



# Fauna Survey Conducted in the Loders Creek Catchment

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Natural Heritage Trust  
*Helping Communities Helping Australia*



# Fauna Survey of Loders Creek Catchment

**Report conducted for Loders Creek Integrated Catchment Management  
Community Association as part of Natural Heritage Trust funding**

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# **Introduction and Scope**

The purpose of this survey was to determine which terrestrial and aquatic vertebrates and select invertebrates inhabit the Loders Creek catchment. The species lists (see Appendix 1 and 2) have been accumulated by the authors over a number of years and also include results from additional surveying performed specifically for this report from mid March to early May 2002. Figure 1 (below) is a map of the entire catchment from which the species lists were generated. The designated survey area (area in which additional surveying was carried out) was conducted in the habitat located west of Wardoo Street to the junction of Edmund Rice Drive and north to Smith Street. No additional databases were sourced for this report as it was deemed unnecessary due to the authors' knowledge of the region (including recent, 2001 in-depth studies) and it was also thought to be beyond the scope of the present study.

## **Cover Photographs**

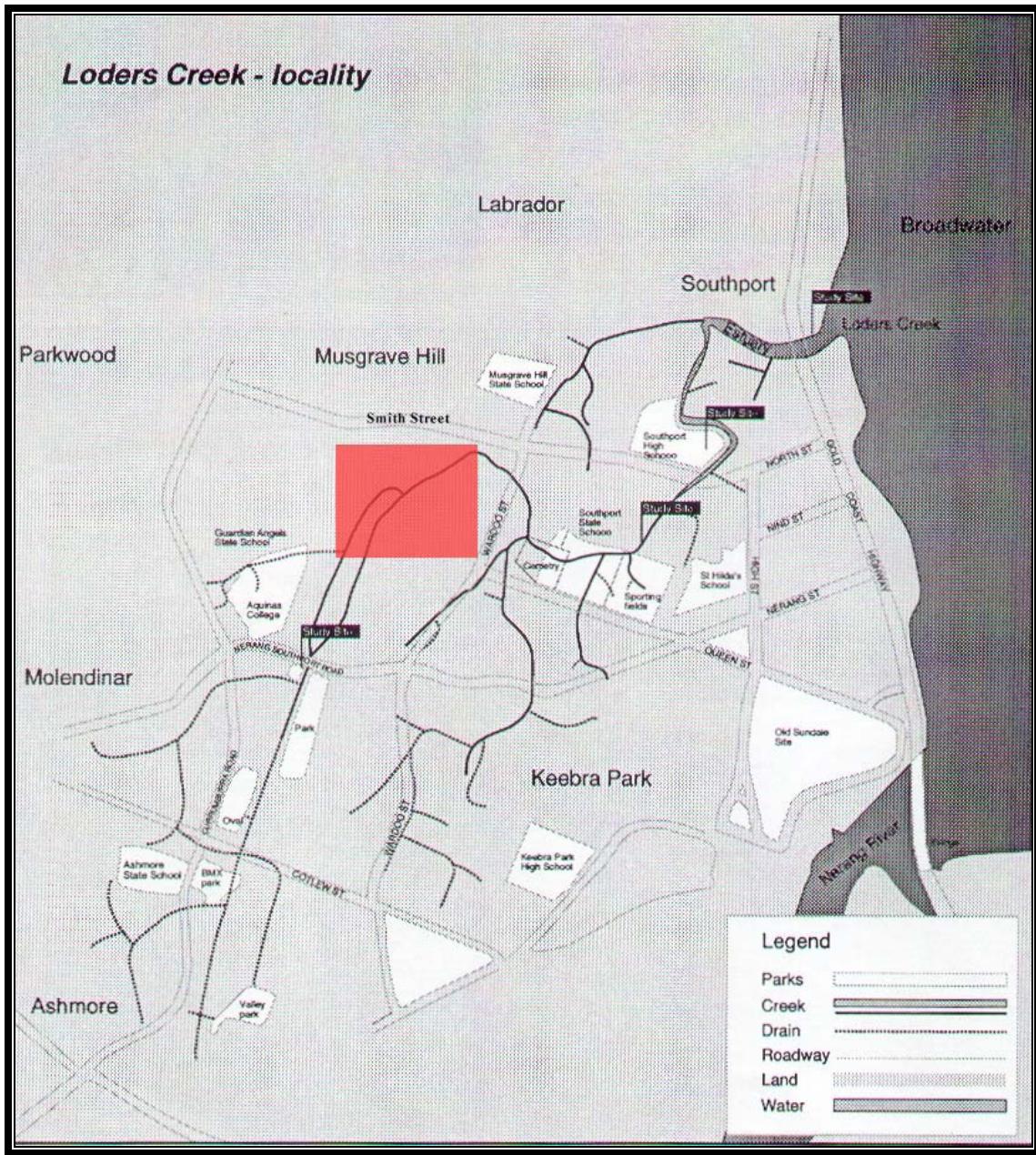
**Top:** *Pogona barbata* (Bearded dragon)

**Second from top:** *Aeshna brevistyla*

**Second from bottom:** *Litoria gracilenta* (Graceful tree frog)

**Bottom:** *Cracticus nigrogularis* (Pied butcher bird)

**Photographs taken by Damian White, Douglas White and Narelle Power.**



**Map 1:** Map of Loders Creek catchment - adapted from Loders Creek community education booklet (1999) Designated survey area is shaded red (ie approximate survey area)

# **Methodology**

The methodology undertaken for this survey are those techniques commonly employed in terrestrial and aquatic fauna surveys. A comprehensive range of fauna survey methods were employed to target both specific fauna groups and individual species of conservation significance. A summary and description of the systematic and non-systematic approaches used are outlined below.

## **Birds**

- General observation and call recognition
- Spotlighting
- Call playback

Diurnal and nocturnal (with powerful spotlights) foot searches were carried out throughout the entire area. The diurnal searches were performed in both early morning and early evening when higher bird diversity is generally observed. Birds were identified from either direct observation and/or their vocalization. Nocturnal spotlighting was performed in conjunction with arboreal mammal spotlighting.

Call playback for 9 wetland species: Lewin's Rail (*Rallus pectoralis*); Buff-banded Rail (*Rallus philippensis*); Bush-hen (*Gallinula olivacea*); Australian Crake (*Porzana fluminea*); Spotless Crake (*Porzana tabuensis*); Ballion's Crake (*Porzana pusilla*); Little Bittern (*Ixobrychus minutus*); Black Bittern (*Ixobrychus flavicollis*); Australian Bittern (*Botaurus poiciloptilus*), was performed using a dual speaker four watt portable cassette player, in swampy areas where wetland vegetation namely sedges and herbaceous species were most abundant as these provide shelter for the target species listed.

## **Frogs**

- General search and observation including call recognition
- Pitfall traps (see description in reptile survey methods)

General search and call recognition was performed in and around the wet areas and associated riparian zones.

### ***Mammals***

- Elliot traps
- Cage traps
- Pitfall traps (see description in reptile survey methods)
- Spotlighting
- Anabat (Microchiropteran bat recording)
- General observation

Elliot and cage traps were baited with a mixture of rolled oats, peanut butter and honey. The traps were checked each morning and any animals trapped were released after identification.

