platalea regia</i>							6
Black-necked Stork	<i>Ephippiorhynchus asiaticus</i>	1						6
Osprey	<i>Pandion haliaetus</i>	1						
Black-breasted Buzzard	<i>Hamirostra melanosternon</i>				2			6
Black Kite	<i>Milvus migrans</i>	1		3	1,3	3		6
Whistling Kite	<i>Haliastur sphenurus</i>	1		1,2,3	3			6
White-bellied Sea-eagle	<i>Haliaeetus leucogaster</i>	1,6			2			6
Spotted Harrier	<i>Circus assimilis</i>							6
Brown Goshawk	<i>Accipiter fasciatus</i>			2,3		3		6
Collared Sparrowhawk	<i>Accipiter cirrhocephalus</i>			2	3			6
Little Eagle	<i>Hieraaetus morphnoides</i>							
Wedge-tailed Eagle	<i>Aquila audax</i>				1	2		6
Australian Hobby	<i>Falco longipennis</i>	1		2,3	3			6
Brown Falcon	<i>Falco berigora</i>				3	2		6
Australian Kestrel	<i>Falco cenchroides</i>				3			6
Peregrine Falcon	<i>Falco peregrinus</i>	1				2		
Grey Falcon	<i>Falco hypoleucos</i>							
Brolga	<i>Grus rubicunda</i>			1,3	1,3			6
Buff-banded Rail	<i>Gallirallus philippensis</i>				1			
Dusky Moorhen	<i>Gallinula tenebrosa</i>	6					1	
Purple Swamphen	<i>Porphyrio porphyrio</i>	1						
Eurasian Coot	<i>Fulica atra</i>	6					1	6
Australian Bustard	<i>Ardeotis australis</i>				1,2,3			6
Red-chested Button-quail	<i>Turnix pyrrhothorax</i>				1,3			
Red-backed Button-quail	<i>Turnix maculosa</i>				1,2			
Little Button-quail	<i>Turnix velox</i>				1			

## Appendix I.4

### Terrestrial Fauna Survey Methodology

Terrestrial Fauna Species		Habitats Recorded					
		Glyde R. gorge	Sandstone plateau	McArthur R. Riverine	Woodland/ grassland	Stony Rises	Existing Tailings Dam
Common name	Scientific name						
Common Greenshank	<i>Tringa nebularia</i>						6
Little Button-quail	<i>Turnix velox</i>				3		
Black-winged Stilt	<i>Himantopus himantopus</i>	1,6		3			6
Red-capped Plover	<i>Charadrius ruficapillus</i>						6
Oriental Plover	<i>Charadrius veredus</i>						1
Black-fronted Dotterel	<i>Elseyonis melanops</i>	1,6			3		6
Red-kneed Dotterel	<i>Erythronyctes alpestris</i>						6
Masked Lapwing	<i>Vanellus miles</i>				1,3		6
Oriental Pratincole	<i>Glareola maldivarum</i>						
Australian Pratincole	<i>Stiltia isabella</i>			1			6
Peaceful Dove	<i>Geopelia striata</i>	1	4	1,2,3	1,2,3	2,3	6
Diamond Dove	<i>Geopelia cuneata</i>				2,3		6
Bar-shouldered Dove	<i>Geopelia humeralis</i>	1,6	4	1,2,3			6
Crested Pigeon	<i>Ochophaps lophotes</i>			3	1,2,3	3	6
Spinifex Pigeon	<i>Geophaps plumifera</i>		1				
Common Bronzewing	<i>Phaps chalcoptera</i>				2,3	3	6
Red-tailed Black-Cockatoo	<i>Calyptorhynchus banksii</i>	1		1,2,3	2,3		6
Sulphur-crested Cockatoo	<i>Cacatua galerita</i>		4	1,2,3	3		6
Galah	<i>Cacatua roseicapilla</i>			1,3	1,2,3		6
Budgerigar	<i>Melopsittacus undulatus</i>		4	3	2,3		
Red-collared Lorikeet	<i>Trichoglossus rubritorquis</i>			1,2,3	2,3	3	6
Varied Lorikeet	<i>Psitteuteles versicolor</i>		4	2,3	2,3		6
Northern Rosella	<i>Platyercus venustus</i>		6	1,3	2		6
Red-winged Parrot	<i>Aprosmictus erythropterus</i>	1		2,3	2,3	2,3	6
Cockatiel	<i>Nymphicus hollandicus</i>		4	2,3	2,3	2	6
Pallid Cuckoo	<i>Cuculus pallidus</i>			1,3	3		6
Brush Cuckoo	<i>Cacomantis variolosus</i>			3	3		6
Black-eared Cuckoo	<i>Chrysococcyx osculans</i>				1		

