



## **APPENDIX A**

### **FAUNA SPECIES LIST**



## FAUNA SPECIES LIST

The following list includes all fauna species encountered on site during fieldwork. Includes species observed or indicated by scats, tracks etc. on or over the site during field investigations.

@ - Past site records (various sources)

\* - Introduced species

? - Unconfirmed record

O/H – species flying overhead

P – Personal Communication from landholders

The list includes threatened species listed under the *Threatened Species Conservation Act 1995* (TSC Act) or the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). Such species are indicated in **bold font** and marked as:

**(V)** = Vulnerable Species listed under the TSC Act

**(E)** = Endangered Species listed under the TSC Act

**(CE)** = Critically Endangered Species listed under the TSC Act

**(EV)** = Vulnerable Species listed under the EPBC Act 1999

**(EE)** = Endangered Species listed under the EPBC Act 1999

**(CEE)** = Critically Endangered Species listed under the EPBC Act 1999



### BIRDS

Family Phasianidae - True Quails  
Brown Quail

*Coturnix ypsilophora*

Family Anatidae - Ducks, Swans and Geese  
Wood Duck

*Chenonetta jubata*

Family Pelecanidae- Pelican  
(O/H) Australian Pelican

*Pelecanus conspicillatus*

Family Ardeidae - Herons, Egrets and Bitterns  
O/H Cattle Egret

*Ardea ibis*

Family Falconidae - Falcons  
O/H Australian Hobby

*Falco longipennis*

Family Charadriidae - Plovers, Dotterels and Lapwings  
Masked Lapwing

*Vanellus miles*

Family Columbidae - Pigeons, Doves  
O/H \*Feral Pigeon  
Crested Pigeon  
\*Spotted Dove

*Columba livia*  
*Ocyphaps lophotes*  
*Streptopelia chinensis*

Family Cacatuidae - Cockatoos and Corellas  
Galah

*Cacatua roseicapilla*

Family Psittacidae - Parrots, Rosellas and Lorikeets  
Eastern Rosella  
Rainbow Lorikeet

*Platycercus eximius*  
*Trichoglossus haematodus*

Family Halcyonidae - Tree Kingfishers  
Laughing Kookaburra

*Dacelo novaeguineae*

Family Maluridae - Fairy-Wrens and Emu-Wrens  
Superb Fairy-Wren

*Malurus cyaneus*

Family Pardalotidae - Pardalotes, Gerygones, Scrubwrens, Heathwrens and Thornbills  
Spotted Pardalote

*Pardalotus punctatus*

Family Meliphagidae - Honeyeaters  
Noisy Miner

*Manorina melanocephala*

Family Pachycephalidae - Whistlers, Shrike-tit and Shrike-thrushes  
Rufous Whistler

*Pachycephala rufiventris*



Family Dicuridae - Monarchs, Flycatchers, Fantails, Drongo and Magpie-Lark

Magpie-lark  
Willie Wagtail

*Grallina cyanoleuca*  
*Rhipidura leucophrys*

Family Artamidae - Wood-swallows, Butcherbirds, Magpie and Currawongs

Grey Butcherbird  
Australian Magpie  
Pied Currawong

*Cracticus torquatus*  
*Gymnorhina tibicen*  
*Strepera graculina*

Family Corvidae - Crows, Raven

Australian Raven

*Corvus coronoides*

Family Corcoracidae - Mudnest-builders

White-winged Chough

*Corcorax melanorhamphos*

Family Passeridae - Sparrows, Grassfinches, Mannikins

Double-barred Finch

*Poephila bichenovii*

Family Dicaeidae - Flowerpeckers

Mistletoebird

*Dicaeum hirundinaceum*

Family Hirundinidae - Swallows and Martins

Tree Martin  
Welcome Swallow

*Cecropis nigricans*  
*Hirundo neoxena*

Family Pycnonotidae - Bulbuls

\*Red-whiskered Bulbul

*Pycnonotus jocosus*

Family Zosteropidae - White-eyes

Silvereye

*Zosterops lateralis*

Family Sturnidae - Starlings and Mynas

\*Common Myna

*Acridotheres tristis*



### AMPHIBIANS

#### Family Myobatrachidae - 'Southern' Frogs

Common Eastern Froglet  
Striped Marsh Frog  
Spotted Grass Frog  
Smooth Toadlet