Spotlighting using 50-watt spotlights was performed throughout the site to determine the presence of arboreal mammals and other night active species.

Bat recording (walking transects) was undertaken from just before dusk until approximately one hour after sunset. This was performed specifically for this report on the 3/4/02 as prior to this survey little micro-bat recording has been performed in this area.

### ***Reptiles***

- General search and observation
- Pitfall trapping

Active ground searches were undertaken throughout the site. This method involved the investigation of the ground layer including under rocks, fallen timber, leaf litter and raking soil, searching under exfoliating bark on logs and dead and live trees.

Several pitfall trap lines utilising a 15m long (30cm high) drift fence and 3 pit buckets per line were laid in two separate locations within the catchment. These traps were left for a total of three days and nights. They were checked in the early morning and late afternoon each day and any animals captured were released after identification.

### ***Fish and Crustaceans***

- Net yabby traps (Opera)
- Net fish traps (Funnel)
- Hand netting

Traps were baited with a mixture of chicken carcasses, cat food and bread and placed in sections of Loders creek. The traps were checked each morning and evening, any animals trapped were released after identification.

### ***Butterflies, Dragonflies and Cicadas***

- General observation
- Call recognition
- Hand netting

The above insects are identified by observation in the field or by hand netting and utilising dichotomous keys where necessary.

### ***Scat, pellet and other trace searches***

- Predator and non-predator scats were searched for during both diurnal and nocturnal ground searches.
- Traces such as scratches on trees and diggings in the ground layer were examined during diurnal searches.

# Results

The entire species lists for both the entire catchment and designated survey area are provided in Appendix 1 and 2 respectively. Table 1 summaries the number of species recorded in each faunal group surveyed in both the designated survey area and the entire catchment. There are over 160 vertebrate species recorded within the catchment by the authors and this number probably underestimates the true total (which maybe over 200) if other sources are utilised. As can be seen from these results the area is particularly rich in frog, mammal, bird and butterfly species.

The presence of the vulnerable wallum froglet (*Crinia tinnula*) (see discussion) is of greatest interest and perhaps this species could be used in the future as a symbol to help create further public interest and awareness in the Lodders Catchment.

**Table 1:** A summary of the number of species recorded in each of the faunal groups surveyed in both the designated survey area and the entire catchment.

<b>Faunal Group</b>	<b>Designated Survey Site</b>	<b>Entire Catchment</b>
Frogs	10	12
Reptiles	10	13
Mammals	13	15
Birds	92	116
Fish	3	6
Butterflies	35	37
Dragonflies	18	20
Cicadas	9	9
Crayfish	1	1

## **Discussion**

The species lists (Appendix 1 and 2) compiled by the authors from historical (last 10 years) and new data (2001/2002) illustrates that the Loders Creek region is rich in all faunal groups surveyed. This is partly due to the large number of varying vegetation communities types present within the catchment including, melaleuca, eucalyptus, wallum and riparian. There are also both saltwater and freshwater regions of Loders creek, which further increase species diversity.

The bushland within the catchment is of high conservation value. One of the major reasons is there is little remaining protected or semi-protected bushland of reasonable size remaining in this region of the Gold Coast. The small area of wallum adjacent to Woomera Crescent and Wardoo Street is of particular importance, although under threat from disturbance and encroachment from the neighbouring eucalyptus vegetation. There is little of this wallum community type remaining on the Gold Coast. Almost as important are the areas of melaleuca dominant vegetation (spread along Loders creek in various sized patches), as much of this habitat has been destroyed and now only represents about 1.5% of the remaining natural habitat left on the Gold Coast (Kingston *et al.* 1998).

The importance of the Loders Creek catchment area is further demonstrated by the large number of migratory bird species recorded. These include seven cuckoo species and numerous species, which undertake north-south or east-west seasonal altitudinal migrations including drongos, dollarbirds, whistlers and some honeyeaters.

As already mentioned, the Loders Creek Catchment contains valuable habitat for many species considered significant in the region. Although, like many catchments it suffers from the pressures associated with continued encroachment from urbanisation and industrial development, its future appears to be much brighter than it was ten or fifteen years ago. This improvement is due to numerous programs -both funded and volunteer – undertaken to address current problems and prevent further damage. Current and

previous works include a considerable amount of restoration and revegetation conducted within the catchment, which has helped stabilise creek banks thus reducing siltation. Removal of weeds and rubbish has helped slow further deterioration of the catchment and maintain the already high biodiversity values.

Priorities should include continued weed and rubbish removal, further revegetation and surveillance and monitoring of areas to prevent future damage.

## **Significant Species**

Below is a list of significant species recorded in the catchment during surveys. This list not only includes species which are scheduled at the state level but also those species thought to be of regional significance by the authors i.e. uncommon, declining or under conservation threat in the area.

### **Mammals:**

*Antechinus flavipes* (Yellow footed antechinus), *Rattus lutreolus* (Swamp rat), *Petaurus norfolcensis* (Squirrel glider): all uncommon in lowland bushland particularly east of Gold Coast highway. These animals suffer from habitat destruction, fragmentation, disturbance and domestic pet predation.

*Phascolarctos cinereus* (Koala) scheduled (5) culturally significant as listed in schedules 2-5 of the Queensland Nature Conservation Regulation 1994. Although the record of this species is approximately 8 years old the area contains numerous feed trees suitable for koalas and their presence within the catchment is not unexpected.

### **Frogs:**

*Crinia tinnula* (Wallum froglet) scheduled (3) vulnerable as listed in schedules 2-5 of the Queensland Nature Conservation Regulation 1994. Only recorded from six sites within the Gold Coast City, three of which occur within the Southport area.

A visit on the 3<sup>rd</sup> of April failed to reveal any calling *C. tinnula* but during a visit in early May approximately 10 to 15 individuals were heard calling. This indicates that the small population still appears to be present and viable despite the frequent fires and other disturbance factors which occur at the breeding site.

### **Birds:**

*Gallinula olivacea* (Bush hen) and *Cuculus saturatus* (Oriental Cuckoo): these species have only been recorded a few times on the Gold Coast although are probably more widespread than the record suggests.

The record of the *Cincloramphus cruralis* (Brown Songlark), which is almost 10 years old, is interesting as this species is rarely recorded in urban habitat on the Gold Coast.

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# **APPENDICES**

## **1: Photos of fauna present in catchment.**

All photos taken by Damian White, Douglas White or Narelle Power and cannot be used or reproduced without permission.