## Appendix I.4 Terrestrial Fauna Survey Methodology

Terrestrial Fauna Species		Habitats Recorded						
		Glyde R. gorge	Sandstone plateau	McArthur R. Riverine	Woodland/ grassland	Stony Rises	Existing Tailings Dam	Mine site (habitat not specified)
Common name	Scientific name							
Horsfield's Bronze-Cuckoo	<i>Chrysococcyx basalis</i>			2	3			6
Channel-billed Cuckoo	<i>Scythrops novaehollandiae</i>	1		1,3	3			6
Common Koel	<i>Eudynamys scolopacea</i>	1		3	3			6
Pheasant Coucal	<i>Centropus phasianinus</i>	1		3	2			6
Barking Owl	<i>Ninox connivens</i>	1		1				
Southern Boobook Owl	<i>Ninox novaeseelandiae</i>			1	2,3	3		6
Barn Owl	<i>Tyto alba</i>				2,3			
Tawny Frogmouth	<i>Podargus strigoides</i>	6		1	2			6
Spotted Nightjar	<i>Eurostopodus argus</i>				2,3			6
Australian Owlet-nightjar	<i>Aegotheles cristatus</i>	1	4		2,3			
Azure Kingfisher	<i>Alcedo azurea</i>	1		3				6
Sacred Kingfisher	<i>Todiramphus sanctus</i>			1,2,3	3			6
Red-backed Kingfisher	<i>Todiramphus pyrrhopygia</i>			1	1,2			6
Blue-winged Kookaburra	<i>Dacelo leachii</i>	1,6		1,2,3	1,3			6
Rainbow Bee-eater	<i>Merops ornatus</i>	1	1,4,6	1,2,3	3			6
Dollarbird	<i>Eurystomus orientalis</i>	6		3	1,3			6
Black-tailed Treecreeper	<i>Climacteris melanura</i>				2			6
Variiegated Fairy-wren	<i>Malurus lamberti</i>	1	1,4					
Red-backed Fairy-wren	<i>Malurus melanocephalus</i>	1	4	3	1,2,3	2,3		6
Purple-crowned Fairy-wren	<i>Malurus coronatus</i>			1,2,3	2			6
Carpentarian Grasswren	<i>Amytornis dorotheae</i>		4					
Striated Pardalote	<i>Pardolotus striatus</i>		4	1,3	1,2,3	3		6
Red-browed Pardalote	<i>Pardolotus rubricatus</i>					2		
Weebill	<i>Smicronis brevirostris</i>	1	4	2,3	2,3	2		6
White-throated Gerygone	<i>Gerygone olivacea</i>			2,3				6
Silver-crowned Friarbird	<i>Philemon argenticeps</i>			2,3	1,2,3	2,3		6
Little Friarbird	<i>Philemon citreogularis</i>			2,3	1,2			6
White-gaped Honeyeater	<i>Lichenostomus unicolor</i>	1	1,4	1,2,3	2			6

