

Roads and Traffic Authority

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

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Appendix C

Other database searches for species of conservation significance

AUSTRALIAN MUSEUM

BIRDS AUSTRALIA

ROTAP

ROYAL BOTANIC GARDENS

Table C1 **Threatened fauna records – combined database search results**

Scientific name	Common name	Status (TSC)	Status (EPBC)	Earliest / latest record	No. of DECC records within 10km (2km)	No. of Forests NSW records within 10km (2km)	No. of Aust. Museum records within 10km (2km)
Birds							
<i>Botaurus poiciloptilus</i>	Australasian bittern	V	-	1998-2005	6	-	-
<i>Calyptorhynchus lathami</i>	Glossy black-cockatoo	V	-	1982-2005	59 (17)	23 (9)	-
<i>Coracina lineata</i>	Barred cuckoo-shrike	V	-	1983-2000	7	-	1
<i>Ephippiorhynchus asiaticus</i>	Black-necked stork	E1	-	1900-2006	102 (9)	-	5
<i>Grantiella picta</i>	Painted honeyeater	V	-	1983	1 (1)	-	-
<i>Grus rubicundus</i>	Brolga	V	-	2003-2005	3	-	1
<i>Climacteris picumnus</i>	Brown treecreeper	V	-	2004	2	-	-
<i>Esacus neglectus</i>	Beach stone-curlew	E1	Ma	1990	1	-	-
<i>Hamirostra melanosternon</i>	Black-breasted buzzard	V	-	1991	1	-	-
<i>Irediparra gallinacea</i>	Comb-crested jacana	V	-	1991-2000	7	-	-
<i>Ixobrychus flavicollis</i>	Black bittern	V	-	1991-1997	2 (1)	-	-
<i>Lathamus discolor</i>	Swift parrot	E1	E	2002-2004	7	-	-
<i>Lophoictinia isura</i>	Square-tailed kite	V	-	1991-2005	31 (12)	3 (1)	2
<i>Melanodryas cucullata</i>	Hooded robin	V	-	1904	-	-	1
<i>Ninox strenua</i>	Powerful owl	V	-	1991-2003	12	9 (2)	-
<i>Oxyura australis</i>	Blue-billed duck	V	-	1985-2003	2	-	-
<i>Stictonetta naevosa</i>	Freckled duck	V	-	1983	3	-	-
<i>Pandion haliaetus</i>	Osprey	V	Mi	1983-2006	45 (6)	-	-
<i>Podargus ocellatus</i>	Marbled frogmouth	V	-	1997	1 (1)	-	-

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<i>Ptilinopus magnificus</i>	Wompoo fruit-dove	V	-	1985-1994	2	2	-
<i>Tyto capensis</i>	Grass owl	V	-	1998-2004	9	-	-
<i>Tyto novaehollandiae</i>	Masked owl	V	-	1991-2005	12 (4)	2 (1)	-
<i>Tyto tenebricosa</i>	Sooty owl	V	-	1898-2006	10 (2)	6 (2)	1
<i>Xanthomyza phrygia</i>	Regent honeyeater	E1	E, Mi	2004	1 (1)	-	-
Estuary Birds that may extend to freshwater habitats							
<i>Charadrius leschenaultii</i>	Greater sand plover	V	Mi	1993	-	-	1
<i>Charadrius mongolus</i>	Lesser sand plover	V	Mi	1999	1	-	2
<i>Sterna albifrons</i>	Little tern	E1	Mi	1983-2000	7	-	-
<i>Xenus cinereus</i>	Terek sandpiper	V	Mi	1982	1	-	-
Frogs							
<i>Crinia tinnula</i>	Wallum froglet	V	-	1997-2005	24 (1)	-	10
<i>Litoria aurea</i>	Green and golden bell frog	E1	V	1974-2001	4	-	-
<i>Litoria brevipalmata</i>	Green-thighed frog	V	-	1998-2003	16 (6)	9 (6)	-
<i>Mixophyes iteratus</i>	Giant barred frog	E1	E	2000-2006	2 (1)	1	-
Reptiles							
<i>Hoplocephalus bitorquatus</i>	Pale-headed snake	V	-	1932	-	-	2
<i>Hoplocephalus stephensii</i>	Stephen's banded snake	V	-	-	-	-	1
Non-flying Terrestrial Mammals							
<i>Aepyprymnus rufescens</i>	Rufous bettong	V	-	1999	1	-	-
<i>Dasyurus maculatus</i>	Spotted-tailed quoll	V	E	1991-2003	6 (1)	-	5 (2)
<i>Dasyurus viverrinus</i>	Eastern quoll	E1	-	1899	-	-	1