## **2: Designated survey area species list.**

## **3: Entire catchment species list.**



**Figure 1:** Melaleuca swamp (Bush hen and Swamp rat habitat)



**Figure 2:** Wallum habitat (*C. tinnula* breeding site)



**Figure 3:** *Adelotus brevis* (Tusked frog)



**Figure 4:** *Litoria caerulea* (Green tree frog)



**Figure 5:** *Crinia tinnula* (Wallum froglet)



**Figure 6:** *Crinia tinnula* (Wallum froglet, ventral view)



**Figure 7:** *Pseudophryne major* (Copper backed brood frog. Male with eggs)



**Figure 8:** *Austroargiolestes icteromelas*



**Figure 9:** *Pogona barbata* (Bearded dragon)



**Figure 10:** *Lialis burtonis* (Burton's legless lizard)



**Figure 11:** *Trapezites s symmomus*

## **APPENDIX 2: Species list from designated survey area**

### **FROGS**

<b>Class</b>	<b>Family</b>	<b>Genus and species</b>	<b>Common name</b>
Amphibia	HYLIDAE	<i>Litoria caerulea</i>	Green Tree Frog
Amphibia	HYLIDAE	<i>Litoria fallax</i> *	Eastern Sedge Frog
Amphibia	HYLIDAE	<i>Litoria gracilenta</i>	Graceful Tree-Frog
Amphibia	MYOBATRACHIDAE	<i>Crinia parinsignifera</i> #	Beeping Froglet
Amphibia	MYOBATRACHIDAE	<i>Crinia signifera</i> *#	Clicking Froglet
Amphibia	MYOBATRACHIDAE	<i>Crinia tinnula</i> #	Wallum Froglet
Amphibia	MYOBATRACHIDAE	<i>Limnodynastes peronii</i> *#	Striped Marsh Frog
Amphibia	MYOBATRACHIDAE	<i>Pseudophryne major</i> *#	Great-brown broodfrog
Amphibia	MYOBATRACHIDAE	<i>Pseudophryne raveni</i> *#	Copper-backed broodfrog
Amphibia	BUFONIDAE	<i>Bufo marinus</i> *	Cane Toad

### **REPTILES**

<b>Class</b>	<b>Family</b>	<b>Genus and species</b>	<b>Common name</b>
Reptilia	PYGOPODIDAE	<i>Lialis burtonis</i>	Burton's Snake Lizard
Reptilia	AGAMIDAE	<i>Physignathus lesueuri</i>	Eastern Water Dragon
Reptilia	AGAMIDAE	<i>Pogona barbata</i>	Bearded Dragon
Reptilia	SCINCIDAE	<i>Ctenotus robusta</i>	Eastern-striped skink
Reptilia	SCINCIDAE	<i>Cryptoblepharus virgatus</i>	Wall Skink
Reptilia	SCINCIDAE	<i>Lampropholis delicata</i>	Eastern Grass Skink
Reptilia	SCINCIDAE	<i>Tiliqua scincoides</i>	Blue-tongued skink
Reptilia	BOIDAE	<i>Morelia spilota variegata</i>	Carpet Python
Reptilia	COLUBRIDAE	<i>Dendrelaphis punctulatus</i>	Green Tree Snake
Reptilia	ELAPIDAE	<i>Demansia psammophis</i>	Yellow-faced Whip Snake

### **MAMMALS**

<b>Class</b>	<b>Family</b>	<b>Genus and species</b>	<b>Common name</b>
Mammalia	PERAMELIDAE	<i>Isoodon macrourus</i>	Northern brown bandicoot
Mammalia	PHASCOLARCTIDAE	<i>Phascolarctos cinereus</i>	Koala
Mammalia	MURIDAE	<i>Mus musculus</i>	House mouse
Mammalia	MURIDAE	<i>Rattus lutreolus</i>	Swamp rat
Mammalia	MURIDAE	<i>Rattus rattus</i>	Black rat
Mammalia	DASYURIDAE	<i>Antechinus flavipes</i>	Yellow-footed antechinus
Mammalia	PHALANGERIDAE	<i>Trichosurus vulpecula</i> *	Common brushtail possum

Mammalia	PTEROPODIDAE	<i>Pteropus poliocephalus</i> *	Grey-headed flying fox
Mammalia	PTEROPODIDAE	<i>Pteropus alecto</i>	Black fruit-bat
Mammalia	PTEROPODIDAE	<i>Pteropus scapulatus</i>	Little red fruit-bat
Mammalia	MOLOSSIDAE	<i>Tadarida australis</i> *	White-striped free-tail bat
Mammalia	VESPERTILIONIDAE	<i>Miniopterus australis</i> *	Little bent-wing bat
Mammalia	VESPERTILIONIDAE	<i>Scotorepens greyii</i> *	Northern broad-nosed bat

## BIRDS

Class	Family	Genus and species	Common name
Aves	PHASIANIDAE	<i>Coturnix australis</i>	Brown quail
Aves	ANSERANATIDAE	<i>Anseranas semipalmata</i>	Magpie goose
Aves	ANATIDAE	<i>Chenonetta jubata</i>	Aust wood duck
Aves	ANATIDAE	<i>Anas superciliosa</i>	Black duck
Aves	PELECANIDAE	<i>Pelecanus conspicillatus</i>	Australian pelican
Aves	ARDEIDAE	<i>Nyctocorax caledonicus</i>	Nankeen night heron
Aves	ACCIPITRIDAE	<i>Haliastur indus</i>	Brahminy kite
Aves	ACCIPITRIDAE	<i>Haliastur sphenurus</i>	Whistling kite
Aves	ACCIPITRIDAE	<i>Accipiter cirrhocephalus</i>	Collared sparrowhawk
Aves	ACCIPITRIDAE	<i>Accipiter novaehollandiae</i>	Grey goshawk
Aves	ACCIPITRIDAE	<i>Haliaeetus leocogaster</i>	White-bellied sea-eagle
Aves	FALCONIDAE	<i>Falco peregrinus</i>	Peregrine falcon
Aves	FALCONIDAE	<i>Falco longipennis</i>	Little falcon
Aves	RALLIDAE	<i>Gallirallus philippensis</i>	Buff-banded rail
Aves	RALLIDAE	<i>Gallinula tenebrosa</i>	Dusky moorhen
Aves	RALLIDAE	<i>Porphyrio porphyrio</i>	Swamphen
Aves	RALLIDAE	<i>Amaurornis olivaceus</i>	Bush-hen
Aves	COLUMBIDAE	<i>Streptopelia chinensis</i>	Spotted turtle-dove
Aves	COLUMBIDAE	<i>Columba livia</i>	Feral pigeon
Aves	COLUMBIDAE	<i>Ochyphaps lophotes</i>	Crested pigeon
Aves	CACATUIDAE	<i>Cacatua roseicapilla</i>	Galah
Aves	CACATUIDAE	<i>Cacatua tenuirostris</i>	Long-billed corella
Aves	CACATUIDAE	<i>Cacatua sanguinea</i>	Little corella
Aves	CACATUIDAE	<i>Cacatua galerita</i>	Sulphur-crested cockatoo
Aves	PSITTACIDAE	<i>Trichoglossus haematodus</i>	Rainbow lorikeet
Aves	PSITTACIDAE	<i>Trichoglossus chlorolepidotus</i>	Scaly-breasted lorikeet
Aves	PSITTACIDAE	<i>Platycercus adscitus</i>	Pale-headed rosella
Aves	CUCULIDAE	<i>Cuculus saturatus</i>	Oriental cuckoo
Aves	CUCULIDAE	<i>Cuculus pallidus</i>	Pallid cuckoo