## Appendix I.4 Terrestrial Fauna Survey Methodology

Terrestrial Fauna Species		Habitats Recorded						Mine site (habitat not specified)
		Glyde R. gorge	Sandstone plateau	McArthur R. Riverine	Woodland/ grassland	Stony Rises	Existing Tailings Dam	
Common name	Scientific name							
White-throated Honeyeater	<i>Melithreptus albogularis</i>			2,3	2,3			6
Grey-headed Honeyeater	<i>Lichenostomus keartlandi</i>	6						
Yellow-tinted Honeyeater	<i>Lichenostomus flavescens</i>	1	4	2,3	2			6
Grey-fronted Honeyeater	<i>Lichenostomus plumulus</i>	1		2	2	2		
Dusky Honeyeater	<i>Myzomela obscura</i>	1						
Brown Honeyeater	<i>Lichmera indistincta</i>	1	4	2,3	2,3	3		6
Singing Honeyeater	<i>Lichenostomus virescens</i>		4,6	2,3	2,3	2,3		6
Rufous-throated Honeyeater	<i>Conopophila rufogularis</i>		4	2,3	1,2,3	2,3		6
Banded Honeyeater	<i>Certhionyx pectoralis</i>		1	2	2	2		6
Bar-breasted Honeyeater	<i>Ramsayornis fasciatus</i>	6		3				
Blue-faced Honeyeater	<i>Entomyzon cyanotis</i>			2	2,3			6
White-browed Robin	<i>Poecilodryas superciliosa</i>	1,6		1,2				6
Grey-crowned Babbler	<i>Pomatostomas temporalis</i>			2	1,2,3			6
Varied Sittela	<i>Daphoenositta chrysoptera</i>				3			6
Rufous Whistler	<i>Pachycephala rufiventris</i>	1	4,6	1,2,3	2,3	2		6
Sandstone Shrike-thrush	<i>Colluricincla woodwardi</i>	1	1,4					
Grey Shrike-thrush	<i>Colluricincla harmonica</i>	1		2	3			6
Restless Flycatcher	<i>Myiagra inquieta</i>	1,6		2,3	2	2		6
Leaden Flycatcher	<i>Myiagra rubecula</i>			2,3				6
Shining Flycatcher	<i>Myiagra alecto</i>			3				
Australian Magpie-lark	<i>Grallina cyanoleuca</i>	1	4	3	2,3	2,3		6
Rufous Fantail	<i>Rhipidura rufifrons</i>	1						
Northern Fantail	<i>Rhipidura rufiventris</i>	4		2				
Grey Fantail	<i>Rhipidura fuliginosa</i>		6					6
Willie Wagtail	<i>Rhipidura leucophrys</i>	1	4	2,3	3	3		6
Black-faced Cuckoo-shrike	<i>Coracina novaehollandiae</i>		4	2,3	1,2,3	2,3		6
White-bellied Cuckoo-shrike	<i>Coracina papuensis</i>		4	2,3	2,3			6
Varied Triller	<i>Lalage leucomela</i>			1	2			

