

Appendix F - Ecology

1.1 EPBC Act and TSC Act Results

Table 1 Nationally Threatened Ecological Communities (EPBC Act)

Name	Scientific Name	EPBC Act Status	Presence
Cumberland Plain Shale Woodlands and Shale-Gravel Transition Forest		Critically Endangered	Community likely to occur within area

Table 2 Threatened Ecological Communities (TSC Act)

Name	Scientific Name	TSC Act Status	Presence
Agnes Banks Woodland in the Sydney Basin Bioregion		Endangered	
Blue Gum High Forest in the Sydney Basin Bioregion		Endangered	
Castlereagh Scribbly Gum Woodland in the Sydney Basin Bioregion		Vulnerable	
Castlereagh Swamp Woodland Community		Endangered	
Cooks River/Castlereagh Ironbark Forest in the Sydney Basin Bioregion		Endangered	
Cumberland Plain Woodland in the Sydney Basin Bioregion		Endangered	Present within the adjoining riparian area/re-vegetation area
River-Flat Eucalypt Forest on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions		Endangered	Present within the adjoining riparian area/re-vegetation area
Shale gravel Transition Forest in the Sydney Basin Bioregion		Endangered	
Shale/Sandstone Transition Forest		Endangered	
Southern Sydney sheltered forest on transitional sandstone soils in the Sydney Basin Bioregion		Endangered	
Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions		Endangered	
Western Sydney Dry Rainforest in the Sydney Basin Bioregion		Endangered	

Table 3 Threatened Species (EPBC Act and TSC Act)

Name	Scientific Name	EPBC Status	TSC Act Status	Presence
Birds				
Regent Honeyeater	<i>Anthochaera phrygia</i>	Endangered		Species or species habitat likely to occur within area
Australasian Bittern	<i>Botaurus</i>	Endangered		Species or species

Name	Scientific Name	EPBC Status	TSC Act Status	Presence
	<i>poiciloptilus</i>			habitat known to occur within area
Red Goshawk	<i>Erythrorichis radiatus</i>	Vulnerable		Species or species habitat may occur within area
Swift Parrot	<i>Lathamus discolor</i>	Endangered		Species or species habitat may occur within area
Australian Painted Snipe	<i>Rostratula australis</i>	Vulnerable		Species or species habitat likely to occur within area
Black-necked Stork	<i>Ephippiorhynchus asiaticus</i>		Endangered	1 record
Bush Stone-curlew	<i>Burhinus grallarius</i>		Endangered	2 records
Speckled Warbler	<i>Chthonicola sagittata</i>		Vulnerable	10 records
Varied Sittella	<i>Daphoenositta chrysoptera</i>		Vulnerable	6 records
Scarlet Robin	<i>Petroica boodang</i>		Vulnerable	1 record
Diamond Firetail	<i>Stagonopleura guttata</i>		Vulnerable	1 record
Fish				
Macquarie Perch	<i>Macquaria australasica</i>	Endangered		Species or species habitat may occur within area
Australian Grayling	<i>Prototroctes maraena</i>	Vulnerable		Species or species habitat may occur within area
Frogs				
Giant Burrowing Frog	<i>Heleioporus australiacus</i>	Vulnerable		Species or species habitat likely to occur within area
Green and Golden Bell Frog	<i>Litoria aurea</i>	Vulnerable		Species or species habitat may occur within area
Giant Barred Frog, Southern Barred Frog	<i>Mixophyes iteratus</i>	Endangered		Species or species habitat likely to occur within area
Mammals				
Large-eared Pied Bat, Large Pied Bat	<i>Chalinolobus dwyeri</i>	Vulnerable		Species or species habitat may occur within area
Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population)	<i>Dasyurus maculatus maculatus</i> (SE mainland population)	Endangered		Species or species habitat may occur within area
Brush-tailed Rock-wallaby	<i>Petrogale penicillata</i>	Vulnerable		Species or species habitat may occur within area
Koala (combined populations of Queensland, New	<i>Phascolarctos</i>	Vulnerable		Species or species habitat known to