Aves	CUCULIDAE	<i>Cacomantis flabelliformis</i>	Fan-tailed cuckoo
Aves	CUCULIDAE	<i>Chrysococcyx basalis</i>	Horsfield's bronze-cuckoo
Aves	CUCULIDAE	<i>Chrysococcyx lucidus</i>	Shining bronze-cuckoo
Aves	CUCULIDAE	<i>Eudynamys scolopacea</i>	Koel
Aves	CUCULIDAE	<i>Scythrops novaehollandiae</i>	Channel-billed cuckoo
Aves	CENTROPODIDAE	<i>Centropus phasianinus</i>	Coucal
Aves	STRIGIDAE	<i>Ninox novaeseelandiae</i>	Boobook
Aves	PODARGIDAE	<i>Podargus strigoides</i>	Tawny frogmouth
Aves	APODIDAE	<i>Apus pacificus</i>	Fork-tailed swift
Aves	APODIDAE	<i>Hirundapus caudacutus</i>	Spine-tailed swift
Aves	HALYCONIDAE	<i>Dacelo novaeguineae</i>	Laughing kookaburra
Aves	HALYCONIDAE	<i>Todiramphus macleayii</i>	Forest kingfisher
Aves	HALYCONIDAE	<i>Todiramphus sanctus</i>	Sacred kingfisher
Aves	MEROPIDAE	<i>Merops ornatus</i>	Rainbow bee-eater
Aves	CORACIIDAE	<i>Eurystomus orientalis</i>	Dollarbird
Aves	CLIMACTERIDAE	<i>Cormobates leucophaeus</i>	White-throated treecreeper
Aves	MALURIDAE	<i>Malurus cyaneus</i>	Superb fairy-wren
Aves	MALURIDAE	<i>Malurus lambertii</i>	Variegated fairy-wren
Aves	MALURIDAE	<i>Malurus melanocephalus</i>	Red-backed fairy-wren
Aves	PARDALOTIDAE	<i>Pardalotus striatus</i>	Striated pardalote
Aves	PARDALOTIDAE	<i>Gerygone olivacea</i>	White-throated warbler
Aves	PARDALOTIDAE	<i>Acanthiza chrysorrhoa</i>	Yellow-rumped thornbill
Aves	MELIPHAGIDAE	<i>Anthochaera chrysoptera</i>	Little wattlebird
Aves	MELIPHAGIDAE	<i>Philemon citreogularis</i>	Little friarbird
Aves	MELIPHAGIDAE	<i>Philemon corniculatus</i>	Noisy friarbird
Aves	MELIPHAGIDAE	<i>Plectrohyncha lanceolata</i>	Striped honeyeater
Aves	MELIPHAGIDAE	<i>Entomyzon cyanotis</i>	Blue-faced honeyeater
Aves	MELIPHAGIDAE	<i>Manorina melanocephala</i>	Noisy miner
Aves	MELIPHAGIDAE	<i>Meliphaga lewinii</i>	Lewin's honeyeater
Aves	MELIPHAGIDAE	<i>Lichenostomus chrysops</i>	Yellow-faced honeyeater
Aves	MELIPHAGIDAE	<i>Melithreptus albogularis</i>	White-throated honeyeater
Aves	MELIPHAGIDAE	<i>Acanthorhynchus tenuirostris</i>	Eastern spinebill
Aves	MELIPHAGIDAE	<i>Myzomela sanguinolenta</i>	Scarlet honeyeater
Aves	MELIPHAGIDAE	<i>Lichmera indistincta</i>	Brown honeyeater
Aves	CINCLOSOMATIDAE	<i>Psophodes olivaceus</i>	Eastern whipbird
Aves	NEOSITTIDAE	<i>Daphoenositta chrysoptera</i>	Varied sittella
Aves	PACHYCEPHALIDAE	<i>Pachycephala pectoralis</i>	Golden whistler
Aves	PACHYCEPHALIDAE	<i>Pachycephala rufiventris</i>	Rufous whistler

Aves	PACHYCEPHALIDAE	<i>Colluricincla harmonica</i>	Grey shrike-thrush
Aves	DICRURIDAE	<i>Myiagra rubecula</i>	Leaden flycatcher
Aves	DICRURIDAE	<i>Rhipidura leucophrys</i>	Willie wagtail
Aves	DICRURIDAE	<i>Rhipidura fuliginosa</i>	Grey fantail
Aves	DICRURIDAE	<i>Grallina cyanoleuca</i>	Magpie-lark
Aves	DICRURIDAE	<i>Dicrurus bracteatus</i>	Spangled drongo
Aves	CAMPEPHAGIDAE	<i>Coracina novaehollandiae</i>	Black-faced cuckoo-shrike
Aves	ORIOLIDAE	<i>Oriolus sagittatus</i>	Olive-backed oriole
Aves	ORIOLIDAE	<i>Sphecotheres viridis</i>	Figbird
Aves	ARTAMIDAE	<i>Artamus leucorhynchus</i>	White-breasted wood-swallow
Aves	ARTAMIDAE	<i>Cracticus torquatus</i>	Grey butcherbird
Aves	ARTAMIDAE	<i>Cracticus nigrogularis</i>	Pied butcherbird
Aves	ARTAMIDAE	<i>Gymnorhina tibicen</i>	Aust magpie
Aves	ARTAMIDAE	<i>Strepera graculina</i>	Pied currawong
Aves	CORVIDAE	<i>Corvus orru</i>	Torresian crow
Aves	PASSERIDAE	<i>Lonchura castaneothorax</i>	Chestnut-breasted mannikin
Aves	PASSERIDAE	<i>Lonchura punctulata</i>	Nutmeg mannikin
Aves	PASSERIDAE	<i>Passer domesticus</i>	House sparrow
Aves	DICAEIDAE	<i>Dicaeum hirundinaceum</i>	Mistletoebird
Aves	HIRUNDINIDAE	<i>Hirundo neoxena</i>	Welcome swallow
Aves	HIRUNDINIDAE	<i>Hirundo ariel</i>	Fairy martin
Aves	SYLVIIDAE	<i>Arocephalus stentoreus</i>	Clamorous reed-warbler
Aves	SYLVIIDAE	<i>Cisticola exilis</i>	Golden-headed cisticola
Aves	ZOSTEROPIDAE	<i>Zosterops lateralis</i>	Silvereye
Aves	STURNIDAE	<i>Sturnus vulgaris</i>	Common starling
Aves	STURNIDAE	<i>Acridotheres tristis</i>	Indian myna

## FISH

Class	Family	Genus and species	Common name
Osteichthyes	ELEOTRIDIDAE	<i>Hypseleotris galii</i>	Fire-tail gudgeon
Osteichthyes	POECILIIDAE	<i>Gambusia holbrooki</i>	Mosquitofish
Osteichthyes	ANGUILLIDAE	<i>Anguilla reinhardtii</i>	Long-finned eel

## BUTTERFLIES

Class	Family	Genus and species	Common name
Insecta	HESPERIIDAE	<i>Trapezites s symmomus</i>	Splendid ochre
Insecta	HESPERIIDAE	<i>Suniana sunias</i>	Wide-branded grass dart
Insecta	HESPERIIDAE	<i>Cephrenes augiades sperthias</i>	Orange palmdart