## Appendix I.4 Terrestrial Fauna Survey Methodology

Terrestrial Fauna Species		Habitats Recorded					
		Glyde R. gorge	Sandstone plateau	McArthur R. Riverine	Woodland/ grassland	Stony Rises	Existing Tailings Dam
Common name	Scientific name						
White-winged Triller	<i>Lalage sueurii</i>			2,3	1,2,3	3	6
Olive-backed Oriole	<i>Oriolus sagittatus</i>			1,2	1,3		6
Figbird	<i>Sphecotheres viridus</i>						6
Black-faced Woodswallow	<i>Artamus cinereus</i>		4	1,2	2,3	2,3	6
White-breasted Woodswallow	<i>Artamus leucorhynchus</i>		4			3	6
Little Woodswallow	<i>Artamus minor</i>	1	4	1	2,3	3	6
Pied Butcherbird	<i>Cracticus nigrogularis</i>		4	2,3	1,2,3	2,3	6
Australian Magpie	<i>Gymnorhina tibicen</i>			2	1,3	3	6
Torresian Crow	<i>Corvus orru</i>	1		1,2,3	1,2,3	2,3	6
Australian Raven	<i>Corvus coronoides</i>			1	1		
Great Bowerbird	<i>Chlamydera nuchalis</i>	1	1,4	2,3	2,3		6
Singing Bushlark	<i>Mirafra javanica</i>		4				
Zebra Finch	<i>Taeniopygia guttata</i>						6
Double-barred Finch	<i>Taeniopygia bichenovii</i>	1	1,6	1,2,3	3		6
Crimson Finch	<i>Neochmia phaeton</i>	1		1,2,3	2		6
Long-tailed Finch	<i>Poephila acuticauda</i>		4	2	1		6
Masked Finch	<i>Poephila personata</i>				2,3	3	6
Pictorella Mannikin	<i>Heteromunia pectoralis</i>				3		
Chestnut-breasted Mannikin	<i>Lonchura castaneothorax</i>			1	3		6
Mistletoebird	<i>Dicaeum hirundinaceum</i>			2,3	2,3	2,3	6
Fairy Martin	<i>Hirundo ariel</i>	1			3		6
Tree Martin	<i>Hirundo nigricans</i>			2	2		6
Spinifexbird	<i>Eremiornis carteri</i>		4				
Golden-headed Cisticola	<i>Cisticola exilis</i>				3		6
	<b>Total spp (163)</b>	<b>65</b>	<b>37</b>	<b>89</b>	<b>97</b>	<b>36</b>	<b>10</b>
							<b>120</b>

## Appendix I.4

### Terrestrial Fauna Survey Methodology

Terrestrial Fauna Species		Habitats Recorded						
		Glyde R. gorge	Sandstone plateau	McArthur R. Riverine	Woodland/ grassland	Stony Rises	Existing Tailings Dam	Mine site (habitat not specified)
Common name	Scientific name							
<b>Mammals</b>								
Short-beaked Echidna	<i>Tachyglossus aculeatus</i>		1,4			2		
Long-tailed Planigale	<i>Planigale ingrami</i>				1	3		
Northern Quoll	<i>Dasyurus hallucatus</i>	1				2		
Rock Ringtail Possum	<i>Petropseudes dahli</i>	1						
Spectacled Hare-wallaby	<i>Lagorchestes conspicillatus</i>				3			
Agile Wallaby	<i>Macropus agilis</i>			1,2,3	1,2,3			
Antilopine Kangaroo	<i>Macropus antilopinus</i>				3			
Common Wallaroo	<i>Macropus robustus</i>	1	1,3,4			1,2,3		
Little Red Flying Fox	<i>Pteropus scapulatus</i>			1,2	2			
Common Sheath-tail-bat	<i>Taphozous georgianus</i>	1	1					
Yellow-bellied Sheath-tail-bat	<i>Saccolaimus flaviventris</i>				1, 2	2	1	
Dusky Leaf-nosed Bat	<i>Hipposideros ater</i>				1			
Gould's Wattled Bat	<i>Chalinolobus gouldi</i>	1		1	1		1	
Northern Myotis	<i>Myotis moluccarum</i>			1				
Little Broad-nosed Bat	<i>Scotorepens greyii</i>		1		1			
Northern Cave Bat	<i>Vespadelus caurinus</i>	1	1		1	1	1	
Lesser Long-eared Bat	<i>Nyctophilus geoffroyi</i>				2			
Northern Freetail Bat	<i>Chaerephon jobensis</i>	1		1	1	1	1	
Delicate Mouse	<i>Pseudomys delicatulus</i>				2			
Common Rock-rat	<i>Zyzomys argurus</i>	1				2,3		
Dingo	<i>Canis lupus dingo</i>			1,2,3	2,3			
Donkey	<i>Equus asinus</i>		1	1,2	1,2,3	1,2		
Cattle	<i>Bos taurus/indicus</i>			1,2,3	2,3	2		
Pig	<i>Sus scrofa</i>	1		2	2			
Feral Cat	<i>Felis catus</i>				1			
<b>Total spp (25)</b>		<b>9</b>	<b>6</b>	<b>9</b>	<b>18</b>	<b>8</b>	<b>3</b>	<b>4</b>