Name	Scientific Name	EPBC Status	TSC Act Status	Presence
South Wales and the Australian Capital Territory)	<i>cinereus</i> (combined populations of Qld, NSW and the ACT)			occur within area
Long-nosed Potoroo (SE mainland)	<i>Potorous tridactylus tridactylus</i>	Vulnerable		Species or species habitat may occur within area
New Holland Mouse	<i>Pseudomys novaehollandiae</i>	Vulnerable		Species or species habitat likely to occur within area
Grey-headed Flying-fox	<i>Pteropus poliocephalus</i>	Vulnerable	Vulnerable	Foraging, feeding or related behaviour known to occur within area
Eastern Freetail-bat	<i>Mormopterus norfolkensis</i>		Vulnerable	6 records
Eastern Bentwing-bat	<i>Miniopterus schreibersii oceanensis</i>		Vulnerable	4 records
Southern Myotis	<i>Myotis macropus</i>		Vulnerable	1 record
Greater Broad-nosed Bat	<i>Scoteanax rueppellii</i>		Vulnerable	1 record
Reptiles				
Broad-headed Snake	<i>Hoplocephalus bungaroides</i>	Vulnerable		Species or species habitat likely to occur within area
Gastropoda				
Cumberland Plain Land Snail	<i>Meridolum corneovirens</i>		Endangered	55 records (2004 recording within the riparian area)
Flora				
Downy Wattle, Hairy Stemmed Wattle	<i>Acacia pubescens</i>	Vulnerable		Species or species habitat likely to occur within area
White-flowered Wax Plant	<i>Cynanchum elegans</i>	Endangered		Species or species habitat likely to occur within area
Small-flower Grevillea	<i>Grevillea parviflora subsp. parviflora</i>	Vulnerable		Species or species habitat likely to occur within area
Nodding Geebung	<i>Persoonia nutans</i>	Endangered		Species or species habitat likely to occur within area
	<i>Pimelea curviflora var. curviflora</i>	Vulnerable		
	<i>Pimelea spicata</i>	Endangered		Species or species habitat likely to occur within area
Rufous Pomaderris	<i>Pomaderris brunnea</i>	Vulnerable		Species or species habitat likely to occur within area
Sydney Plains Greenhood	<i>Pterostylis saxicola</i>	Endangered		Species or species habitat may occur within area

Name	Scientific Name	EPBC Status	TSC Act Status	Presence
	<i>Pultenaea parviflora</i>	Vulnerable		Species or species habitat likely to occur within area
Siah's Backbone, Sia's Backbone, Isaac Wood	<i>Streblus pendulinus</i>	Endangered		Species or species habitat may occur within area
	<i>Marsdeniaviridiflora subsp. viridiflora</i>		Endangered	12 records
	<i>Dillwynia tenuifolia</i>		Endangered	14 records
	<i>Pultenaea parviflora</i>		Endangered	81 records
	<i>Hypsela sessiliflora</i>		Endangered	7 records
Juniper-leaved Grevillea	<i>Grevillea juniperina subsp. juniperina</i>		Vulnerable	13 records
Small-flower Grevillea	<i>Grevillea parviflora subsp. parviflora</i>		Vulnerable	10 records
Nodding Geebung	<i>Persoonia nutans</i>		Endangered	3 records
Spiked Rice-flower	<i>Pimelea spicata</i>		Endangered	1 record

Table 4 Migratory Species

Name	Scientific Name	EPBC Status	Presence
Migratory Marine Birds			
Fork-tailed Swift	<i>Apus pacificus</i>		Species or species habitat may occur within area
Great Egret, White Egret	<i>Ardea alba</i>		Species or species habitat may occur within area
Cattle Egret	<i>Ardea ibis</i>		Species or species habitat may occur within area
Migratory Terrestrial Species			
White-bellied Sea-Eagle	<i>Haliaeetus leucogaster</i>		Species or species habitat likely to occur within area
White-throated Needletail	<i>Hirundapus caudacutus</i>		Species or species habitat known to occur within area
Rainbow Bee-eater	<i>Merops ornatus</i>		Species or species habitat may occur within area
Black-faced Monarch	<i>Monarcha melanopsis</i>		Species or species habitat known to occur within area
Satin Flycatcher	<i>Myiagra cyanoleuca</i>		Breeding likely to occur within area
Rufous Fantail	<i>Rhipidura rufifrons</i>		Breeding likely to occur within area
Regent Honeyeater	<i>Xanthomyza phrygia</i>	Endangered	Species or species habitat likely to occur within area
Migratory Wetland Species			
Great Egret, White Egret	<i>Ardea alba</i>		Species or species habitat may occur within area
Cattle Egret	<i>Ardea ibis</i>		Species or species habitat may occur within area

Name	Scientific Name	EPBC Status	Presence
Latham's Snipe, Japanese Snipe	<i>Gallinago hardwickii</i>		Species or species habitat may occur within area
Painted Snipe	<i>Rostratula benghalensis (sensulato)</i>	Vulnerable	Species or species habitat likely to occur within area