Insecta	HESPERIIDAE	<i>Ocybadistes walkeri sothis</i>	Green grass-dart
Insecta	HESPERIIDAE	<i>Ocybadistes f flavovittata</i>	Narrow-brand grass-dart
Insecta	PAPILIONIDAE	<i>Graphium sarpedon choredon</i>	Blue triangle
Insecta	PAPILIONIDAE	<i>Graphium eurypylus lycaon</i>	Pale triangle
Insecta	PAPILIONIDAE	<i>Papilio demoleus sthenelus</i>	Chequered swallowtail
Insecta	PAPILIONIDAE	<i>Papilio a aegeus</i>	Orchard swallowtail
Insecta	PAPILIONIDAE	<i>Cressida c cressida</i>	Big greasy
Insecta	PIERIDAE	<i>Catopsilia p pomona</i>	Lemon migrant
Insecta	PIERIDAE	<i>Eurema brigitta australis</i>	No-brand grass yellow
Insecta	PIERIDAE	<i>Eurema hecabe phoebus</i>	Grass yellow
Insecta	PIERIDAE	<i>Eurema s smilax</i>	Small grass yellow
Insecta	PIERIDAE	<i>Delias a argenthona</i>	Northern jezabel
Insecta	PIERIDAE	<i>Delias nigrina</i>	Common jezabel
Insecta	PIERIDAE	<i>Belenois java teutonia</i>	Caper white
Insecta	PIERIDAE	<i>Appias paulina ega</i>	Common albatross
Insecta	PIERIDAE	<i>Pieris r rapae</i>	Cabbage white
Insecta	NYMPHALIDAE	<i>Danaus p plexippus</i>	Monarch
Insecta	NYMPHALIDAE	<i>Danaus chrysippus petilia</i>	Lesser wanderer
Insecta	NYMPHALIDAE	<i>Tirumala hamata</i>	Blue tiger
Insecta	NYMPHALIDAE	<i>Euploea core corinna</i>	Common crow
Insecta	NYMPHALIDAE	<i>Melanitis leda bankia</i>	Evening brown
Insecta	NYMPHALIDAE	<i>Polyura s semprionus</i>	Tailed emperor
Insecta	NYMPHALIDAE	<i>Phaedyma s shepherdii</i>	Common aeroplane
Insecta	NYMPHALIDAE	<i>Hypolimnas bolina nerina</i>	Blue moon
Insecta	NYMPHALIDAE	<i>Vanessa kershawi</i>	Painted lady
Insecta	NYMPHALIDAE	<i>Vanessa itea</i>	Yellow admiral
Insecta	NYMPHALIDAE	<i>Junonia villida calybe</i>	Meadow argus
Insecta	NYMPHALIDAE	<i>Acraea a andromacha</i>	Glasswing
Insecta	LYCAENIDAE	<i>Candalides e erinus</i>	Small dusky-blue
Insecta	LYCAENIDAE	<i>Psychonotis caelius taygetus</i>	Green-banded blue
Insecta	LYCAENIDAE	<i>Zizina l labradorus</i>	Common grass blue
Insecta	LYCAENIDAE	<i>Prosotas d dubiosa</i>	Purple line blue

## DRAGONFLIES/DAMSELFLIES

Class	Family	Genus and species	Common name
Odonata	COENAGRIONIDAE	<i>Ischnura a aurora</i>	
Odonata	COENAGRIONIDAE	<i>Ischnura heterosticta</i>	
Odonata	LESTIDAE	<i>Austrolestes leda</i>	

Odonata	MEGAPODAGRIONIDAE	<i>Austroargiolestes icteromelas</i>
Odonata	AESHNIDAE	<i>Aeshna brevistyla</i>
Odonata	AESHNIDAE	<i>Hemianax papuensis</i>
Odonata	CORDULIIDAE	<i>Hemicordulia australiae</i>
Odonata	LIBELLULIDAE	<i>Crocothemis nigrifrons</i>
Odonata	LIBELLULIDAE	<i>Diplacodes bipunctata</i>
Odonata	LIBELLULIDAE	<i>Diplacodes haematodes</i>
Odonata	LIBELLULIDAE	<i>Nannodiplax rubra</i>
Odonata	LIBELLULIDAE	<i>Orthetrum caledonicum</i>
Odonata	LIBELLULIDAE	<i>Orthetrum sabina</i>
Odonata	LIBELLULIDAE	<i>Orthetrum villosovittatum</i>
Odonata	LIBELLULIDAE	<i>Pantala flavescens</i>
Odonata	LIBELLULIDAE	<i>Rhyothemis graphiptera</i>
Odonata	LIBELLULIDAE	<i>Rhyothemis phyllis chloe</i>
Odonata	LIBELLULIDAE	<i>Trapezostigma loewii</i>

## CICADAS

Class	Family	Genus and species	Common name
Hemiptera	CICADIDAE	<i>Psaltoda claripennis</i>	
Hemiptera	CICADIDAE	<i>Psaltoda harrisii</i>	Yellowbelly
Hemiptera	CICADIDAE	<i>Glaucoptaria viridis</i>	Bottle cicada
Hemiptera	CICADIDAE	<i>Chlorocysta vitripennis</i>	Small bottle cicada
Hemiptera	CICADIDAE	<i>Abricta curvicosta</i>	Floury baker
Hemiptera	CICADIDAE	<i>Birrima varians</i>	Black tree ticker
Hemiptera	CICADIDAE	<i>Cicadetta hackeri</i>	Paperbark cicada
Hemiptera	CICADIDAE	<i>Cicadetta oldfieldii</i>	Wattle cicada
Hemiptera	CICADIDAE	<i>Tamasa tristigma</i>	Brown bunyip

## CRUSTACEANS

Class	Family	Genus and species	Common name
Decapoda	Parastacidae	<i>Cherax depressus</i>	Orange-fingered yabby

\*Denotes recorded during frog and spotlighting surveys conducted 3/4/02 specifically for this report.

#Denotes recorded during frog survey conducted on 4/5/02 specifically for this report.

## **APPENDIX 3: Entire catchment species list**

### **FROGS**

<b>Class</b>	<b>Family</b>	<b>Genus and species</b>	<b>Common name</b>
Amphibia	HYLIDAE	<i>Litoria caerulea</i>	Green Tree Frog
Amphibia	HYLIDAE	<i>Litoria fallax</i>	Eastern Sedge Frog
Amphibia	HYLIDAE	<i>Litoria gracilenta</i>	Graceful Tree-Frog
Amphibia	MYOBATRACHIDAE	<i>Adelotus brevis</i>	Tusked Frog
Amphibia	MYOBATRACHIDAE	<i>Crinia parinsignifera</i>	Beeping Froglet
Amphibia	MYOBATRACHIDAE	<i>Crinia signifera</i>	Clicking Froglet
Amphibia	MYOBATRACHIDAE	<i>Crinia tinnula</i>	Wallum Froglet
Amphibia	MYOBATRACHIDAE	<i>Limnodynastes ornatus</i>	Ornate Burrowing Frog
Amphibia	MYOBATRACHIDAE	<i>Limnodynastes peronii</i>	Striped Marsh Frog
Amphibia	MYOBATRACHIDAE	<i>Pseudophryne major</i>	Great-brown broodfrog
Amphibia	MYOBATRACHIDAE	<i>Pseudophryne raveni</i>	Copper-backed broodfrog
Amphibia	BUFONIDAE	<i>Bufo marinus</i>	Cane Toad