*Crinia signifera*  
*Limnodynastes peronii*  
*Limnodynastes tasmaniensis*  
*Uperoleia laevisgata*

#### Family Hylidae - Tree Frogs

@ **Green and Golden Bell Frog**  
Bleating Tree Frog

***Litoria aurea*** (E, EV)  
*Litoria dentata*

### REPTILES

#### Family Chelidae - Tortoises

Eastern Snake-necked Tortoise

*Chelodina longicollis*

#### Family Scinidae - Skinks

Striped Skink  
Grass Skink  
Eastern Blue-tongued Lizard

*Ctenotus robustus*  
*Lampropholis delicata*  
*Tiliqua scincoides*

#### Family Elapidae - Venomous Snakes

P Red-bellied Black Snake  
P Eastern Brown Snake

*Pseudechis porphyriacus*  
*Pseudonaja textilis*

### MAMMALS

#### Family Pteropodidae - Fruit Bats

**Grey-headed Flying-fox**

***Pteropus poliocephalus*** (V, EV)

#### Family Muridae - Rodents

\*Black Rat

*Rattus rattus*

#### Family Canidae

\*Dog

*Canis familiaris*

#### Family Felidae

\*Cat

*Felis catus*

#### Family Leporidae

# \*Rabbit

*Oryctolagus cuniculus*

#### Family Bovidae

\*Goat

*Capra hircus*



## **APPENDIX B**

### **SITE PHOTOGRAPHS**



Typha drain (man-made) in southern drainage reserve area



Permanent dam ringed by Typha in southern drainage reserve area





Typha soak area in north-eastern sector



Disturbed vegetation remnants in north-eastern corner along Garfield Road East





Shale/Gravel Transition Forest



Shale/Gravel Transition Forest





Example of managed area in proximity to existing dwellings



Rank Grassland



**APPENDIX C**

**REPORT AUTHOR CV**



## CRAIG ANDERSON Curriculum Vitae

*An environmental professional with over 20 years experience providing high level ecological services, advice, strategic direction and management for sectors such as land development, infrastructure, conservation, government, legal, mining & quarrying.*

### Personal Details

Full Name: Craig John Anderson  
Date of Birth: 5 November 1971  
Postal Address: PO Box 210, ADAMSTOWN NSW 2289  
Email: birdnut38@yahoo.com.au  
Phone Mobile: 0418 681 581

### Qualifications

- Bachelor of Applied Science (Environmental Assessment & Management) University of Newcastle, New South Wales (1994).
- Currently completing a Graduate Diploma in Archaeological Heritage through University of New England (one subject to complete).

### Licencing

- NSW Scientific Investigation Licence SL101313
- NSW Animal Research Authority
- Accredited Biobanking Assessor No. 0150

### Further Education & Training (select summary)

- Biobank and Biocertification Assessors Training Course
- Animal Ethics Training (University of Newcastle / NSW DPI)
- RFS / PIA NSW Consulting Planners Bushfire Training
- Bush Regeneration Training
- NSW Driver's Licence: Car (Class "C"). Experienced 4WD operator.
- Occupational Health & Safety Training, including legal compliance requirements of Officers (Standard 11 & S1,S2,S3) / Green Card.
- + various other vocational environmental and computer based training sessions.





## Fields of Special Competence

- Production and peer review of detailed environmental impact assessment documentation. Author and / or Manager of hundreds of ecological / environmental / bushfire / historical heritage / archaeological heritage / strategic & statutory planning documents over approximately 20 years of environmental work
- Detailed ecological field survey, covering all aspects of terrestrial and aquatic flora and fauna
- Expert witness legal representation
- Ecological Management Planning, ranging from individual species to full ecosystem management
- Project Management and delivery of complex projects, including projects worth more than \$100M
- Project Management (including areas outside environmental sphere)
- Environmental Due Diligence processes for both asset procurement and divestment
- Management and co-ordination of teams producing EIA documentation
- Identification of strategic approval pathways and key project risk evaluation and management
- Extensive experience in conflict resolution, impact mediation and outcome negotiation on large scale and contentious projects
- Detailed knowledge of land and infrastructure development processes
- Detailed knowledge of coal mining development and operational processes

## Professional Affiliations / Memberships (past / present)

- Hunter Bird Observers Club (HBOC). Current member of Records Appraisal Committee, previous elected Committee Member.
- Society for Growing Australian Plants (SGAP).
- Hunter Coal Environment Group (HCEG).
- NSW Minerals Council (NSWMC), including Executive Committee Meetings representation.
- Queensland Resources Council (QRC).
- Bird Observers Club of Australia (BOCA).
- Ecological Consultants Association of NSW (ECA). Involved in the initial formulation of the Association. Served two terms as an elected Councillor.
- Urban Development Institute of Australia (UDIA).
- Planning Institute of Australia (PIA).