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<i>Petaurus australis</i>	Yellow-bellied glider	V	-	1993-2003	12 (4)	4	1 (1)
<i>Petaurus norfolcensis</i>	Squirrel glider	V	-	1986-2007	9	-	-
<i>Phascogale tapoatafa</i>	Brush-tailed phascogale	V	-	1991-2006	11 (2)	6 (5)	16
<i>Phascolarctos cinereus</i>	Koala	V	-	1949-2005	441 (138)	15 (11)	1
<i>Planigale maculata</i>	Common planigale	V	-	1982-2004	3	1 (1)	-
<i>Pseudomys gracilicaudatus</i>	Eastern chestnut mouse	V	-	1900-2004	10	-	2
Flying Terrestrial Mammals							
<i>Chalinolobus nigrogriseus</i>	Hoary wattled bat	V	-	2001	1	-	-
<i>Falsistrellus tasmaniensis</i>	Eastern false pipistrelle	V	-	2003	1	-	-
<i>Kerivoula papuensis</i>	Golden-tipped bat	V	-	1997-2001	3 (2)	2	-
<i>Miniopterus australis</i>	Little bent-wing bat	V	-	1993-2006	32 (14)	3	10
<i>Miniopterus schreibersii oceanensis</i>	Eastern bent-wing bat	V	-	1999-2006	5 (1)	1 (1)	21
<i>Mormopterus norfolkensis</i>	East-coast freetail-bat	V	-	2000-2005	8	-	-
<i>Myotis macropus</i>	Southern myotis	V	-	1999-2006	9 (4)	-	2
<i>Pteropus alecto</i>	Black flying-fox	V	-	2002-2003	2	-	-
<i>Pteropus poliocephalus</i>	Grey-headed flying-fox	V	V	1986-2005	66 (10)	16 (10)	3
<i>Scoteanax rueppellii</i>	Greater broad-nosed bat	V	-	1998-2004	8	1 (1)	-
<i>Syconycteris australis</i>	Common blossom-bat	V	-	2000	1	-	3
Invertebrates							
<i>Petalura gigantea</i>	Giant dragonfly	E1	-	2006	1	-	-

Table C2 Threatened flora records – combined database search results

Scientific name	Common name	Status (TSC)	Status (EPBC)	ROTAP risk code	Earliest/ latest record	Number of DECC records within 10km (2km)	Number of RBG records within 10km (2km)	Number of NCRBG records within 10km (2km)
Threatened species listed by legislation								
<i>Acacia courtii</i>		V		2V				
<i>Acronychia littoralis</i>	Scented acronychia	E1	E	3ECi	1996 - 2006	4	-	-
<i>Allocasuarina defungens</i>	Dwarf heath casuarina	E1	E	2E	1997-1998	15	13	-
<i>Arthraxon hispidus</i>	Hairy-joint grass	V	V	3VC-+	2001	-	1(1)	-
<i>Asperula asthenes</i>		V		3VC-				
<i>Callistemon linearifolius</i>		V		2RCi				
<i>Chamaesyce psammogeton</i>	Sand spurge	E1	-	-	1987	1	-	-
<i>Chiliglottis anaticeps</i>		E		2KC-				
<i>Cryptostylis hunteriana</i>	Leafless Tongue-orchid	V	V	3VC-		-		
<i>Cynanchum elegans</i>	White-flowered wax plant	E1	E	3ECi	-	-	-	1
<i>Hakea archaeoides</i>	Big Nellie hakea	V	V	-	-	-	-	1
<i>Hydrocharis dubia</i>	Frogbit	-	V	2V		-		
<i>Marsdenia longiloba</i>	Slender Marsdenia	E	V	3RC-		-		
<i>Maundia triglochinosides</i>	-	V	-	-	1999	1	1	-
<i>Melaleuca biconvexa</i>	Biconvex paperbark	V	V	-	2002 - 2005	10 (3)	-	-
<i>Melaleuca groveana</i>	Grove's paperbark	V	-	3RC-	-	-	-	2