### **REPTILES**

<b>Class</b>	<b>Family</b>	<b>Genus and species</b>	<b>Common name</b>
Reptilia	GEKKONIDAE	<i>Oedura robusta</i>	Robust Velvet Gecko
Reptilia	PYGOPODIDAE	<i>Lialis burtonis</i>	Burton's Snake Lizard
Reptilia	AGAMIDAE	<i>Physignathus lesueuri</i>	Eastern Water Dragon
Reptilia	AGAMIDAE	<i>Pogona barbata</i>	Bearded Dragon
Reptilia	VARANIDAE	<i>Varanus varius</i>	Lace Monitor
Reptilia	SCINCIDAE	<i>Anomalopus verreauxii</i>	Verreaux's Skink
Reptilia	SCINCIDAE	<i>Cryptoblepharus virgatus</i>	Wall Skink
Reptilia	SCINCIDAE	<i>Lampropholis delicata</i>	Eastern Grass Skink
Reptilia	SCINCIDAE	<i>Ctenotus robustus</i>	Eastern -Striped skink
Reptilia	BOIDAE	<i>Morelia spilota variegata</i>	Carpet Python
Reptilia	COLUBRIDAE	<i>Dendrelaphis punctulatus</i>	Green Tree Snake
Reptilia	ELAPIDAE	<i>Demansia psammophis</i>	Yellow-faced Whip Snake
Reptilia	CHELIDAE	<i>Chelodina longicollis</i>	Long-necked turtle

### **MAMMALS**

<b>Class</b>	<b>Family</b>	<b>Genus and species</b>	<b>Common name</b>
Mammalia	DASYURIDAE	<i>Antechinus flavipes</i>	Yellow-footed antechinus
Mammalia	PERAMELIDAE	<i>Isoodon macrourus</i>	Northern brown bandicoot

Mammalia	PHASCOLARCTIDAE	<i>Phascolarctos cinereus</i>	Koala
Mammalia	PETAURIDAE	<i>Petaurus norfolkensis</i>	Squirrel glider
Mammalia	PHALANGERIDAE	<i>Trichosurus vulpecula</i>	Brush-tailed possum
Mammalia	PTEROPODIDAE	<i>Pteropus alecto</i>	Black fruit-bat
Mammalia	PTEROPODIDAE	<i>Pteropus poliocephalus</i>	Grey-headed fruit-bat
Mammalia	PTEROPODIDAE	<i>Pteropus scapulatus</i>	Little red fruit-bat
Mammalia	MOLOSSIDAE	<i>Tadarida australis</i>	White-striped mastiff bat
Mammalia	VESPERTILIONIDAE	<i>Miniopterus australis</i>	Little bent-wing bat
Mammalia	VESPERTILIONIDAE	<i>Scotorepens greyii</i>	Northern broad-nosed bat
Mammalia	MURIDAE	<i>Rattus lutreolus</i>	Swamp rat
Mammalia	MURIDAE	<i>Rattus rattus</i>	Black rat
Mammalia	MURIDAE	<i>Mus musculus</i>	House mouse

## BIRDS

Class	Family	Genus and species	Common name
Aves	PHASIANIDAE	<i>Coturnix australis</i>	Brown quail
Aves	ANSERANATIDAE	<i>Anseranas semipalmata</i>	Magpie goose
Aves	ANATIDAE	<i>Chenonetta jubata</i>	Aust wood duck
Aves	ANATIDAE	<i>Anas superciliosa</i>	Black duck
Aves	PODICIPEDIDAE	<i>Tachybaptus novaehollandiae</i>	Australasian grebe
Aves	ANHINGIDAE	<i>Anhinga melanogaster</i>	Darter
Aves	PHALACROCORACIDAE	<i>Phalacrocorax carbo</i>	Large black shag
Aves	PHALACROCORACIDAE	<i>Phalacrocorax sulcirostris</i>	Little black shag
Aves	PHALACROCORACIDAE	<i>Phalacrocorax melanoleucus</i>	Little pied shag
Aves	PELECANIDAE	<i>Pelecanus conspicillatus</i>	Australian pelican
Aves	ARDEIDAE	<i>Ardea pacifica</i>	White-necked heron
Aves	ARDEIDAE	<i>Egretta novaehollandiae</i>	White-faced heron
Aves	ARDEIDAE	<i>Egretta garzetta</i>	Little egret
Aves	ARDEIDAE	<i>Ardea ibis</i>	Cattle egret
Aves	ARDEIDAE	<i>Ardea alba</i>	Great egret
Aves	ARDEIDAE	<i>Ardea intermedia</i>	Intermediate egret
Aves	ARDEIDAE	<i>Nyctocorax caledonicus</i>	Nankeen night heron
Aves	ARDEIDAE	<i>Butorides striatus</i>	Striated heron
Aves	THRESKIORNITHIDAE	<i>Threskiornis spinicollis</i>	Straw-necked ibis
Aves	THRESKIORNITHIDAE	<i>Threskiornis molucca</i>	White ibis
Aves	THRESKIORNITHIDAE	<i>Platalea regia</i>	Royal spoonbill
Aves	ACCIPITRIDAE	<i>Haliastur indus</i>	Brahminy kite
Aves	ACCIPITRIDAE	<i>Haliastur sphenurus</i>	Whistling kite
Aves	ACCIPITRIDAE	<i>Accipiter cirrhocephalus</i>	Collared sparrowhawk

Aves	ACCIPITRIDAE	<i>Accipiter novaehollandiae</i>	Grey goshawk
Aves	ACCIPITRIDAE	<i>Pandion haliaetus</i>	Osprey
Aves	ACCIPITRIDAE	<i>Haliaeetus leocogaster</i>	White-bellied sea-eagle
Aves	FALCONIDAE	<i>Falco peregrinus</i>	Peregrine falcon
Aves	FALCONIDAE	<i>Falco longipennis</i>	Little falcon
Aves	RALLIDAE	<i>Gallirallus philippensis</i>	Buff-banded rail
Aves	RALLIDAE	<i>Amaurornis olivaceus</i>	Bush-hen
Aves	RALLIDAE	<i>Gallinula tenebrosa</i>	Dusky moorhen
Aves	RALLIDAE	<i>Porphyrio porphyrio</i>	Swamphen
Aves	SCOLOPACIDAE	<i>Gallinago hardwickii</i>	Japanese snipe
Aves	SCOLOPACIDAE	<i>Actitis hypoleuca</i>	Common sandpiper
Aves	BURHINIDAE	<i>Burhinus grallarius</i>	Bush stone-curlew
Aves	CHARADRIIDAE	<i>Vanellus miles</i>	Masked plover
Aves	LARIDAE	<i>Larus novaehollandiae</i>	Silbergull
Aves	COLUMBIDAE	<i>Streptopelia chinensis</i>	Spotted turtle-dove
Aves	COLUMBIDAE	<i>Columba livia</i>	Feral pigeon
Aves	COLUMBIDAE	<i>Ocyphaps lophotes</i>	Crested pigeon
Aves	CACATUIDAE	<i>Cacatua roseicapilla</i>	Galah
Aves	CACATUIDAE	<i>Cacatua tenuirostris</i>	Long-billed corella
Aves	CACATUIDAE	<i>Cacatua sanguinea</i>	Little corella
Aves	CACATUIDAE	<i>Cacatua galerita</i>	Sulphur-crested cockatoo
Aves	PSITTACIDAE	<i>Trichoglossus haematodus</i>	Rainbow lorikeet
Aves	PSITTACIDAE	<i>Trichoglossus chlorolepidotus</i>	Scaly-breasted lorikeet
Aves	PSITTACIDAE	<i>Platycercus adscitus</i>	Pale-headed rosella
Aves	CUCULIDAE	<i>Cuculus saturatus</i>	Oriental cuckoo
Aves	CUCULIDAE	<i>Cuculus pallidus</i>	Pallid cuckoo
Aves	CUCULIDAE	<i>Cacomantis flabelliformis</i>	Fan-tailed cuckoo
Aves	CUCULIDAE	<i>Chrysococcyx basalis</i>	Horsfield's bronze-cuckoo
Aves	CUCULIDAE	<i>Chrysococcyx lucidus</i>	Shining bronze-cuckoo
Aves	CUCULIDAE	<i>Eudynamys scolopacea</i>	Koel
Aves	CUCULIDAE	<i>Scythrops novaehollandiae</i>	Channel-billed cuckoo
Aves	CENTROPODIDAE	<i>Centropus phasianinus</i>	Coucal
Aves	STRIGIDAE	<i>Ninox novaeseelandiae</i>	Boobook
Aves	TYTONIDAE	<i>Tyto alba</i>	Barn owl
Aves	PODARGIDAE	<i>Podargus strigoides</i>	Tawny frogmouth
Aves	APODIDAE	<i>Apus pacificus</i>	Fork-tailed swift
Aves	APODIDAE	<i>Hirundapus caudacutus</i>	Spine-tailed swift
Aves	HALYCONIDAE	<i>Dacelo novaeguineae</i>	Laughing kookaburra