- Australasian Bat Society (ABS).
- Frog and Tadpole Study Group (FATS).
- Society of Frogs and Reptiles (SOFAR).
- Society for Growing Australian Plants (SGAP).
- Hunter Heritage Network (HHN).

## **Employment History**

**2013-present      Director / Principal Consultant**  
Anderson Environment & Planning, Newcastle

Providing consulting services to land, property, mining industry, legal, government. Covering ecological, project management, environmental, planning services, advices, strategy and representation.

**2012-present      Director**  
Habitat Indoor / Outdoor Living, Furniture, Homewares & Design, Newcastle

Well known retailer servicing high end of market for indoor and outdoor furniture and homewares, interior and landscape design, curtain and blind services, specimen plant supply etc.

**2010-2012      General Manager Sustainable Development**  
Cockatoo Coal Ltd, Coal Mining Company,  
Newcastle / Sydney / Brisbane

Employed by emerging coal company to establish regional offices & build staff workforce and business systems to deliver projected growth. Oversaw and managed all aspects of the Sustainable Development portfolio (encompassing Environmental Compliance & Approvals, External Affairs, Health & Safety, and GIS) and the 20+ staff therein, maintained relationships with key business partners including high profile Korean and Japanese companies, actively managed and oversaw all aspects of SD for all company projects, assisted the Board and top tier management when required in relation to assessing and delivering business opportunities, and managing risk. Included overseeing the progression of up to six EIS and related processes for new and/or expanded mining projects, some with capital values exceeding \$1 Billion.

**2009 – 2010      Independent Environmental Expert**  
Donaldson Conservation Trust

Appointed by Donaldson Coal as the Independent Environmental Expert to oversee the planning and implementation of environmental programs governed by the Trust. The Donaldson Conservation Trust was established to address a Condition of Consent for the Abel Coal Mine in the Lower Hunter Valley.



**2010**                      **Principal - Environment**  
RPS, Development Consultants, Newcastle

Providing high level ecological services to key mining, government and land development clients.

**2006 – 2009**            **Manager Environment Group**  
RPS HSO, Development Consultants, Newcastle  
(Company sold to UK listed Company RPS in Nov 2006)

Managing the growth and development of the Environment Group. Providing project management, planning and environmental services to key mining, land development and government clients. Interface and business development activities with the wider global RPS Group.

**2001 – 2006**            **Manager Environment Group / Director**  
Harper Somers O'Sullivan, Development Consultants, Newcastle.  
(Company Director & shareholder as of July 2003)

Established & grew the Environment Group of the business, and co-managed and grew the operation from 20 staff to a business of 50+ staff. Managed environmental portfolio on many significant projects for a wide variety of clients in Australia and New Zealand. Ran the successful due diligence process and sale of the business to UK listed Company RPS.

**2000 – 2001**            **Senior Ecologist & NSW Projects Manager**  
Wildthing Environmental Consultants, Salt Ash.

Managed all staff and key projects for the business in association with owners. Actively contributed to significant growth in size and turnover of the business. Services covered a wide variety of ecological, environmental, planning and heritage related commissions.

**1996 – 1999**            **Ecologist**  
Wildthing Environmental Consultants, Salt Ash.

Undertook and managed numerous ecological and other environmental related projects throughout Australia. Played a key role in the growth in standing, size, turnover and client roster of the Company.

**1995 – 1996**            **Ecologist / Environmental Officer**  
Pulver Cooper & Blackley, Engineers & Surveyors, Newcastle.

Undertook a variety of environmental, surveying and mapping related works for land development and construction projects.

**1995**                      **Environmental Officer / Cadastral Survey Assistant**  
Kel Nagle Cooper & Associates, Golf Course Design & Construction Newcastle.