

## **Roads and Traffic Authority**

Pacific Highway Upgrade -  
Oxley Highway to Kempsey  
Flora and Fauna Working Paper

September 2010

GHD Pty Ltd  
ABN 39 008 488 373  
Level 3, GHD Tower  
24 Honeysuckle Drive  
NEWCASTLE NSW 2300  
Phone: +61 2 4979 9999  
Fax: +61 2 4979 9988  
Email: [ntlmail@ghd.com](mailto:ntlmail@ghd.com)

Appendix K

## Species list for Lower North Coast fauna assemblages

## Species lists for Lower North Coast (LNC) Fauna Assemblages (NPWS 2005)

### 1. SPECIES LIST FOR THE DRY VALLEYS ASSEMBLAGE

Consists of 14 species characteristic of the dry open forests of the valleys, gorges and headwaters of the LNC analysis area. This assemblage is associated with the Dry Coastal Foothills (LNC) assemblage, but is characteristic of less productive open forests and woodlands at the drier end of the overall moisture gradient in the LNC analysis area. The assemblage includes significant key habitats, and potential corridors, for threatened species such as Bush Stone-curlew, Turquoise Parrot, Grey-crowned Babbler and Brush-tailed Rock-wallaby.

#### COMMON NAME:

Pale-headed Snake  
Black-necked Stork  
Musk Lorikeet  
Forest Kingfisher  
Yellow-tufted Honeyeater  
Painted Honeyeater  
Chestnut-rumped Heathwren  
Hooded Robin  
Grey-crowned Babbler  
New Holland Mouse  
Inland Broad-nosed Bat  
Bush Stone-curlew  
Turquoise Parrot  
Brush-tailed Rock-wallaby

#### SCIENTIFIC NAME:

*Hoplocephalus bitorquatus*  
*Ephippiorhynchus asiaticus*  
*Glossopsitta concinna*  
*Todiramphus macleayi*  
*Lichenostomus melanops*  
*Grantiella picta*  
*Hylacola pyrrhopygia*  
*Melanodryas cucullata*  
*Pomatostomus temporalis*  
*Pseudomys novaehollandiae*  
*Scotorepens balstoni*  
*Burrhinus grallarius*  
*Neophema pulchella*  
*Petrogale penicillata*

### 2. SPECIES LIST FOR MOIST ESCARPMENT FOOTHILLS LNC ASSEMBLAGE

This assemblage is widespread, with a similar species composition and pattern of distribution to the Upper North Coast Moist Escarpment-Foothills (UNC) assemblage. The assemblage consists of ten priority species, including several renowned for their sensitivity to loss of habitat and disturbance (e.g. Yellow-bellied Glider, Powerful and Masked Owls). Key habitats are reasonably widespread, and commonly occur within public lands. Potential corridors link this rather widespread assemblage and its key habitats across all tenures. Four broad bands of potential corridors provide important altitudinal links from the escarpment forests to the foothills and tablelands.

#### COMMON NAME:

Powerful Owl  
Masked Owl  
Eastern Freetail-bat  
Grey-headed Flying Fox  
Little Bent-wing bat  
Common Bent-wing bat  
Eastern Forest Bat  
Glossy Black-cockatoo  
Koala  
Yellow-bellied Glider

#### SCIENTIFIC NAME:

*Ninox strenua*  
*Tyto novaehollandiae*  
*Mormopterus norfolkensis*  
*Pteropus poliocephalus*  
*Miniopterus australis*  
*Miniopterus schreibersii*  
*Vespadelus pumilus*  
*Calyptorhynchus lathami*  
*Phascolarctos cinereus*  
*Petaurus australis*

### 3. SPECIES LIST FOR THE DRY COASTAL FOOTHILLS LNC ASSEMBLAGE

Consists of fewer species than the Upper North Coast Dry Coastal Foothills (UNC) assemblage (8 compared with 22) but has similar species composition and similar patterns of distribution. This assemblage is characteristic of productive dry open forests of the foothills and floodplains, most of which remain outside reserves, on freehold and State Forest tenures, which is also similar to the Upper North Coast Dry Coastal Foothills assemblage of the UNC. Significant areas of key habitats and potential corridors occur in the lower part of the LNC analysis area to the west of Port Stephens, in what is broadly referred to as the Lower Hunter Valley.

#### COMMON NAME:

Bibron's Toadlet  
Green-thighed Frog  
Brush Bronzewing  
Common Planigale  
Rufous Bettong  
Broad-nosed Bat  
Brush-tailed Phascogale  
Squirrel Glider

#### SCIENTIFIC NAME:

*Pseudophryne bibroni*  
*Litoria brevipalmata*  
*Phaps elegans*  
*Planigale maculata*  
*Aepyprymnus rufescens*  
*Scotorepens sp. 1*  
*Phascogale tapoatafa*  
*Petaurus norfolcensis*

### 4. SPECIES LIST FOR THE COASTAL COMPLEX LNC ASSEMBLAGE

Has a similar species composition to the Upper North Coast Coastal Complex (UNC) assemblage. It consists of seven species characteristic of coastal forests and associated environments of the LNC analysis area.

#### COMMON NAME:

Wallum Froglet  
Coastal Shade Skink  
Little Bronze-Cuckoo  
Osprey  
Eastern Chestnut Mouse  
Common Blossom-bat  
Black Bittern

#### SCIENTIFIC NAME:

*Crinia tinnula*  
*Saproscincus oriarus*  
*Chrysococcyx minutillus*  
*Pandion haliaetus*  
*Pseudomys gracilicaudatus*  
*Syconycteris australis*  
*Lxobrychus flavicollis*