Aves	HALYCONIDAE	<i>Todiramphus macleayii</i>	Forest kingfisher
Aves	HALYCONIDAE	<i>Todiramphus sanctus</i>	Sacred kingfisher
Aves	MEROPIDAE	<i>Merops ornatus</i>	Rainbow bee-eater
Aves	CORACIIDAE	<i>Eurystomus orientalis</i>	Dollarbird
Aves	CLIMACTERIDAE	<i>Cormobates leucophaeus</i>	White-throated treecreeper
Aves	MALURIDAE	<i>Malurus cyaneus</i>	Superb fairy-wren
Aves	MALURIDAE	<i>Malurus lamberti</i>	Variegated fairy-wren
Aves	MALURIDAE	<i>Malurus melanocephalus</i>	Red-backed fairy-wren
Aves	PARDALOTIDAE	<i>Pardalotus striatus</i>	Striated pardalote
Aves	PARDALOTIDAE	<i>Gerygone olivacea</i>	White-throated warbler
Aves	PARDALOTIDAE	<i>Acanthiza chrysorrhoa</i>	Yellow-rumped thornbill
Aves	MELIPHAGIDAE	<i>Anthochaera chrysoptera</i>	Little wattlebird
Aves	MELIPHAGIDAE	<i>Philemon citreogularis</i>	Little friarbird
Aves	MELIPHAGIDAE	<i>Philemon corniculatus</i>	Noisy friarbird
Aves	MELIPHAGIDAE	<i>Plectrorhyncha lanceolata</i>	Striped honeyeater
Aves	MELIPHAGIDAE	<i>Entomyzon cyanotis</i>	Blue-faced honeyeater
Aves	MELIPHAGIDAE	<i>Manorina melanocephala</i>	Noisy miner
Aves	MELIPHAGIDAE	<i>Meliphaga lewinii</i>	Lewin's honeyeater
Aves	MELIPHAGIDAE	<i>Lichenostomus chrysops</i>	Yellow-faced honeyeater
Aves	MELIPHAGIDAE	<i>Melithreptus albogularis</i>	White-throated honeyeater
Aves	MELIPHAGIDAE	<i>Acanthorhynchus tenuirostris</i>	Eastern spinebill
Aves	MELIPHAGIDAE	<i>Myzomela sanguinolenta</i>	Scarlet honeyeater
Aves	MELIPHAGIDAE	<i>Lichmera indistincta</i>	Brown honeyeater
Aves	CINCLOSOMATIDAE	<i>Psophodes olivaceus</i>	Eastern whipbird
Aves	NEOSITTIDAE	<i>Daphoenositta chrysoptera</i>	Varied sittella
Aves	PACHYCEPHALIDAE	<i>Pachycephala pectoralis</i>	Golden whistler
Aves	PACHYCEPHALIDAE	<i>Pachycephala rufiventris</i>	Rufous whistler
Aves	PACHYCEPHALIDAE	<i>Colluricinclla harmonica</i>	Grey shrike-thrush
Aves	DICRURIDAE	<i>Myiagra rubecula</i>	Leaden flycatcher
Aves	DICRURIDAE	<i>Rhipidura leucophrys</i>	Willie wagtail
Aves	DICRURIDAE	<i>Rhipidura fuliginosa</i>	Grey fantail
Aves	DICRURIDAE	<i>Grallina cyanoleuca</i>	Magpie-lark
Aves	DICRURIDAE	<i>Dicrurus bracteatus</i>	Spangled drongo
Aves	CAMPEPHAGIDAE	<i>Coracina novaehollandiae</i>	Black-faced cuckoo-shrike
Aves	ORIOLIDAE	<i>Oriolus sagittatus</i>	Olive-backed oriole
Aves	ORIOLIDAE	<i>Sphecotheres viridis</i>	Figbird
Aves	ARTAMIDAE	<i>Artamus leucorhynchus</i>	White-breasted wood-swallow
Aves	ARTAMIDAE	<i>Cracticus torquatus</i>	Grey butcherbird

Aves	ARTAMIDAE	<i>Cracticus nigrogularis</i>	Pied butcherbird
Aves	ARTAMIDAE	<i>Gymnorhina tibicen</i>	Aust magpie
Aves	ARTAMIDAE	<i>Strepera graculina</i>	Pied currawong
Aves	CORVIDAE	<i>Corvus orru</i>	Torresian crow
Aves	MOTACILLIDAE	<i>Anthus novaeseelandiae</i>	Richard's pipit
Aves	PASSERIDAE	<i>Lonchura castaneothorax</i>	Chestnut-breasted mannikin
Aves	PASSERIDAE	<i>Lonchura punctulata</i>	Nutmeg mannikin
Aves	PASSERIDAE	<i>Passer domesticus</i>	House sparrow
Aves	DICAEIDAE	<i>Dicaeum hirundinaceum</i>	Mistletoebird
Aves	HIRUNDINIDAE	<i>Hirundo neoxena</i>	Welcome swallow
Aves	HIRUNDINIDAE	<i>Hirundo ariel</i>	Fairy martin
Aves	SYLVIIDAE	<i>Arocephalus stentoreus</i>	Clamorous reed-warbler
Aves	SYLVIIDAE	<i>Cincloramphus cruralis</i>	Brown songlark
Aves	SYLVIIDAE	<i>Cisticola exilis</i>	Golden-headed cisticola
Aves	ZOSTEROPIDAE	<i>Zosterops lateralis</i>	Silvereye
Aves	STURNIDAE	<i>Sturnus vulgaris</i>	Common starling
Aves	STURNIDAE	<i>Acridotheres tristis</i>	Indian myna