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<i>Parsonsia dorrigoensis</i>	Milky silkpod	V	E	2VCi	1997	1	-	-
<i>Phaius australis</i>		E	-					
<i>Phaius tankervilleae</i>	Lady Tankerville's swamp-orchid	E1	E	3VC-+	1991	2	-	-
<i>Philotheca myoporoides</i>	Long-leaf Wax Flower	E		2E				
<i>Quassia</i> sp. 'Moonee Creek'	Moonee Quassia	E	E	-		-		
<i>Thesium australe</i>	Austral Toadflax	V	V	3VCi+		-		
Non-threatened Rare species (not listed by legislation)								
<i>Acacia barringtonensis</i>	Barrington Wattle			3RCa				
<i>Acacia blakei</i> subsp. <i>diphylla</i> *	-		-	-	-	-	-	2
<i>Acacia tessellata</i>	-		-	2RC-	-	-	-	1
<i>Acomis acoma</i>				3RC-				
<i>Arthrochilus prolixus</i>				2K				
<i>Asplenium aethiopicum</i>	Shredded Spleenwort			3RC-				
<i>Bertya brownii</i>	-		-	2RC-	-	-	-	1
<i>Blandfordia grandiflora</i>	Christmas Bells							
<i>Boronia chartacea</i>	-		-	3R	-	-	-	2
<i>Callerya australis</i> *	Blunt wisteria		-	-	-	-	-	1
<i>Callistemon flavovirens</i>	green bottlebrush		-	3RC-	1993	1 (1)	-	-
<i>Chiliglottis sphyrnoides</i>				3KC-				

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<i>Claoxylon australe</i> *	Brittlewood	-	-	-	-	-	-	1
<i>Corybas undulatus</i>	Tailed Helmet Orchid			3KC-				
<i>Cryptandra lanosiflora</i>	Woolly Cryptandra			3RCa				
<i>Cryptocarya nova-anglica</i>	Mountain Laurel			3RCa				
<i>Dodonaea megazyga</i>	-	-	-	C-	1893	1	-	-
<i>Eucalyptus fergusonii</i> subsp. <i>fergusonii</i>				3KCi				
<i>Eucalyptus fusiformis</i>	Grey Ironbark			2RC-				
<i>Eucalyptus scias</i> subsp. <i>apoda</i>	Large-fruited Red Mahogany			3K				
<i>Gahnia insignis</i>	-	-	-	3RCa	-	-		1
<i>Gahnia sieberiana</i>	Red-fruited Saw Sedge							
<i>Gonocarpus salsoloides</i>				3RCa				
<i>Goodenia fordiana</i>	-	-	-	2RC-	1993 - 2003	2	-	3
<i>Grevillea acanthifolia</i> subsp. <i>stenomera</i>				3RC-				
<i>Grevillea linsmithii</i>	-	-	-	3RCa	-	-	-	1
<i>Hibbertia villosa</i>				3KC-				
<i>Kunzea</i> sp. 'Middle Brother Mountain'	-	-	-	-	-	-	-	2
<i>Leionema elatius</i> subsp. <i>beckleri</i>	Tall Phebalium			2EC-				
<i>Leionema elatius</i> subsp. <i>elatius</i>	Tall Phebalium			3K				
<i>Marsdenia liase</i>	Large-flower Milk Vine			3RC-				

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<i>Ozothamnus whitei</i>				3RC-				
<i>Plectranthus cremnus</i>				3K				
<i>Restio tetraphyllus</i> (<i>Baloskion tetraphyllum</i>)	Tassel-rush							
<i>Sarcophilus aequalis</i>				3RC-				
<i>Schistotylus purpuratus</i>	Dwarf tangleroot orchid		-	3RCi	1959	1	-	-
<i>Sprengelia incarnata</i>	Pink Swamp Heath							
<i>Westringia glabra</i>				2RC-				
<i>Xanthorrhoea</i> spp.	Grass trees							