## FISH

Class	Family	Genus and species	Common name
Osteichthyes	ELEOTRIDIDAE	<i>Hypseleotris compressa</i>	Empire gudgeon
Osteichthyes	ELEOTRIDIDAE	<i>Hypseleotris galii</i>	Fire-tail gudgeon
Osteichthyes	POECILIIDAE	<i>Gambusia holbrooki</i>	Mosquitofish
Osteichthyes	CENTROPOMIDAE	<i>Ambassis marianus</i>	Yellow perchlet
Osteichthyes	CENTROPOMIDAE	<i>Ambassis agassizii</i>	Agassiz's glassfish
Osteichthyes	ANGUILLIDAE	<i>Anguilla reinharthii</i>	Long-finned eel
Osteichthyes	MUGILIDAE	<i>Liza argentea</i>	Tiger mullet
Osteichthyes	ELEOTRIDIDAE	<i>Gobiomorphus australis</i>	Striped gudgeon

## BUTTERFLIES

Class	Family	Genus and species	Common name
Insecta	HESPERIIDAE	<i>Trapezites s symmomus</i>	Splendid ochre
Insecta	HESPERIIDAE	<i>Suniana sunias</i>	Wide-branded grass dart
Insecta	HESPERIIDAE	<i>Cephrenes augiades sperthias</i>	Orange palm-dart
Insecta	HESPERIIDAE	<i>Ocybadistes flavovittata</i>	Narrow-brand grass-dart
Insecta	HESPERIIDAE	<i>Ocybadistes walkeri sothis</i>	Green grass-dart
Insecta	PAPILIONIDAE	<i>Protographium l leosthenes</i>	Fourbar swallowtail
Insecta	PAPILIONIDAE	<i>Graphium sarpedon choredon</i>	Blue triangle

Insecta	PAPILIONIDAE	<i>Graphium eurypylus lycaon</i>	Pale triangle
Insecta	PAPILIONIDAE	<i>Papilio demoleus sthenelus</i>	Chequered swallowtail
Insecta	PAPILIONIDAE	<i>Papilio a aegeus</i>	Orchard swallowtail
Insecta	PAPILIONIDAE	<i>Cressida c cressida</i>	Big greasy
Insecta	PIERIDAE	<i>Catopsilia p pomona</i>	Lemon migrant
Insecta	PIERIDAE	<i>Eurema brigitta australis</i>	No-brand grass yellow
Insecta	PIERIDAE	<i>Eurema hecabe phoebus</i>	Grass yellow
Insecta	PIERIDAE	<i>Eurema s smilax</i>	Small grass yellow
Insecta	PIERIDAE	<i>Delias a argenthona</i>	Northern jezabel
Insecta	PIERIDAE	<i>Delias nigrina</i>	Common jezabel
Insecta	PIERIDAE	<i>Belenois java teutonia</i>	Caper white
Insecta	PIERIDAE	<i>Appias paulina ega</i>	Common albatross
Insecta	PIERIDAE	<i>Pieris r rapae</i>	Cabbage white
Insecta	NYMPHALIDAE	<i>Danaus p plexippus</i>	Monarch
Insecta	NYMPHALIDAE	<i>Danaus chrysippus petilia</i>	Lesser wanderer
Insecta	NYMPHALIDAE	<i>Tirumala hamata</i>	Blue tiger
Insecta	NYMPHALIDAE	<i>Euploea core corinna</i>	Common crow
Insecta	NYMPHALIDAE	<i>Melanitis leda bankia</i>	Evening brown
Insecta	NYMPHALIDAE	<i>Polyura s semprionus</i>	Tailed emperor
Insecta	NYMPHALIDAE	<i>Phaedyma s shepherdii</i>	Common aeroplane
Insecta	NYMPHALIDAE	<i>Hypolimnas bolina nerina</i>	Blue moon
Insecta	NYMPHALIDAE	<i>Vanessa kershawi</i>	Painted lady
Insecta	NYMPHALIDAE	<i>Vanessa itea</i>	Yellow admiral
Insecta	NYMPHALIDAE	<i>Junonia villida calybe</i>	Meadow argus
Insecta	NYMPHALIDAE	<i>Acraea a andromacha</i>	Glasswing
Insecta	LYCAENIDAE	<i>Candalides e erinus</i>	Small dusky-blue
Insecta	LYCAENIDAE	<i>Psychonotis caelius taygetus</i>	Green-banded blue
Insecta	LYCAENIDAE	<i>Zizina l labradus</i>	Common grass blue
Insecta	LYCAENIDAE	<i>Leptotes plinius pseudocassius</i>	Plumbago blue
Insecta	LYCAENIDAE	<i>Prosotas d dubiosa</i>	Purple line blue

## DRAGONFLIES/DAMSELFLIES

Class	Family	Genus and species	Common name
Insecta	COENAGRIONIDAE	<i>Ischnura heterosticta</i>	
Insecta	COENAGRIONIDAE	<i>Ischnura a aurora</i>	
Insecta	MEGAPODAGRIONIDAE	<i>Austroargiolestes icteromelas</i>	
Insecta	LESTIDAE	<i>Austrolestes leda</i>	
Insecta	AESHNIDAE	<i>Aeshna brevipistyla</i>	

Insecta	AESHNIDAE	<i>Hemianax papuensis</i>
Insecta	CORDULIIDAE	<i>Hemicordulia australiae</i>
Insecta	LIBELLULIDAE	<i>Agrionoptera insignis allogenae</i>
Insecta	LIBELLULIDAE	<i>Brachydiplax denticauda</i>
Insecta	LIBELLULIDAE	<i>Crocothemis nigrifrons</i>
Insecta	LIBELLULIDAE	<i>Diplacodes bipunctata</i>
Insecta	LIBELLULIDAE	<i>Diplacodes haematodes</i>
Insecta	LIBELLULIDAE	<i>Nannodiplax rubra</i>
Insecta	LIBELLULIDAE	<i>Orthetrum caledonicum</i>
Insecta	LIBELLULIDAE	<i>Orthetrum sabina</i>
Insecta	LIBELLULIDAE	<i>Orthetrum villosovittatum</i>
Insecta	LIBELLULIDAE	<i>Pantala flavescens</i>
Insecta	LIBELLULIDAE	<i>Rhyothemis graphiptera</i>
Insecta	LIBELLULIDAE	<i>Rhyothemis phyllis chloe</i>
Insecta	LIBELLULIDAE	<i>Trapezostigma loewii</i>

## CICADAS

Class	Family	Genus and species	Common name
Insecta	CICADIDAE	<i>Psaltoda claripennis</i>	
Insecta	CICADIDAE	<i>Psaltoda harrisii</i>	Yellowbelly
Insecta	CICADIDAE	<i>Glaucoptaria viridis</i>	Bottle cicada
Insecta	CICADIDAE	<i>Chlorocysta vitripennis</i>	Small bottle cicada
Insecta	CICADIDAE	<i>Abricta curvicosta</i>	Floury baker
Insecta	CICADIDAE	<i>Birrama varians</i>	Black tree ticker
Insecta	CICADIDAE	<i>Cicadetta hackeri</i>	Paperbark cicada
Insecta	CICADIDAE	<i>Cicadetta oldfieldii</i>	Wattle cicada
Hemiptera	CICADIDAE	<i>Tamasa tristigma</i>	Brown bunyip

## CRUSTACEANS

Class	Family	Genus and species	Common name
Decapoda	PARASTACIDAE	<i>Cherax depressus</i>	Orange-fingered yabby